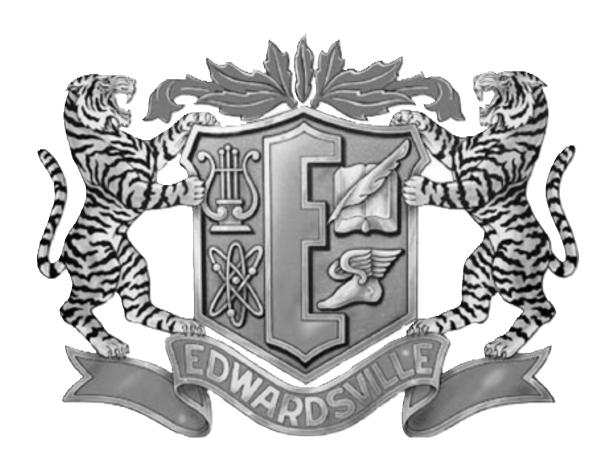
# Edwardsville High School



2024-2025 Course Handbook

# **Edwardsville High School**

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#### **Dear Students:**

Selecting your high school courses can be one of the most anticipated and demanding experiences you have prior to each school year. Selecting the right courses will involve much thought as you begin to determine your path towards your post-secondary education and/or your career plans. You should involve your parents in making these important decisions. Additionally, you also are encouraged to meet with your counselor to discuss required courses and electives available to you for the next school year.

If you have an idea what you want to do in life, the course selection process will be easier. Establish goals for the future. Once this is accomplished, you can select courses that best help you meet your goals. Your counselor is available with information that links your interest to specific educational and career opportunities.

This handbook contains descriptions of all courses offered at Edwardsville High School. It clarifies graduation requirements and provides information helpful in planning for your entrance to college or the work force. Please read all information carefully and allow it to guide your course selection decisions.

The high school builds its master schedule based on student class requests; the master schedule is then used to determine staffing needs for the school year. Schedules that require correction due to inaccurate information or a verified schedule conflict will be changed. Other schedule changes made after courses are selected in January will be reviewed and be approved or disapproved based on availability within the master schedule.

Keep in mind there are numerous people at Edwardsville High School to help you. If you run into a problem or simply need additional information, do not hesitate to contact your counselor. By planning early, you can find learning experiences meaningful to the remainder of your educational career.

### **General Course Selection Information**

#### **General Course Selection Information**

Edwardsville High School operates on a six-period day, with optional early bird courses available in certain subject areas. A student must take five (5) courses to be considered a full-time student. Many students take six courses, and some take seven, including early bird.

#### **Important Course Offering Information**

The course offering information will provide a detailed description of each course offered at Edwardsville High School. We do not expect any major changes in class offerings; however, classes may be cancelled if sufficient enrollment is not obtained prior to the opening of school.

#### N.O. Nelson Complex of Lewis & Clark Community College

The historic N.O. Nelson Complex is the site of a branch of Lewis & Clark Community College (LCCC). The complex has been renovated into a high-tech education center serving the residents of the Edwardsville-Glen Carbon area. The partnership between LCCC and District 7 provides increased educational opportunities for students by providing space for academic classes at both the high school and the N.O. Nelson Campus. The partnership between the LCCC and the school district offers unique opportunities for students.

# **Course Description Information**

**<u>DEPARTMENT COURSE LISTINGS</u>** The courses offered at EHS are listed by department. The departments are listed in alphabetical order within this book.

**COURSE TITLE** Courses titles reflect the core area of study within that course. Some course titles include special designations. The following explains the significance of these designations:

- **Honors Courses** are more rigorous, enriched, and are taught at an accelerated pace. All honors courses receive weighted grades.
- Advanced Placement (AP) Courses meet the requirements of the College Board Advanced Placement curriculum. These courses are designed to prepare students to take the advanced placement test for that course, an optional test given in May. Depending upon the student's score and the criteria of the specific university, students may earn college credit. All AP courses receive weighted grades.
- **Research** [R] Some courses within the English Department require a formal research paper. These courses are designated with [R] symbol.

**NCAA APPROVED** courses marked **NCAA** meet NCAA standards and count toward NCAA Core Course G.P.A.

**GRADE LEVEL** Courses are designed for specific grade levels. These are listed under the title of the course.

**PREREQUISITES** Any specific prerequisites for the course are listed under the course name. Students are required to have met (or be in the process of meeting) all prerequisites listed to enroll in the course.

**COURSE CREDIT** Edwardsville High School offers full-year, semester, and quarter-long courses. The credit available for each course is indicated in the titling of each course. Students who pass a full-year course receive one (1.0) credit towards graduation. Students who pass a semester course (indicated by an asterisk \*) receive one-half (0.5) credit towards graduation. Drivers Education and Wellness are the only quarter-long course and receive one-fourth (.25) credit toward graduation.

**COURSE DESCRIPTION** The course description indicates the major concepts within the course. Any opportunities for dual credit through Lewis and Clark Community College will be indicated within this description.

**GRADES & CREDITS EARNED** Grade and credits earned are issued at the end of each semester. Grade Point Average (G.P.A.) and class rank are calculated at the end of each semester. Grades received in all classes are weighted as follows:

Course	Α	В	С	D	F
Regular (Non-Weighted)	4	3	2	1	0
Honors / AP/ Cohort Classes (Weighted)	5	4	3	2	0

Grade point average (GPA) is calculated based on the grade earned in the courses taken.

# Class Change Procedure

Students are encouraged to spend quality time reviewing the course descriptions before deciding upon course selections. They should involve parents, teachers, and guidance counselors to ensure their course selections are appropriate to their needs and interests.

#### **Types of Schedule Changes:**

- <u>Substitutions</u>: Students may substitute courses during the first five full days of the new semester. All substitutions are dependent on class availability and alignment with the student's existing schedule.
- **Additions:** Students may add new courses during the first five full days of the new semester. All additions are dependent on class availability and alignment with the student's existing schedule.
- **Drops:** Students may drop courses for a study hall anytime during the first five weeks of the new semester. 9th, 10th, & 11th grade students may only have one (1) Study Hall per semester. If students elect to drop a course after the first five weeks of the semester, the student will receive a grade of "F" for the course.
- <u>Track Changes</u>: Student may change levels of the same course (Honors Regular) during the first quarter of each semester. Track changes require parent permission. Track changes are dependent on class availability and alignment with the student's existing schedule.
- <u>Teacher Changes</u>: If a student wishes to make a teacher change, at least one of the following criteria must be met:
  - 1. The student has taken and failed a course with the assigned teacher.
  - 2. The student has had a prior documented conflict with the assigned teacher.
  - 3. The student has been enrolled into the wrong course for the intended subject area.

Name of Change	Description	Deadline
Class Substitutions	Change current course to another	Fifth full day of the semester
Class Additions	Add a course	Fifth full day of the semester
Class Deletions	Remove a course from schedule in exchange for study hall	First five weeks of the semester
Track Changes	Move from one level to another level of the same course	First quarter of each semester

# **High School Graduation Requirements**

#### CREDITS REQUIRED FOR GRADUATION FROM EDWARDSVILLE HIGH SCHOOL

A minimum of 20 credits is required for graduation; 16 credits must be earned in the academic subjects and complete the minimum course requirements of the State of Illinois and of the Board of Education. All 9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> grade students must be enrolled for a minimum of five (5) credits (2.5 credits per semester). 12<sup>th</sup> grade students must be enrolled for a minimum of four (4) credits (2 credits per semester).

- Each semester course passed is worth 0.5 credit. Drivers Education and Quarter P.E. are worth 0.25 credit each.
- Students must pass a course that meets the consumer education requirements mandated by the State of Illinois. These requirements can be earned by passing either Consumer Education (semester course), Agricultural Business Management (full year course), or AP Macroeconomics (full year course).
- Students must take the SAT as mandated by the State of Illinois.
- Students must pass the Illinois and US Constitution tests (both taken in Civics).
- Students must complete the FAFSA or opt out form during 12th grade.
- Students must be enrolled for a minimum of one complete semester and have successfully met all graduation requirements before receiving a diploma.

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#### **Required Courses**

English
 4 credits, with a research element each year

Math
 3 credits

Science 2 credits

Social Science 2 credits

Civics

World Geography

o US History, Honors US History, or AP US History

• Electives 1 credit

o Music, Art, World Language, Business, or Applied Technology

Physical Education 1 credit

Wellness

Physical Education

Health 0.5 credit

Driver Education .25 credit

Consumer Education 0.5 credit

# Four-Year High School Plan

Year	Academic & Extracurricular	Testing	Explore
9 <sup>th</sup> Grade	<ul> <li>Take the most challenging level of courses you can; post- secondary institutions look at the level of the courses you take as well as the grades you earn</li> <li>Develop good study habits</li> <li>Establish grade point average (GPA)</li> <li>Get involved in extracurricular activities</li> <li>Volunteer within the community</li> <li>Keep track of your activities on resume'</li> </ul>	<ul> <li>Commit to doing well in coursework as it prepares you for the tests in future years.</li> <li>PSAT 9 (required for Illinois students)</li> </ul>	<ul> <li>Think about what you want to pursue as a career once you complete your education</li> <li>Think about your post-secondary plans</li> <li>Investigate the costs associated with post-secondary schooling</li> </ul>
10 <sup>th</sup> Grade	<ul> <li>Continue to take the most challenging courses you can</li> <li>Continue to get involved in extracurricular activities and volunteer opportunities</li> <li>Update your resume of activities and offices you hold</li> <li>Select courses for your junior year that ensure meeting graduation and post-secondary requirements</li> </ul>	Commit to doing well in coursework as it prepares you for the tests in other years     PSAT 10 (required for Illinois students)	<ul> <li>Think about your talents, inclinations, and personality</li> <li>Research requirements (course pre-requisites, entry requirements, personality traits, etc.) for careers you are considering</li> <li>Take an interest survey to assist with career choices</li> <li>Encourage your parents to attend the financial aid seminar</li> </ul>
11 <sup>th</sup> Grade	<ul> <li>Continue to take the most challenging courses you can</li> <li>Continue to get involved in extracurricular activities and volunteer opportunities</li> <li>Update your resume of activities and offices you hold</li> <li>Choose electives that support your possible career(s) and meet post-secondary requirements</li> <li>Double-check graduation and post-secondary requirements to be sure you are on track with both</li> <li>Become familiar with the questions asked on applications that require essays</li> </ul>	<ul> <li>PSAT/NMSQT offered in October at EHS (optional)</li> <li>SAT with Essay administered in March or April (required for Illinois students) - These are National Test dates for NCAA scholarships. See the ACT website www.act.org for specific dates and locations</li> <li>ASVAB (optional)</li> </ul>	secondary educational institutions that will meet your career objectives and financial
12 <sup>th</sup> Grade	<ul> <li>Continue to take the most challenging courses you can</li> <li>Choose electives that support your possible career(s) and meet graduation and post-secondary entry requirements</li> </ul>	Retake ACT/SAT in fall (optional)     Take Advanced Placement Tests in May (optional)     ASVAB (optional)	<ul> <li>Line up at least three letters of recommendation from people who know you well</li> <li>Apply early to the selected colleges and/or career training centerswatch deadlines</li> <li>Make sure your applications are complete</li> <li>Apply for scholarships and financial aid</li> </ul>

# Recommended Guide for Academic Preparation

#### REQUIREMENTS FOR COLLEGE ENTRANCE

The chart below compares the academic expectations of various post-high school opportunities available to graduates. It is intended only as a general guide. Colleges expect a student to program at least four core academic subjects each year. College preparatory subjects are: English, mathematics, science, social studies, and world language. Highly selective institutions require greater numbers of these core academic subjects. Counselors act as resource people but many specific questions are better directed to the college or university admissions staff. Final admissions decisions are always up to the colleges. Their decisions are usually based on the number of academic courses taken by the student, his/her/their grade point average (GPA) in these courses, and the student's scores on standardized admissions tests (SAT & ACT).

Academic Areas	District 7 Graduation Requirements*	Community College Career Programs, Vocational Schools	4-year Colleges and Universities	Highly Selective Colleges and Universities
ENGLISH	4 years	4 years	4 years: Emphasis on literature and written/ oral communication	4 years: Emphasis on literature and written/ oral communication
MATHEMATICS	3 years	3 years	3-4 years: Algebra, Geometry, Algebra 2, Trig/Pre-calculus	4 years recommended through Calculus
SCIENCE	2 years	2 years	3 years recommended: Core areas of Biology, Chemistry, and Physics	4 years recommended: Core areas of Biology, Chemistry, and Physics
SOCIAL STUDIES	2 years: Civics World Geography US History	2 years	3 years	3-4 years:
WORLD LANGUAGES	Included in Electives credit	None required	2 years**	2-4 years
VOCATIONAL EDUCATION or FINE ARTS	Included in Electives credit	None required	2 years** may include: Applied Tech, Art, Music, Business Education	1 year recommended

<sup>\*</sup> Additional District 7 requirements include: Health, Consumer Education, Driver Education, Physical Education, Wellness, and 5.5 additional academic credits

ATHLETES: Courses with the NCAA symbol are NCAA-approved courses.

<sup>\*\*</sup> World Language preparation may be recommended or required by colleges or universities. State-supported universities in Illinois *may* accept vocational education or fine arts courses in lieu of foreign language.

### **Summer School**

To facilitate a student's course of study for the next school year, we are including the following information regarding summer school. Descriptions of the courses being offered for summer school are included with the appropriate departments.

#### **DATES**

Monday, June 10, 2024: First day for all 6-week and Session #1 3-week courses

Wednesday, June 19, 2024: No School - Juneteenth Holiday

Friday, June 29, 2024: Last day for Session #1 3-week courses

Monday, July 1, 2024 – Friday, July 5, 2024: No School – District 7 closed for July 4th Holiday.

Monday, July 8, 2024: First day of Session #2 3-week courses

Friday, July 26, 2024: Last day of 6-week courses and Session #2 3-week courses

#### REGISTRATION INFORMATION

Summer School registration will open in February. Registration is based on a first-come, first-served. Students currently receiving free or reduced lunch cost will

A complete listing of summer courses will be available in the Guidance Office and on the high school website <a href="https://www.ecusd7.org/ehs">www.ecusd7.org/ehs</a> in January. The following courses may be offered:

- Civics
- World Geography
- Physical Education
- Classroom Driver Education
- Wellness
- Health
- Research & Analysis of Sports in Literature
- US History (first semester and second semester)
- Medieval World History
- Consumer Education

# **Student Support Resources**

**TUTORING** in English and math are available after school (2:00-3:00 p.m.) and math tutoring from certified teachers. Students are encouraged to attend as often as needed during the school year and should get specific days for tutoring from their teacher. All levels of students attend tutoring sessions — from honor students to students with learning disabilities.

**EARLY GRADUATION PROCEDURE** Seniors who have met all of the requirements for graduation are permitted to leave at the end of the first semester if they have the written permission of their parent or guardian. An Early Graduation application must be completed by the student and signed by the parent or guardian. The application must be turned in to the student's guidance counselor no later than two weeks prior to the end of the first semester. It is important to note that students who elect to take this option do not receive their diploma until the graduation ceremony in June. Students who choose not to participate in the ceremony may obtain their diploma after the date of the ceremony.

**CREDIT RECOVERY PROGRAM – Only those students who are deficient in credits and are at risk of not graduating on-time may elect to earn credit through correspondence courses.** Only elective classes may be taken, and no more than two (2) credits may be earned through this method. Students wishing to exercise this option must have the prior approval of their counselor or administrator.

**TRANSFER STUDENTS** In order for a transfer student to receive weighted grading on course work taken at their previous school, Edwardsville High School must also offer these same weighted honors/accelerated courses.

# College & Career Planning

The purpose of this course catalog is to enable students and parents to make wise program choices. Students are encouraged to consult with their counselors and/or teachers at course selection time if the printed course descriptions do not contain enough information.

Students should carefully select their courses, bearing in mind graduation requirements and personal educational goals. Courses listed in this catalog are offered based on student interest. If a course does not meet minimum enrollment requirements, the course will not be offered, and students will meet with their counselor to select another course.

College and career planning begins early and involves matching interests, skills, and abilities with types of jobs available. Students wanting assistance with the college and career planning process are encouraged to visit with their counselor and/or visit the EHS Guidance website at <a href="https://www.ecusd7.org/ehs/Guidance">www.ecusd7.org/ehs/Guidance</a>.

EHS offers a variety of courses to provide students with experiences that prepare them for post-secondary education, whether it is a four-year university, two-year college, technical training, or other opportunities. Students desiring entry-level jobs upon graduation or interested in a specific field of study in college may be advised to follow a specific sequence of courses in a particular field. Students should work with their counselor in establishing the appropriate four-year course plan.

#### ILLINOIS BOARD OF HIGHER EDUCATION REQUIREMENTS

The Illinois Board of Higher Education (IBHE) has established the following admission requirements, which apply to most state universities in Illinois. These course requirements are used in combination with college test scores and class rank to determine admissions eligibility. *Please be aware that individual schools may have higher entrance requirements. College admission requirements change periodically; parents and students should check individual institutions for exact requirements.* 

The recommendations are at least:

- Four years of *English*
- Mathematics (Algebra I, Geometry, and Algebra II)
- Social Science (Courses such as Civics, World History, and U.S. History)
- Science (Biology, Chemistry, and Physics)
- World Language/Fine Arts (Varies from one college to another)

#### HIGHLY SELECTIVE INSTITUTIONS (for example: University of Illinois, Northwestern University, Washington University, etc.)

- Highly selective colleges and universities often state that there are no prescriptive or minimum requirements for admission because virtually all applicants share exemplary grade point averages, test scores, course preparation and extracurricular resumes. As most of these institutions have an admission rate of only 5-10% of their applicants, colleges look for qualities and experiences that set students apart from those with similar credentials. Students should conduct in-depth research on the schools in which they are interested to determine if their talent and skills are a good match.
- Without question, students should take the <u>most</u> rigorous courses offered at Edwardsville High School, demonstrate a high
  level of performance, and earn outstanding ACT and/or SAT scores, but students who possess true intellectual passion, a love
  for learning that exists without a grade attached, set themselves apart from those with similar academic credentials.
- A student's extracurricular record must clearly demonstrate an eagerness and confidence in taking initiative, making the most of opportunities, and recognition for their accomplishments both inside and outside of the school setting.
- Those students who can show they have made an impact at their high schools and intend to have a real impact not just at their college, but in the world again set themselves apart from others.
- Supplementary parts of the college application, including recommendations from those teachers who know a student and their work well, must be solidly supportive of the total picture.

#### MINIMUM COURSE RECOMMENDATIONS:

- Four years of English
- Four years of Math
- Four years of Social Science
- Four years of Science
- Four years of the same World Language (requirements vary by institution)



### **DIVISION I ACADEMIC REQUIREMENTS**

College-bound student-athletes enrolling at an NCAA Division I school need to meet the following academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.



#### **FULL QUALIFIER**

- . Complete 16 core courses.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or natural/physical science.
- . Earn a core-course GPA of at least 2.300.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
- · Graduate high school.

#### ACADEMIC REDSHIRT

- Complete 16 core courses.
- . Earn a core-course GPA of at least 2.000.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
- · Graduate high school.

#### **Full Qualifier**

College-bound student-athletes may practice, compete and receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

#### Academic Redshirt

College-bound student-athletes may receive an athletics scholarship during their first year of full-time enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

#### Nonqualifier

College-bound student-athletes will not be able to practice, compete or receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

#### International Students

Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

Click here for Division II academic requirements.





### DIVISION II ACADEMIC REQUIREMENTS

College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.



#### **FULL QUALIFIER**

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division II full qualifier sliding scale (see back page).
- · Graduate high school.

#### PARTIAL QUALIFIER

- . Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division II partial qualifier sliding scale (see back page).

Graduate high school.

#### **Full Qualifier**

College-bound student-athletes may practice, compete and receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division II school.

#### Partial Qualifier

College-bound student-athletes may receive an athletics scholarship during their first year of enrollment and may practice during their first year of full-time enrollment at a Division II school, but may NOT compete.

#### Nongualifie

College-bound student-athletes will not be able to practice, compete or receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division II school.

#### International Students

Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

Click here for Division I academic requirements.



#### NCAA Initial-Eligibility Memorandum of Understanding

\*Please go to: www.eligibilitycenter.org to register with the NCAA

#### I UNDERSTAND THE FOLLOWING:

- 1. NCAA DI/DII Initial-Eligibility academic requirements are different than the graduation requirements for Edwardsville High School.
- 2. The minimum NCAA academic requirements have become much more rigorous in recent years. The minimum NCAA core course GPA, core course credit requirements, and SAT/ACT scores have all increased.
- 3. Not all courses offered at Edwardsville High School are accepted by the NCAA as core courses for the purpose of meeting the NCAA's credit and GPA requirements.
- 4. An NCAA core course GPA is not the same as the cumulative GPA on the report card, and is most often lower.
- 5. Students interested in playing athletics at the collegiate level should begin tracking their NCAA core course GPA their 9th graders year. All semesters count towards meeting the NCAA's academic requirements.
- 6. Meeting only the minimum NCAA Initial-Eligibility requirements does not guarantee a student-athlete admission into their college of choice. Many colleges set standards higher than the NCAA minimum.
- 7. Tracking NCAA DI/DII Initial-Eligibility requirements is the responsibility of parents and student-athletes.
- 8. Edwardsville High School provides all student-athletes with access to a free account with Honest Game to assist them in tracking their NCAA Initial-Eligibility progress.

9	A DI/DII Initial-Eligibility requirements is the that Edwardsville High School has provided n Honest Game to assist in this process.	
Student Signature	Print Name	Date

# **College Credit Opportunities**

#### ADVANCED PLACEMENT OPPORTUNITIES

EHS offers Advanced Placement (AP) courses in several departments. AP courses meet the requirements of the College Board Advanced Placement curriculum. These courses are designed to prepare students to take the advanced placement test for that course, which is an optional test given in May. Since the test is optional, students are responsible for registering for the test and paying any fees associated with the test. Depending upon the student's score and the criteria of the specific university, students may earn college credit. For further detailed information regarding AP, visit its website at <a href="http://collegeboard.org">http://collegeboard.org</a>

The AP courses currently offered at EHS are:

Business & Applied Tech AP Macroeconomics

AP Microeconomics

**English** AP English – Literature & Composition

AP English - Language & Composition

**Fine & Performing Arts** AP Studio Art: Drawing

Math AP Calculus AB

AP Calculus BC AP Statistics

AP Computer Science - A

AP Computer Science - Principles

**Science** AP Biology

AP Physics C AP Chemistry

AP Environmental Science

Social Science AP Human Geography

**AP US History** 

#### **DUAL CREDIT**

In coordination with Lewis & Clark Community College (LCCC) and Southern Illinois University – Edwardsville (SIUE), Edwardsville High School offers over 20 dual credit courses. A course identified as dual credit has met the necessary criteria to provide the student with both high school graduation credit and college credit. Dual credit courses are taught by high school teachers during the normal high school day.

Dual credit is not automatically given to students who are enrolled in a dual credit high school course. For some courses, an appropriate placement test must be passed to receive credit. If a student decides that they no longer want the dual credit option after officially enrolling in that option, the student must drop the dual credit portion by the published date required by LCCC. The student still receives high school credit. When dual credit is earned, the grade obtained in that course will be on the college/university transcript.

Some of the advantages to participating in dual credit courses include acquainting students with college level material and encouraging students to attend college after graduation. Students begin generating a college transcript without having to pay for the college courses. Dual credit saves students and parents both time and money. It is the student's responsibility to contact LCCC and have their transcript sent to their prospective college.

Dual credit courses through LCCC & SIUE are either transfer credit or career credit:

- Transfer Credit—Transfer credit courses are articulated for transfer to most colleges and universities. Students are responsible for sending their dual credit transcripts from LCCC & SIUE.
- Career Credit—Career credit courses are technical and applied courses that are designed to meet the requirements for an occupational degree or certificate program.

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# **College Credit Opportunities through LCCC**

Edwardsville H.S. Course Name	Lewis & Clark Course Number & Title	Credit Hours	Career Credit	Required College Placement Score
AP Macroeconomics	ECON 151 Principles of Macroeconomics	3	Transfer	Reading = 250 GPA = 2.7+
AP Microeconomics	ECON 152 Microeconomics	3	Transfer	Reading = 250 GPA = 2.7+
Interrelated Co-Op	CDEV 130 Career Development	3	Transfer	No Test Needed
Advanced Software Applications	CIS 135 Computer Literacy	3	Transfer	Reading = 250 GPA = 2.7+
Networking Technology	ITEC 132 Intro to Computer Networking	3	Career	Reading = 227 GPA = 2.3+
	ITEC 148 Network Technology	3	Career	
PC Repair & Maintenance	ITEC 154 PC Servicing and A+ Preparation	4	Career	Reading = 227 GPA = 2.3+
PC Operating Systems	ITEC 142 Operating System Technologies for A+	3	Career	Reading = 227 GPA = 2.3+
Future Teacher Program I	EDUC 231 American Education	3	Transfer	Reading = 250 GPA = 2.7+
Medical Occupations 1	BIOL 120 Medical Terminology	3	Career	Reading = 250 GPA = 2.7+
College Composition	ENGL 131 First Year English I	3	Transfer	Reading = 250 Sent Skills = 250
Honors British Literature	ENGL 132 First Year English II	3		GPA – 2.7+
AP Chemistry	CHEM 121 General Chemistry – Recitation CHEM 141 General Chemistry	1 5	Transfer	Reading = 250 GPA = 2.7+
Honors Chemistry 2	CHEM 131 Introduction to Chemistry 1	4	Transfer	Reading = 250 GPA = 2.7+

# **College Credit Opportunities through LCCC**

Edwardsville H.S. Course Name	Lewis & Clark Course Number & Title	Credit Hours	Transfer or Career	Required College Placement Score
AP Calculus AB	MATH 171 Calculus & Analytic Geometry I	5	Transfer	Reading = 250 GPA = 2.7+
AP Calculus BC	MATH 171 Calculus & Analytic Geometry I MATH 172 Calculus &	5	Transfer	Reading = 250 Math = 271+
	Analytic Geometry II	5	Transfer	Reading = 250
AP Statistics	MATH 235 Statistics	4	Transfer	Reading = 250 Math = 271+
Honors French 3	FREN 131 Elementary French I	4	Transfer	Reading = 250 GPA = 2.7+
Honors French 4	FREN 231 Intermediate French I	4	Transfer	Reading = 250 GPA = 2.7+
	FREN 232 Intermediate French	4	Transfer	Reading = 250 GPA = 2.7+
Honors German 3	GERM 131 Elementary German I	4	Transfer	Reading = 250 GPA = 2.7+
	GERM 132 Elementary German II	4	Transfer	Reading = 250 GPA = 2.7+
Honors German 4	GERM 231 Intermediate German I	4	Transfer	Reading = 250 GPA = 2.7+
	GERM 232 Intermediate German II	4	Transfer	Reading = 250 GPA = 2.7+
Honors Spanish 3	SPAN 131 Elementary Spanish I	4	Transfer	Reading = 250 GPA = 2.7+
	SPAN 132 Elementary Spanish II	4	Transfer	Reading = 250 GPA = 2.7+
Honors Spanish 4	SPAN 231 Intermediate French I	4	Transfer	Reading = 250 GPA = 2.7+
	SPAN 232 Intermediate French II	4	Transfer	Reading = 250 GPA = 2.7+

# **College Credit Opportunities through SIUE**

Edwardsville H.S. Course Name	Southern Illinois University - Edwardsville Course Number & Title		Transfer or Career	Required College Placement Score
Honors Accounting 2	ACCT 200 Fundamentals of Financial Accounting	3	Transfer	

# **Business & Applied Technology Departments**

### Craig Colbert, Department Chair

Grade	9-12	10-12	11-12	12
Health & Human Services Related Courses	Health & Medical Careers Foods & Nutrition* Child Development	Medical Occupations 1 Culinary Arts Early Childhood Occupations 1 (ECHO 1)	Medical Occupations 2 Early Childhood Occupations 2 (ECHO 2) Future Teachers Program 1 (FTP 1)	Interrelated Co-Op Future Teachers Program 2 (FTP 2)
Technology Related Health & Human Courses Courses	Keyboarding & Document Formatting* Web Page Design* Computer Concepts & Software Applications* Digital Citizenship	Multimedia Presentations* Networking Tech Support Internship 1 Tech Support Internship 2	PC Repair & Maintenance* PC Operating Systems* Advanced Software Applications*	Interrelated Co-Op
Agricultural Related Courses	Intro to Agricultural Horticultural Science	Basic Ag. Mechanics Horticultural Production Management	Landscape & Turf Management	Agricultural Business Management (fulfills Consumer Education requirement)
Business & Economics	Business & Economics	Accounting 1	Honors International Business* Honors Business Management* Principles of Law* Honors Accounting 2 AP Microeconomics	AP Microeconomics* AP Macroeconomics Interrelated Co-Op Consumer Education* (required for graduation)

<sup>\*</sup> Semester Courses

#### **Business & Economics Related Courses**

#### 11001 Business & Economics

Grade: 9, 10, 11, 12

Credit: 1.0

This course is designed to offer basic business knowledge of our economics system, types of businesses, budgeting, concepts of marketing, banking, credit, investing, government, and labor's relationship to the world of business. This material serves as the introductory course for the student who plans to continue business study at the high school and college levels. It also provides practical knowledge for the student who chooses other areas of academic studies. Regional Course Codes for Business & Economics: B105 & B106

#### 12001 Accounting 1

Grade: 10, 11, 12 Credit: 1.0

This course offers students the fundamentals necessary for keeping a set of books including determining profits and losses and preparing financial statements for sole proprietorship, a partnership, and a corporation. This course follows the basic accounting concepts that are accepted by the accounting profession. Students will be exposed to many business terms, payroll procedures, tax reports, depreciation, notes and interest, and banking operations that will be most helpful in everyday life as well as in career development. They will also be introduced to computerized accounting. Students should have a good concept of basic math functions and good reasoning ability. A small calculator will be needed. Regional Course Codes for Accounting 1: B301 & B302

#### 13331 Honors Accounting 2

Prerequisite: Accounting 1

Grade: 11, 12 Credit: 1.0

This is an advanced course, which applies the basic accounting concepts to the different types of business organizations with emphasis on merchandising and manufacturing businesses. It provides detailed involvement in partnership and corporation accounting and exposes the student to notes payable and receivable, bonds, accruals, depreciation, bad debts, and payroll and tax accounting. Computerized accounting will be implemented throughout this course. Management accounting and cost accounting are investigated. A calculator will be required. Dual credit through SIUE may be an option for those who qualify. Regional Course Codes for Accounting 2: B303 & B304

#### 13203 Principles of Law

Prerequisite: None Grade: 11, 12 Credit: 0.5

This course is designed to familiarize students with basic rules of law and the legal vocabulary for court systems, crimes and torts, law and society, rights and du-ties of a citizen, contracts, and employment rights. The case study method is used in analyzing true-to-life court cases and deciding how the people involved should be treated. Newspapers and the internet are used for current events to reinforce rules of law and conduct.

#### **13033 Honors International Business**

Prerequisite: Business & Economics suggested but not required

Grade: 11, 12 Credit: 0.5

This course provides students with a foundation for studying international business and the many aspects of conducting business in a global economy. Every unit focuses on a different geographic region and includes a variety of international business activities, including economic, social, and cultural considerations in doing business overseas. Issues include minimizing risks in financial transactions and development of a global stock portfolio. Activities include graph and map analysis, Internet research, writing global business plans, and legal case analyses.

#### 13133 Honors Business Management

Prerequisite: Business & Economics suggested but not required

Grade: 11, 12 Credit: 0.5

This course is designed for students who are interested in pursuing careers in business management or becoming entrepreneurs. Students explore management styles and specific areas of management, including technology, production, marketing, and human resources. Students study the inter-connectedness of the market economy, political forces, and global trade issues affecting business management and entrepreneurial decision-making. Regional Course Code for Honors Business Management is B350.

#### 13332 AP Microeconomics NCAA

See Course Description within the Social Science Department on Page 73

#### 13331 AP Macroeconomics

See Course Description within the Social Science Department on Page 74

#### 14003 Consumer Education & 14063 Early Bird Consumer Education

Grade: 12 Credit 0.5

This course is required for graduation and provides practical, usable knowledge from which the students can benefit as they move into the rigors and demands of independent adult living. Students will examine and research major buying decisions such as auto, housing, furniture, etc. Consumer Education provides training in insurance buying, credit buying, banking activities, investments, budgeting, and decision-making.

#### 14301 Interrelated Cooperative Education — Sales & Service

Prerequisites: Keyboarding & Document Formatting

Grade: 11, 12 Credit: 2.0

Interrelated Co-op is a capstone course designed for students interested in pursuing careers in occupations relating to Business. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Students are paid at least minimum wage and are required to work at least 15 hours per week. Classroom instruction focuses on providing students with job survival skills, career exploration skills related to the job, and improving student abilities to interact positively with others. For skills relating to the job, task lists of the desired occupations will be utilized. A qualified vocational coordinator is responsible for supervision. Written training agreements and individual student training plans will be developed and agreed upon by the employer, student, and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws, and regulations. Dual credit through LCCC may be an option for those who qualify. Regional course codes for Interrelated Cooperative Education: X401 & X402

#### **Trade & Agriculture-Related Courses**

#### 11901 Introduction to Agricultural/Horticultural Science

Grade: 9, 10, 11, 12

Credit: 1.0

This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national, and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Regional Course Codes for Introduction to Agriculture/Horticultural Science: A101 & A102

#### 12701 Basic Agricultural Mechanics

Prerequisite: Introduction to Industrial Technology or Introduction to Agricultural/Horticultural Science

Grade: 10, 11, 12 Credit: 1.0

This course concentrates on the mechanics and service components of the agricultural and automotive industries. Major units of study include maintaining and repairing small gasoline engines, surveying of agricultural structures, and electrical wiring for agricultural & automotive structures. With each unit of study, business principles would be identified: inventory of supplies, ordering equipment by computer, customer relations, and estimating costs for repairs and work to be done. Additional topics of study include using service manuals in repairing equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural & automotive equipment, and assembling and adjusting agricultural & automotive equipment. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Regional Course Codes for Mechanics: A316 & A318.

#### 15001 Horticultural Production & Management

Prerequisite: Introduction to Agricultural/Horticultural Science

Grade: 10, 11, 12 Credit: 1.0

This advanced course offers instruction in both the floriculture and landscape areas of horticulture. Units of study include plant identification, greenhouse management, culture of greenhouse crops, care and handling of cut flowers, and floral design. Also included are landscape design, installation, and maintenance; horticulture mechanics; nursery management; and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Regional Course Code: A308 & A312

#### 15101 Agricultural Business Management

Prerequisite: Introduction to Industrial Technology or Introduction to Agricultural/Horticultural Science

Grade: 11, 12 Credit: 1.0

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Earning credit for this course satisfies the Consumer Education graduation requirement. Instructional units include business ownership types, starting an agribusiness, managing, and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, sales and marketing, economic principles, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, and career exploration.

#### 15501 Landscaping and Turf Management

Grades: 11, 12 Credit: 1.0

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

#### **Technology-Related Courses**

#### 11103 Keyboarding & Document Formatting

Grade: 9, 10, 11, 12

Credit: 0.5

Students will develop basic skills in keyboarding techniques on the computer. Emphasis is also placed on proofreading, correcting errors, and some introductory formatting of document preparation.

#### 11203 Web Page Design

Prerequisite: Keyboarding & Document Formatting or Computer Concepts & Software Applications

Grade: 9, 10, 11, 12

Credit: 0.5

In this course students learn to design, create, publish, and maintain web pages using Dream Weaver software. Topics include design concepts, content organization and formatting, website navigation, graphics and hyperlinks. Regional Course Code for Web Page Design: B358

#### 11303 Computer Concepts & Software Applications

Prerequisite: Keyboarding & Document Formatting

Grade: 9, 10, 11, 12

Credit: 0.5

This is an introductory course in computer literacy and the use of an integrated software package. Topics include using a Windows environment, purchasing a computer system, installing software, using the Internet, and other computer concepts. Software applications will include introductions to word processing, spreadsheets, and presentation packages. Microsoft Windows and Office 365 are the software packages used.

#### **11633 Honors Software Applications**

Prerequisite: Keyboarding and/or Computer Concepts & Software Applications recommended

Grade: 11, 12 Credit: 0.5

This course advanced students' knowledge of essential computer hardware components and their specifications and guides them in the use of operating systems and file management as they learn word processing, spreadsheet, database management, and presentation software. The Internet will be used as a valuable resource throughout this course, including the use of search engines and cloud storage. Dual credit through LCCC may be an option for those who qualify.

#### 13703 Multimedia Presentations

Prerequisite: Web Page Design

Grade: 10, 11, 12 Credit: 0.5

This course is an introductory project-based course in creating digital content, with emphasis on developing creative works to use for marketing, advertising, and sales. Students will study basic principles of design and develop projects using Adobe Photoshop, Illustrator, and Premiere Pro to bring creative ideas to life. Students will get hands-on experience with a variety of image printing devices and audio-visual hardware in the creation of their unique live and curated digital content.

#### 13501 PC Repair & Maintenance

Prerequisite: Computer Concepts or Networking Technology is required for students wanting to receive dual credit and earn both the Certificate of Completion in PC Servicing and Computer System Technology.

Grade: 11, 12 Credit: 0.5

This course is designed to provide students with an in- depth study of the various areas that are related to servicing computers and peripheral devices. It incorporates both hands-on activities and technical reading. Safety precautions and fundamental diagnostic trouble- shooting procedures are emphasized. When paired with PC Operating Systems, the student may have the training necessary to take the A+ Operating System Technologies certification test. In most cases, additional preparation is required. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

#### 13502 PC Operating Systems

Prerequisite: Computer Concepts or Networking Technology is required for students wanting to receive dual credit and earn both the Certificate of Completion in PC Servicing and Computer System Technology

Grade: 11, 12 Credit: 0.5

This class is targeted for students who want a high-level knowledge and skill in installing and maintaining the Windows operating systems, including install and con- figuration. It incorporates both hands-on activities and technical reading. When paired with PC Repair and Maintenance, this course is designed to meet the requirements for students to take the A+ Operating System Technologies certification test. Dual credit through Lewis & Clark Community College may be an option for those who qualify and take PC Repair & Maintenance. Regional Course Code for PC Operating Systems: B356

#### 15802 Networking Technology

Prerequisite: 2.0 GPA Grade: 10, 11, 12 Credit: 0.5

This course is designed to train students to design, build, and maintain computer networks. It incorporates both hands-on activities and technical reading. Students learn about the OSI model and industry standards, network topologies, IP addressing, router theory, and router technologies. Both LAN and WAN environments are studied in Semester 2 network design. Application labs involve structured cabling and the configuring of routers and switches. The curriculum is developed by Comp Tia. Dual credit through Lewis & Clark Community College may be an option for those who qualify and have taken Digital Citizenship. Regional Course Code for Networking Technology: N314 & N315.

#### 15203 Digital Citizenship

Prerequisite: None Grade: 9, 10, 11, 12

Credit: 0.5

This course is designed to give students an opportunity to explore the areas of technology and associated careers available in technical fields. Students will be given an understanding of the effects of technology on our everyday lives. Emphasizing digital literacy, this course explains not only the basics of technology, but also how students will use it and the responsibilities of being a digital citizen.

#### 15603 Technology Support Internship 1

Grade: 10, 11, 12 Credit: 0.5

The Technology Support Internship (TSI) 1 prepares students to provide first-line technical support to students, support staff, and teachers. Using problem-based learning strategies, students are trained to listen, observe, and assess general end-user issues. All students will go through Dell's training so that they can become Dell Certified and work on live devices in the building. Students will have the opportunity to learn how to troubleshoot hardware, software, and network problems, as well as process service tickets and inventory stock.

#### 15703 Technology Support Internship 2

Grade: 10, 11, 12 Credit: 0.5

The Technology Support Internship (TSI 2) takes more of an independent study approach to learning technology and practicing customer service. Students will gain valuable experience providing first-line technical support to students, support staff, and teachers while completing internship rotations at the EHS Help Desk. In this role students will work to repair hardware issues on devices, troubleshoot software, help maintain classroom technology and more. This course may be repeated with instructor approval.

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#### **Health & Human Services Courses**

#### 11401 Health & Medical Careers

Grade: 9, 10, 11, 12

Credit: 1.0

This course provides core knowledge related to occupations in the health and medical field. Observations of occupational related activities and the sharing of related experiences from professionals are an integral part of this course. Content includes the history of health and medical events, career research, patient & employee wellness, body systems and human anatomy, disease and infection control, patient & employee safety standards, holistic health & life stages, and medical terminology. Regional Course Code for Health & Medical Careers: J102 & J103.

Guest speakers from BJC/Washington University School of Medicine, Anderson Hospital, and area health care facilities play a key role in this orientation course.

#### 12101 Medical Occupations 1

Prerequisite: B or better in Health & Medical Careers

Grade: 10, 11, 12

Credit: 1.0

This course is designed for students interested in pursuing careers in medical occupations. The purpose of this course is to continue to assist students in choosing an allied health career by providing more opportunities for activities related to job-shadowing. Activities are also included to help students develop study skills and job-related skills. Students who been accepted into the program will participate in a job shadowing rotation program with various health care agencies. This curriculum is taught in the form of a regular class with some independent group work by participants. Students should be 16 years of age, with their own transportation to participate in the shadowing semester. The shadowing semester may be scheduled in the spring or fall semester during 6th hour. (Every effort will be made to schedule the shadowing component of the class according to sports and extra-curricular activities – some students must shadow first semester). Dual credit through Lewis & Clark Community College may be an option for those who qualify. Regional Course Code for Medical Occupations 1 – J315 & J316.

Guest speakers from BJC/Washington University School of Medicine and area health care facilities are involved in this course. Students participate in a rotating job-shadowing program (which includes departments at Anderson Hospital and area health care sites) and spend one day shadowing at BJC. These students are encouraged to volunteer and can volunteer at BJC and other health care facilities.

#### 13901 Medical Occupations 2

Prerequisite: B or better in Medical Occupations 1

Grade: 11, 12 Credit: 1.0

This two-semester course allows students to participate in an internship and/or extended period of job shadowing. Students engage in independent study focusing on areas of interest of the individual student. CPR/First Aid training will be provided to the students. Activities are also included to help students review body systems and medical terminology, develop job portfolios, improve study skills and job-related skills. Regional Course Code for Medical Occupations 2: J317 & J318.

Guest speakers from BJC/Washington University School of Medicine and area health care facilities are involved in this class. These students are encouraged to set up networking opportunities, gain career references, and continue volunteering.

#### **Family & Consumer Science Courses**

#### 11503 Food & Nutrition

Grade: 9, 10, 11, 12

Credit: 0.5

This class is designed to provide opportunities for students with little or no prior food preparation experience to learn about nutritional needs and how food is pre- pared. Both classroom and laboratory experiences provide students with the basic food preparation skills for a healthy lifestyle. Information related to careers in food and nutrition is incorporated throughout the course. Regional Course Code for Foods & Nutrition: H104.

#### 12201 Culinary Arts

Prerequisite: Food & Nutrition

Grade: 10, 11, 12 Credit: 1.0

This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service, job-related competencies. The students receive laboratory experiences using food service equipment, food preparation, and serving. Students receive the necessary experiences and information to prepare them for the Department of Public Health sanitation examination. Students learn to appreciate the impact of cultures around the world in food preparation and prepare authentic foreign cuisine.

#### 11601 Child Development

Grade: 9, 10, 11, 12

Credit: 1.0

This course is a necessary foundation for any student interested in early childhood, elementary, middle, secondary education, or social work. The focus of this course is on the physical, emotional/social, and intellectual development from conception through adulthood. Various theorists and the implications of these theories have on children are examined. Students have limited experiences observing and interacting with children. Optional "real-life" experience is offered when students use the infant simulators. Information related to careers in childcare is incorporated throughout the course.

#### 12301 Early Childhood Occupations 1 (ECHO 1)

Prerequisite: Child Development

Grade: 10, 11, 12 Credit: 1.0

This course provides an overview of early childhood care and education, including the basic values, structure, organization, and programming in early childhood. Students explore their own relationship to the early childhood field and are required to observe in a variety of settings. Students develop skills in program development and in assisting with children's and adult activities. Learning experiences involve actual work with children. Emphasis is placed on career opportunities, communication skills, human relations, and the service needs of clients in the occupational area. State and local regulations governing care centers are introduced.

#### 14601 Early Childhood Occupations 2 (ECHO 2)

Prerequisite: ECHO 1

Grade: 11, 12 Credit: 1.0

This course is a preparatory course for students who may be interested in teaching at any level, social work, or other service-oriented occupations. This course is designed to provide students with the main learning experiences that involve actual work with children. Students can participate in field trips to various early childhood centers. Emphasis is placed on career opportunities, communication, and human relations skills, and service needs of clients in the occupational area. State and local regulations governing childcare centers are introduced. ECE Level 1 credentials may be an option for those who qualify. Regional Course Code for Early Childhood Occupations 2: H341& H342

#### **Education Courses**

Future Teachers Program – The Future Teachers Program (FTP) is a three-year pathway designed to give EHS students the opportunity to learn about and experience various aspects of education as a profession.

#### 11601 Child Development

Grade: 9, 10, 11, 12

Credit: 1.0

This course is a necessary foundation for any student interested in early childhood, elementary, middle, secondary education, or social work. The focus of this course is on the physical, emotional/social, and intellectual development from conception through adulthood. Various theorists and the implications of these theories have on children are examined. Students have limited experiences observing and interacting with children. Optional "real-life" experience is offered when students use the infant simulators. Information related to careers in childcare is incorporated throughout the course.

#### 13801 Future Teachers Program 1

Prerequisite: Child Development preferred but not required

Grade: 11, 12 Credit: 1.0

The first-year course teaches students foundational educational skills and strategies. Students will learn how to create a classroom to promote and encourage learning. Additionally, students will learn to create positive interpersonal connections, the basics of classroom management, and strategies for effective communication and collaboration with students, staff, and community. This course will have multiple field experience observations.

#### 14901 Future Teachers Program 2

Prerequisite: Future Teachers Program 1

Grade: 11, 12 Credit: 1.0

The second-year course will utilize placement opportunities in multiple District 7 classrooms to complement classroom instruction. Students will learn methods and strategies for effective instruction. This course will focus on identifying and teaching using differentiation and increasing their cultural awareness. Additionally, students will learn about various aspects and impacts of special education. Dual credit may be available through LCCC for those who qualify.

#### **Application Based Programs**

These programs are available through partnerships with outside organizations and District 7. Interested students will be selected for enrollment through an application process with the outside organization.

#### 00501 CEO (Creating Entrepreneurial Opportunities through the Midland Institute)

Grade: 12

Credit: 2 credits (Business Elective credit)

Creating Entrepreneurial Opportunities (CEO) is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with Edwardsville schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course.

#### **00701 Fire Science Academy**

Grade: 12

Credit: 3 credits (Applied Technology Elective credit)

The Fire Science Academy is a partnership with Lewis & Clark Community College and other Madison County high schools to offer seniors the opportunity to complete the initial steps in becoming a firefighter and/or EMT. Students will be engaged in classroom, online and guided practice activities for the essentials of fire, rescue, First Responder and hazardous materials scene operations. Operational activities will include hazardous materials, vehicle extrication, fire behavior, building construction, fire code enforcement, public education activities, use of personal protective equipment, coordinated fire suppression activities, aerial/ground ladder use, search, rescue, and fire service vehicle operator. This is a physically involved program that includes the development of leadership and communication skills through scenario-based evolutions to prepare students for volunteer and/or employment opportunities with local fire departments. Accepted applicants will follow the complete Basic Operations Firefighter curriculum which will include the cognitive and psychomotor components to Basic Operations Firefighter, Hazardous Materials Operations, Fire Service Vehicle Operator, Basic First Aid, AHA CPR and AED, and NIMS 100 and 700. The only exception is that students will not engage in live interior structural firefighting activities due to age and liability aspects. As students progress through graduated skill evolutions, drills are added with increasing complexity to challenge and evaluate firefighter capabilities. Drills simulate real life emergency scene situations. Accepted applicants will be required to become affiliated with a local fire department of their choosing as either a volunteer or explorer. Students successfully completing the program will be awarded a Firefighter – Basic, Certificate of Completion and 15.5 college credits.

\*\*\*This class is only offered at the LCCC Godfrey campus. Accepted students will be dismissed from EHS after 3rd period.\*\*\*

#### 00401 Introduction to Industrial Technology LCCC

Grade: 10, 11, 12 Credit: 2.0

This course is the foundation for all applied technology classes and is highly recommended for any student interested in exploring technical studies or careers in the trade areas. This course exposes students to the Illinois Plan for Industrial Education by teaching the following technology topics: Drafting & Communications, Metalworking & Manufacturing Production, Mechanics & Transportation, and Construction. Utilizing a modern computer and module technology lab, students will learn topics related to aerodynamics, electronics, laser communications, 3D modeling, engine repair, computer animation and graphic design, mechanical systems, wiring, plumbing, and many additional topics. Regional Course Code for Introduction to Industrial Technology: C101 & C102

\*\*\*This class is only offered at the LCCC N.O. Nelson campus\*\*\*

#### 00901 Welding 1 LCCC

Grade: 11 & 12

Credit: 3 credits (Applied Technology Elective credit)

This course is a planned learning experience providing the student with the opportunity to develop welding skills and gain knowledge in metal joining known as fusion. Students receive training for the safe use of oxyacetylene welding and arc welding processes that include SMAW, "stick welding" GMAW, "MIG welding" and GTAW, "TIGwelding". Welding skills are developed by practice on butt joints, lap joints, and T-joints in the flat and horizontal welding positions. Cutting skills will be developed by practicing metal cutting with a plasma arc, oxyacetylene torch, and automated equipment such as a PlasmaCam. Students are introduced to Blueprint reading and layout to enhance their potential for success in this very interesting and rewarding field of work/learning. This is a dual credit course through LCCC.

#### 00991 Welding 2 LCCC

Grade: 12

Credit: 3 credits (Applied Technology Elective credit)

This course will build upon the fundamentals learned in Vocational Welding Technology I and will introduce the student to more advanced techniques, principles, applications, and procedures. By extensive hands-on experience, students will acquire the ability to make welds in all positions on various weld joints and develop an appreciation of craftsmanship. The aim of this course will be to prepare the student to meet all requirements to begin college at an advanced level and much closer to meeting the demands of modern industry. Welding processes include SMAW, GMAW, FCAW, GTAW, and with a focus on the fabrication to AWS D1.1 welding code. Additional training will include. non-destructive and destructive testing of welds, safe operation of the Iron Worker, (shearing, punching, notching, forming of metal, blueprint reading, programming, and operation of the Plasma Cam for automated cutting. This is a dual credit course through LCCC.

\*\*\*These courses are only offered at the Weber Workforce Center on the Lewis & Clark Godfrey campus\*\*\*

#### Collinsville Area Vocational Center

Enrollment for the Collinsville Area Vocational Center course is open to junior and senior students. Students must provide their own transportation to school as they will be required to ride District 7 bus transportation to and from the CAVC and will arrive back to EHS after the buses have departed. EHS students will be attending the 11:30am – 2:00pm CAVC session. Students would be enrolled in EHS courses during 1st, 2nd, 3rd hours, and eat A-lunch prior to departing for the CAVC. Students may only take one CAVC course per year and are encouraged to complete each course track over two years.

#### 16001 Auto Body 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

Instruction will emphasize safety principles and practices including hazardous materials, auto body nomenclature, the function of individual components, the use of parts manuals activities related to writing and calculating damage estimates, the identification of replacement parts including the use of auto body fillers, the use of plastic/glass fillers and special repair tools, refinishing problems and paint preparation procedures. This course provides learning experiences designed to allow students to gain knowledge and skills in repairing automotive bodies and fenders. Planned learning activities in this course are balanced to allow students to become knowledgeable in the fundamental aspects of auto body repair methods and techniques, and to develop practical skills in the basic operations required to prepare the automobile for final paint application. Instruction emphasizes safety principles and practices, hazardous materials, auto body nomenclature, the function of individual components, the use of parts manuals, the identification of replacement parts, the use of auto body fillers, the use of plastic/glass fillers, and special body repair tools, refinishing problems, and paint preparation procedures. Practical activities relate to experiences in writing and calculating damage estimates, removing and installing body panels, trim, and glass; straightening by using hammers, bucks, and jacks; and smoothing by filing, grinding, and using fillers. Students also learn to prime the area to be painted and prepare the surface for final paint application. These experiences and skills are related to metal, fiberglass, or urethane components. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

#### 17001 Auto Body 2 CAVC

Prerequisite: Auto Body 1

Grade: 12 Credit: 3.0

This training level course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to automotive body repair. Employability skills, interpersonal relationships, organization and operation of a business, and advanced educational opportunities will be covered in this course. The emphasis in this training level course is placed on the identification and correction of imperfections and finish buffing of the final coat. Student practical activities related to experiences in estimating collision damage costs, preparing customer bills, removing, and replacing glass surfaces, selecting paints, repainting minor and major damages, repainting total car body, post-paint cleanup, and post-paint polishing. This course provides learning experiences designed to further enhance the students' skills in performing more advanced tasks related to the automotive body and fender repair. Learning activities in this course emphasize the successful application of the final paint coat and the preparation that precedes it. Emphasis is also placed upon the 286 identification and correction of imperfections and finish buffing of the final coat. Student learning activities include instruction in safety principles and practices, hazardous materials, types and qualities of paints, colors, and refinishing problems; glass standards and installation, special alignment techniques, customer relations, damage estimating, and insurance adjustments. Students will learn employability skills interpersonal relationships and operation and ownership of a business. This is a dual credit course that provides students the opportunity to receive college credit for successful completion of this course.

#### 16101 Automotive Mechanical Technology 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

Do you like to work with your hands? Do you want to learn how everything works? Do you like lots of tools? If so, this is the class for you. This class will cover the introduction to the automotive industry. First, the class will cover introductory levels beginning with shop safety practices and automotive tool use. The students will learn all the maintenance aspects of modern vehicles. The cars we work on are school cars, student cars, and student friend's cars. Brakes, suspension, steering, and alignment will be the first systems covered. Next, the students are required to disassemble an engine completely. Students will inspect the engine, measure with precision tools and machines as needed. When the engine is assembled the fuel and ignition systems will be installed and the engine is test run on a stand. The students will learn all procedures involving an engine rebuild. They will be able to apply their skills to diagnose engine problems. This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust, and emission control, steering and suspension, fuel systems, cooling system, braking, and powertrain.

#### 17101 Automotive Mechanical Technology 2 CAVC

Prerequisite: Automotive Mechanical Technology 1

Grade: 12 Credit: 3.0

The goal of this class is to bring all prior learned knowledge together turning it into diagnostic skills. This is a technical class that covers all components of a vehicle. Electrical systems will be covered, including advanced fuel, ignition, and computer systems. Many faults are installed in school cars and the students will diagnose these problems. Students will use modern testing equipment to diagnose problems. Next, the class covers transmissions, four-wheel drive, and differentials. The students will spend much of their time in a lab disassembling and reassembling manual and automatic transmissions. Students will work on a wide variety of problems and spend a lot of time working on live problems brought into the shop. Students will also learn the business part of the automotive industry including billing and customer service. This course is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drivetrain, and overall automobile performance.

#### 16201 Building Trades 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

This course is designed to provide the student with many learning experiences that will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to house construction with special emphasis placed on craftsmanship. Projects include all phases of house construction. The students are given the opportunity to receive thorough training on all the various hand and power tools used in the trade. Instruction includes safety principles and practices; recognition of standard lumber sizes; foundation layout methods; house framing; insulating methods and materials; drywall applications and finishing; observe and demonstrate the installation of plumbing fixtures/systems; observe and discuss the installation of electrical fixtures. This course provides experience related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finishing work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, national codes, cost estimating, and blueprint reading. The first year is spent in the building trade shop learning the basics of home construction. All learning experiences are designed to allow the students to acquire job entry skills and knowledge. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

#### 17201 Building Trades 2 CAVC

Prerequisite: Building Trades 1

Grade: 12 Credit: 3.0

This course is a continuation of Building Trades I and will build on the skills learned during Building Trades I, designed to provide the student with many learning experiences that will allow students to become knowledgeable of fundamental principles and methods and to develop technical skills related to house construction with special emphasis placed on craftsmanship. Projects include all phases of house construction. This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Student technical skill experiences include instruction and activities in safety principles and practices, performing maintenance control functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge. All learning experiences are designed to allow the students to acquire job entry skills and knowledge. This is a dual credit course that provides students the opportunity to receive college credit for successful completion of this course.

#### 16301 Criminal Justice 1 CAVC NCAA

Prerequisite: None Grade: 11, 12 Credit: 3.0

This course is designed to prepare students to enter the fields of law enforcement and the criminal justice system. Instruction includes the history of law enforcement and the legal system, report writing and recordkeeping, criminal investigation techniques, and routine police procedures. Students learn how to use communications and dispatch equipment, perform proper search and seizure techniques, conduct basic criminal investigations, and execute correct pursuit and arrest procedures. Instruction also includes patrolling techniques, private security operations, traffic investigations, and community relations. Students will have an opportunity to study the criminal justice system and its three major components-policing, courts, and corrections. This course includes history and philosophy, as well as current trends in the administration of justice in a democratic society. Students will be introduced to patrolling techniques, communication skills used in the field, i.e. communicating with the public, radio communications, reporting, and records. The students will have an opportunity to observe police demonstrations and listen to guest speakers. Employability skills include reading, writing, understanding law-related material and math for law enforcement personnel; police safety; developing pride and trust, teamwork, responsibility, and dependability.

#### 17301 Criminal Justice 2 CAVC

Prerequisite: Criminal Justice 1

Grade: 12 Credit: 3.0

This course provides experiences for students in basic investigative techniques for crimes against people and property. Learning activities emphasize the development of more advanced knowledge and skill than those provided in Law Enforcement I. Units of instruction include how to conduct a preliminary investigation and protect a crime scene, collect, and preserve physical evidence including dusting latent prints, casting, fingerprint classification, and the use of portable crime laboratory equipment. Students learn how to conduct interviews, complete police reports, use police equipment, and testify in court. Instruction also includes traffic control, personal security, and law enforcement administration. This course is designed to prepare students to work in the field of law enforcement or any related criminal justice area. Students will conduct a critical review of recent research on police management, deployment of personnel, and services. This study includes questioning procedures, legal rights, and routine police procedures. Police integrity and ethics, as well as "hard choice" issues concerning police discretion, morality, and legality in police methods, are stressed. Students will be provided the opportunity to participate in an internship for the purpose of career exploration in the criminal justice system. Students will study search and custody procedures as well as have police demonstrations, tours, and local shadowing. This course will also include employability skills such as reading, writing, and understanding law-related materials, math for law enforcement personnel, police safety concerns, developing pride and trust, teamwork, responsibility, and dependability, using appropriate terminology, using equipment correctly, and complying with state and federal regulations. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

#### 16901 Cyber Security 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

This cybersecurity course will introduce students to the concepts of cybersecurity. This course will provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. This course will also cover the legal environment and ethical computing behavior related to cybersecurity.

#### 17901 Cyber Security 2 CAVC

Prerequisite: Cyber Security 1

Grade: 12 Credit: 3.0

This cybersecurity course will build upon students' knowledge of the concepts of cybersecurity. This course will provide students with the knowledge and skills to assess cyber risks to computers, networks, and software programs. Students will learn how to create solutions to mitigate cybersecurity risks. This course will also cover the legal environment and ethical computing behavior related to cybersecurity. Students will prepare and study the concepts necessary to test for a Security + certification.

#### 16401 Electronics 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

The purpose of this course is to provide the students with a broad background in the theory of electronics and its applications within the electronics field. Emphasis is placed upon 1) applying theory to practical laboratory learning experience and safety principles and practices 2) constructing experimental circuits. Activities include experience in troubleshooting and repairing selected components found in circuit boards. 3) Informing students about the variety of specialty areas, categories of work relevant to the field and equipment requirements, and opportunities that lead to successful employment. 4) Provide the opportunity for students to become skilled in using the common test equipment and tools used to construct, install, measure and repair electrical wiring and cabling, and electrical/electronic systems and equipment. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. A strong math background is essential for the successful completion of this course. This course introduces students to the skills needed to service, repair, and replace a wide range of equipment associated with automated or instrument-controlled manufacturing processes. Planned learning activities in this course allow students to become more knowledgeable in the fundamental principles and theories of electrical/electronic and hydraulic/pneumatic equipment as applied to instrumentation devices and digitally encoded radio equipment. Instruction also includes safety principles and practices, semiconductors, and transistor theory, 244 electrical parameters and circuits, electronic component function and identification, and the use and care of related hand tools, power tools, and test equipment.

#### **17401 Electronics 2 CAVC**

Prerequisite: Electronics 1

Grade: 12 Credit: 3.0

The purpose of this course is to provide thorough, up-to-date coverage of digital fundamentals-from basic concepts to microprocessors with emphasis on the application using real devices and on troubleshooting. The concepts and design of computer circuitry (using Karnaugh maps) including binary number systems and Boolean Algebra will be explored as will the study of adders, counters, shift registers, and logic gate families with the design A/D and D/A converters. This gives the student the problem-solving experience they'll need to compete in the professional arena. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course. This course provides planned learning activities designed to allow students to gain knowledge and skills in testing, maintaining, and repairing electronic equipment and systems used in the manufacturing industry. Learning activities in this course emphasize the development of more advanced knowledge and skills than those provided in Industrial Electronics I. Skills introduced in this course include instruction in the interpretation of technical sketches, schematics, and circuit diagrams.

#### 16601 Precision Machining Technology 1 CAVC

Prerequisite: None Grade: 11, 12 Credit: 3.0

This course will place a strong emphasis on advanced layout, measurements, basic bench procedures, and basic machine operation. CNC programming and machining will be introduced with an emphasis on manual G and M code programming. Job opportunities and work-related skills needed in the machining field are taught throughout the course of this class. This course also includes a sequence of tasks planned to provide educational experiences that will enable students to develop advanced-level competencies needed for employment and/or continual education. This includes advanced processes on the lathe, milling machine, and surface grinder. This course will be offered under the dual credit agreement with SWIC offering students the opportunity to earn college credit.

#### 17601 Precision Machining Technology 2 CAVC

Prerequisite: Precision Machining Technology 1

Grade: 12 Credit: 3.0

This course is a continuation of Precision Machining I. Advanced layout, machining practices, measurements, metallurgy, and heat treatment of tool steels will be introduced. A strong emphasis on CNC advanced manual programming and machining will be taught. Master cam computer programming will also be introduced during this course as well. The art of tool making, supervisory functions, and advanced machine set-ups will be introduced during this class. Installation, maintenance, and repair of the shop equipment will be covered as well as a continual shop housekeeping and record process. This course is also a part of the dual credit agreement with SWIC offering college to high school students.

#### 16801 Food Services 1 CAVC

Prerequisite: Culinary Arts

Grade: 11, 12 Credit: 3.0

This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry-recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and workstations. Additional content may include event planning, customer service, and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment. This course is designed to provide students interested in a career in foodservice with the information and practical experiences needed for the development of food service-related competencies. The students receive laboratory experiences using commercial foodservice equipment, preparing all content may include event planning, customer service, and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment. This course is designed to provide students interested in a career in foodservice with the information and practical experiences needed for the development of food service-related competencies. The students receive laboratory experiences using commercial foodservice equipment, preparing food in quantity, and food safety. Emphasis is placed on catering to large and small functions and work experiences. Students will gain experience in all types of foodservice work by the actual operation of a quick-service restaurant in areas of fry cook, waitperson (server), cashier, and quantity food preparation. The history and overview of the restaurant world are discussed. The second semester continues the learning begun in the first-semester course. Students will continue to plan meals, prepare foods in quantity and operate a quickservice restaurant (in-house). Safety and sanitation are continuously emphasized as part of the operation of a food service facility. Additional information regarding career opportunities in the foodservice industry is included. Training experiences involve equipment and facilities which simulate those found in business and industry. Emphasis is placed on nutrition, catering to large and small functions, cooking foods from different ethnic groups (cuisines) such as Chinese, Italian, Mexican and American; and work experiences. This is a dual credit course, which provides students the opportunity to receive college credit for successful completion of this course.

#### 17801 Food Services 2 CAVC

Prerequisite: C or better in Food Services 1

Grade: 12 Credit: 3.0

This course provides advanced training in food service production and service. Information and experience are provided in management skills and personnel management. Second-year students are placed in positions of leadership and training and have extra responsibilities beyond those of the first-year students. In the second semester, students undertake the management responsibilities of kitchen supervisor, dining supervisor, storeroom supervisor, menu planner, buyer, and head chef. Continued operation of the quick service restaurant in the management roles provides students opportunities to "try on" these occupations. This course places special emphasis on students to develop operational management skills including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry. Students earn 3.0 credit hours through Southwestern Illinois College.

#### 18301 Urban Agriculture CAVC

Grade: 11 & 12 Credit: 3.0

This course will explore the principles and practices of urban agricultural production. Topics typically include urban crop production, harvesting, and management strategies. Other topics may include ethical, social, and environmental impacts of food and urban farming, and urban agriculture as a social movement. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

## 18101 Cosmetology 1 CAVC

Grade: 11 & 12 Credit: 4.0

Cosmetology 1 introduces students to the requirements to become licensed cosmetologists. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals, and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology, and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Cosmetology 2, while earning hours towards licensure. All hours, grades, and classes accumulated during the student's time in CAVC Cosmetology courses are accredited towards the completion of the 1,500 clock hours required by the Illinois Department of Financial and Professional Regulation. The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation, and meet all state and federal regulations. This class meets off-campus at Precision Point School of Cosmetology in Fairview Heights IL. Students must be able to provide their own transportation. Classes will meet beyond the school day (12:00 to 4:00) as well as one additional. Saturday per month. See CAVC Director for more information.

#### 19101 Cosmetology 2 CAVC

Prerequisite: C or better in Cosmetology I

Grade: 11, 12 Credit: 4.0

This course offers students continued instruction in both theory and practical application. All hours, grades, and classes accumulated during the student's time in CAVC Cosmetology courses are credited towards the completion of the 1,500 clock hours required by the Illinois Department of Financial and Professional Regulation. The Cosmetology 2 program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation, and meet all state and federal regulations. This class meets off-campus at Precision Point School of Cosmetology in Fairview Heights IL. Students must be able to provide their own transportation. Classes will meet beyond the school day (12:00 to 4:00) as well as one additional Saturday per month. See CAVC Director for more Information. ISCC: 07403V/19101A002

#### 18601 Dental Assistant CAVC

Grade: 11, 12

Credit: 1.5 per semester

An intensive study covering various aspects of dentistry including proficiency in dental assisting. This course is designed to give the student a hands-on look at the field of dentistry and what each profession entails. Hands-on experience will be obtained through dental office rotations, use and practice in the dental clinic on campus, research projects, children identification, oral hygiene instruction to elementary school children, associational involvement, visits with their legislator, and law and ethics. It will further allow the student the opportunity to become a Registered Dental Assistant in the state of Illinois and learn dental assisting skills for the workplace. ISCC: 07306V/14054A001

## **Cohort Programs**

#### **Lewis & Clark Cohort**

Students enrolling in the LCCC cohort will take two LCCC classes each semester as 11<sup>th</sup> & 12<sup>th</sup> graders. While there will be specific courses offered each year at the N.O. Nelson campus for EHS students, second year cohort students may take other courses available through LCCC. Students would be able to earn up to 24 college credit hours through this two-year cohort.

#### LLC11 Lewis & Clark Cohort Year 1

Grade: 11

Credit: 1.0 per semester

## First Year English 1 NCAA

This course focuses on practicing, through the writing process, skills in creating clear, concise, and carefully edited expository essays and summaries. Essential grammar, mechanics, and punctuation are stressed. The course also introduces / reviews MLA format, writing with sources, and critical thinking – the basis for analytical writing.

## First Year English 2 NCAA

Prerequisite: ENGL 131

This course offers continued practice in improving writing style and processes, utilizing analytical reading of primary and secondary sources. While practicing how to incorporate sources into compositions for an academic audience, students learn various research techniques and the consequences of plagiarism. Finally, students learn mechanics of academic style and research paper layout and format.

## General Psychology NCAA

This course introduces psychology as the scientific study of behavior and mental processes. Additionally, the course addresses the concepts and principles of psychology emphasizing the interaction of biological, sociocultural, and cognitive perspectives. Students explore the key figures, diverse theories, and research findings that have shaped the field of psychology.

# Public Speaking NCAA

This course covers theory and practice of platform and discussion techniques and development of speech standards through evaluating speeches.

#### LLC21 Lewis & Clark Cohort Year 2

Grade: 12

Credit: 1.0 per semester

#### **Non-Western Art**

This course provides a stylistic and historical survey of visual arts traditions in the world beyond the West. Students will be introduced to the arts of diverse cultures from around the globe (including Africa, China, Japan, India, Oceania, and native cultures of the Americas), and some ideals, beliefs, principles, and influences that have shaped their arts.

#### **Fundamentals of Logical Reasoning**

This course introduces the criteria of good reasoning, especially deductive argumentation and develops skills in logical analysis, logical demonstration, and the avoidance of common patterns of fallacy. The course covers basic symbolic logic, including categorical logic and truth functional logic, and analyzes in detail basic logical concepts such as argument, inference, validity, implication, categorical relations, deductive vs. inductive reasoning and informed fallacies.

#### **Comparative Religion**

This course examines the nature of religion in human experience by introducing the major Eastern and Western religions.

#### **Social Problems**

This course studies social problems including consideration of proposed lines of action in dealing with them. Problem areas include population, the affluent society, crime and justice, poverty, unemployment, health and mental disorders, automation, the aging ethnic and race relations, threats to the environment, the role of the United States in relationship to third world countries, was and the future of American society.

\*\*\*These courses are subject to change based on LCCC staffing and availability.

## Southern Illinois University - Edwardsville Cohort

Students enrolling in the SIUE cohort will take two classes at SIUE during one semester of their  $12^{th}$  grade year. These courses are intended for all levels of students interested in pursuing a college pathway in Engineering or Computer Science.

Computer Science Courses	Engineering Courses	
Intro to Computing	Intro to Computing	
Concepts of Computer Science	Engineering Problem Solving	

#### **CC1001 Introduction to Computing SIUE**

Programming course that assumes basic computer literacy. Introduces a high-level programming language and basic problem solving. We are using C++ in this course.

#### **CC1002 Concepts of Computer Science SIUE**

Broad view of computer science: hardware; operating systems; software design and development; algorithms; networks; and applications.

#### **CC1003 Engineering Problem Solving SIUE**

Fundamental steps of problem definition, formulation, and solution approaches universal in all engineering disciplines. Basic skills of reasoning and logic. Case studies and small projects.

\*\*\*These courses are subject to change based on SIUE staffing and availability.

# **English Department**

# **Heather Haskins, Department Chair**

All students are required to complete research [R] all four years. During the senior year, all students must select one [R] course, which includes the research paper.

	9th Grade	10th Grade	11th Grade	12th Grade
	Literature & Composition 1 [R] - required	Literature & Composition 2 [R] - required Journalism 1 [R]	American Literature [R] - required Journalism 1 [R]	English Literature [R] Explorations in Reading and Writing [R] Journalism 1 [R]
Yearlong Courses for		journation I [ivj		
	Honors Literature & Composition 1 [R] - meets required option	Honors Literature & Composition 2 [R] - meets required option	Honors American Literature [R] - meets required option	Honors English Literature [R] AP English [R}
Yearlong Honors Courses for English Credit			Advanced Journalistic Composition [R] - cannot be taken in lieu of American Literature	Advanced Journalistic Composition [R] - cannot be taken in lieu of American Literature
s Cours				Advanced Placement English: Literature & Comp [R]
g Honor				Advanced Placement English: Language & Composition [R]
Yearlon Credit				
dit			Critical Thinking in Science Fiction	Critical Thinking in Science Fiction
ı Cre			College Composition [R]	College Composition [R]
glisł			Contemporary Literature [R]	Contemporary Literature [R]
ives for Er				Research & Analysis of Sports in Literature/ Literary Non- Fiction [R}
emester Electives for English Credit			(These courses cannot be taken in lieu of American Literature)	
<u> </u>	Debate* Public Speaking*	Debate*	Debate* Public Speaking*	Debate* Public Speaking*
Sõ		Public Speaking*	ir udiic Speaking ·	г иолс эреакту <sup>-</sup>
English Electives				

## **English Year-Long Courses**

## 21301 Literature & Composition 1 [R] NCAA

Prerequisite: None

Grade: 9 Credit: 1.0

This course is required for ninth grade students. The main objective of the literature component is to introduce students to the literary genres, which include short stories and novels, nonfiction, poetry, and Shakespearean drama. The writing component emphasizes the development of the basic modes of composition, specifically expository, narrative, and argumentative. Students will study the process of writing as well as the grammar and conventions necessary for building an effective writing style. The focus also includes the development and application of listening and speaking skills. The second semester of this course requires an expository/argumentative research project.

## 21331 Honors Literature & Composition 1 [R] NCAA

Prerequisite: Teacher Recommendation

Grade: 9 Credit: 1.0

This course is designed for 9th grade students who excel in English. Although the literary genres and modes of writing parallel those of Literature & Composition 1, this course is fast-paced and demanding. Emphasis is placed on writing using appropriate grammar, mechanics, and spelling. The second semester requires an argumentative research paper.

## 22301 Literature & Composition 2 [R] NCAA

Prerequisite: Literature & Composition 1

Grade: 10 Credit: 1.0

This course is required for 10<sup>th</sup> grade students. Students will examine essential questions for self-exploration through works from diverse authors and multiple literary genres. Texts are organized in thematic units with paired writing experiences. Students will study the process of writing as well as the grammar and conventions necessary for developing an effective writing style. Writing experiences include expository, narrative, and argumentative pieces, both formal and informal.

# 22331 Honors Literature & Composition 2 [R] NCAA

Prerequisite: Honors Literature & Composition 1, Teacher Recommendation

Grade: 10 Credit: 1.0

This course is designed for 10th grade students who excel in English. The course is fast-paced and demanding. Students will examine essential questions for self-exploration through works from diverse authors and multiple literary genres. Texts are organized in thematic units with paired writing experiences. Students will study the process of writing as well as the grammar conventions necessary for developing an effective writing style. Emphasis is placed on writing using appropriate grammar, mechanics, and spelling necessary for developing an effective writing style. Writing experiences include expository, narrative, and argumentative pieces, both formal and informal.

# 23101 American Literature [R] NCAA

Prerequisite: Literature & Composition 2

Grade: 11 Credit: 1.0

This course is required for 11th grade students. The first semester surveys American literature from the colonial period through 1865; it includes selections from the anthology and one complete work of literature. Second semester, students continue to survey American literature from 1865 to the present, including selections from the anthology and one complete work of literature. Writing experiences are linked to the literature read and focus on the development of composition skills. The first semester requires a literature-based research paper.

## 23131 Honors American Literature [R] NCAA

Prerequisite: Honors Literature & Composition 2, Teacher Recommendation

Grade: 11 Credit: 1.0

This course is designed for talented English students in the 11th grade. The first semester surveys American literature from the colonial period through 1865; it includes selections from the anthology and a minimum of one complete work of literature. The second semester continues to survey American literature from 1865 through the present, including selections from the anthology and a minimum of one complete work of literature. Writing experiences are linked to the literature read and focus on literary analysis and the development of composition skills. The first semester requires a literature-based research paper.

#### 23201 British Literature [R]

Prerequisite: Literature & Composition 2

Grade: 11, 12 Credit: 1.0

This course is designed for 12th grade students. The first semester surveys the literature of Great Britain/Ireland from the Anglo-Saxon Period through the Renaissance Period; it includes selections from the anthology and two complete works of literature. Second semester continues to survey literature through selections from the anthology since the Renaissance (1660) and two complete works of literature. Writing experiences are linked to the literature read and focus on the development of composition skills. The first semester requires a literature-based research paper.

#### 23231 Honors British Literature [R]

Prerequisite: Honors Literature & Composition 2, Teacher Recommendation

Grade: 11. 12 Credit: 1.0

This course is designed for talented English students and may be taken for 3 hours dual credit through Lewis and Clark Community College if College Composition was completed as a prerequisite junior year. Semester A surveys the literature of Great Britain/Ireland from the Anglo-Saxon Period through the Renaissance Period; it includes selections from the anthology and three to six complete works of literature. Semester B continues to survey literature since the Renaissance (1660), including selections from the anthology and three to six complete works of literature. Writing experiences are linked to the literature read and focus on literary analysis and the development of composition skills. The first semester requires a 5-8page literature, based research paper (or an 8-10 page paper for those taking the course for dual credit). Dual credit through Lewis & Clark Community College may be an option for those who qualify.

## 24301 Explorations in Reading and Writing [R] NCAA

Prerequisite: Teacher Recommendation

Grade: 11.12 Credit: 1.0

This course is designed to prepare junior and senior students for post-secondary education and career readiness. Literary selections include a variety of genres including contemporary fiction, non-fiction, and graphic novels. Writing experiences include literary and expository analyses and argumentation. Focus on conventional, grammatical, and stylistic choices as well as MLA style are reinforced to improve the sophistication of writing skills developed in previous English courses. Short, sustained research is conducted throughout the year, including literary analysis and post-graduate pathways. An extended, formal research paper and presentation are required first semester.

## 23431 AP English: Literature and Composition [R] NCAA

Prerequisite: 3.0 GPA

Grade: 12 Credit: 1.0

This course is designed for talented English students who are considering taking the Advanced Placement tests. Major authors of classic literary canons across a variety of genres are studied in this college level class. AP English is a writing intensive, fastpaced course. The first semester requires a literature-based research paper.

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## 24431 AP English: Language and Composition [R] NCAA

Prerequisite: C or better in previous English course

Grade: 11, 12 Credit: 1.0

This course is designed for students who are considering taking the Advanced Placement test. This class focuses on examining rhetoric; the art of making and analyzing arguments. Students will analyze a variety of written, spoken, and visual texts throughout the course. AP Language is a writing and reading intensive course. Great emphasis is placed on students' abilities to make their own arguments in writing as well as analyzing other writers' arguments. This course requires a research assessment.

## **English Semester-Long Courses**

## 23503 Contemporary Literature [R] NCAA

Prerequisite: American Literature

Grade: 11, 12 Credit: .5

This course is taught through an understanding of modern fiction. Emphasis is placed on concepts and universal themes that consciously or unconsciously unite us. Looking through a contemporary lens, and using the novel as its focus, students explore issues of kindness, prejudice, identity, empathy, culture conformity, friendship, and family. This course introduces students to the deeper analysis of literature – the set of conventions and patterns, codes, and rules employed by readers of contemporary fiction. Students will be able to recognize the features of contemporary literature, as well as the social circumstances and cultural conditions in which contemporary literature is produced. This course requires a research paper.

#### 24703 Critical Thinking in Science Fiction NCAA



Prerequisite: American Literature

Grade: 11, 12 Credit: .5

This course is designed to introduce students to one of the most popular genres in literature. Students will come to understand the fundamental characteristics of science fiction and how the genre has evolved over time. Exploring science fiction both as a bellwether and as an allegory for our present circumstances, students are expected to analyze, interpret, and connect our present circumstances to many of the genre's most relevant themes: the limits and abuses of technology, the dehumanization of society, the thin line between man and machine, the nature of reality, and the loss of privacy. Several short stories, three full novels, and a variety of films comprise the material on which students' critical thinking will be assessed through various writing assignments.

## 23603 Research and Analysis of Sports in Literature/Literary Non-Fiction [R] NCAA

Prerequisite: American Literature

Grade: 11.12 Credit: .5

This course is composed of high interest fiction and non-fiction, including novels, biographies, memoirs, poetry, and short pieces of literature and literary non-fiction. Literary works contain an emphasis in sport and competition. Writing experiences are linked to classic issues and themes, including fame, character, prejudice, and societal influence, and focus on the development of composition. A research paper is required, and all written work is subject to class presentation.

# 24203 College Composition [R] NCAA

Prerequisite: Literature & Composition 2

Grade: 11, 12 Credit: .5

This course may be taken for 3 hours of dual credit through Lewis and Clark Community College. This course is a prerequisite for the 3-hour dual credit section(s) of Honors English Literature taken senior year. College Composition includes in-depth instruction in the process and strategies of narrative, expository, and argumentative composition. It also fosters the development of a personal writing style and voice. Grammar, mechanics, and punctuation are stressed, and college-level writing ability is expected. Reading experiences are linked to writing experiences. A research paper utilizing the MLA format is required.

## **Journalism Courses**

## 21101 Journalism 1 [R] NCAA

Prerequisite: B or better in Literature & Composition 1

Grade: 10, 11, 12 Credit: 1.0

This course is designed to provide students with a comprehensive picture of both high school and professional journalism. All aspects of journalistic composition are stressed, including the understanding of news, interviewing, reporting, news writing, editing, and media law ethics. Journalism students will ultimately contribute to the *Tiger Times*, the EHS online student newspaper and The Claw, the EHS news magazine. This course meets high school graduation requirements; however, it cannot be substituted for the following required courses: 9th graders Literature and Composition, Sophomore World Literature, or Junior American Literature. The second semester requires a research paper.

## 22231 Honors Journalistic Composition [R] NCAA

Prerequisite: Journalism 1 (or permission of the instructor)

Grade: 11, 12\* Credit: 1.0

This course is the second of two courses offered in journalism at EHS. The course includes an extended research component (ex- tended feature or argumentative piece) taught in the first semester. The goal of the course is to develop students' journalistic writing ability by exploring the skills acquired in Journalism 1 (news, feature, sports, opinion, and review writing as well as copy-editing and headline writing) in more depth. The pace and expectations of the course are demanding; students will regularly write pieces for the EHS online student newspaper, the *Tiger Times Online*, and for its quarterly print publication, *The Claw*. In addition, students will regularly read and pre- pare analyses of examples from professional publications. Students must also prepare a portfolio at the end of each semester. This course has been designated as and honors-level course.

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<sup>\*</sup> Students may earn an English credit the **first time** they take the course. For students wishing to repeat the course, elective credit can be earned.

<sup>\*</sup>As with Journalism 1, AJC does NOT replace required English courses (e.g., American Literature).

# **English Electives (Not for English Credit)**

#### **20001 Debate**

Grade: 9, 10, 11, 12

Credit: .5 (non-English credit)

This course develops the fundamentals of forensic speaking, including original oration, Lincoln-Douglas Debate, Policy Debate, and Congress. Emphasis is placed on public speaking pertaining to current issues and includes both prepared and impromptu speeches.

## 20002 Public Speaking

Grade: 9, 10, 11, 12

Credit: .5 (non-English credit)

This course is designed to give students opportunities to acquire and develop self- confidence and poise while learning more formal oral communication skills. Emphasis is placed on developing ideas and organizing information appropriate for specific group situations. Practical application of all concepts is an integral part of all aspects of this course.

# Fine & Performing Arts Departments

## Victoria Voumard, Department Chair

Grade	Music	Visual Arts	Drama
9 - 12	Band Percussion Concert Orchestra Symphonic Orchestra Concert Choir I Music Appreciation* Music Theory* Color Guard*	Art & Design* Printmaking* Fibers* Drawing* Ceramics* Sculpture* Painting* Art History 1* Art History 2*	Theatre Arts 1
10 - 12	Concert Choir II Chamber Singers	2-Dimensional Art* 3-Dimensional Art*	Theatre Arts 2*
11/12	Honors MPS – Band Honors MPS – Concert Orchestra Honors MPS – Symphonic Orchestra Honors MPS – Concert Choir II Honors MPS – Chamber Singers	AP Studio Art: Drawing	Honors Theatre Arts 3*
12	Honors Senior Seminar – Band Honors Senior Seminar – Orchestra Honors Senior Seminar – Choir		

<sup>\*</sup>Semester Courses

#### **General Music Courses**

### 71503 Music Appreciation

Grade: 9, 10, 11, 12

Credit: 0.5

This course explores the historical genres and periods of music from antiquity to present day compositions and styles. Various composers and significant pieces are studied within a cultural context.

#### 71603 Music Theory

Prerequisite: Participation in a performing arts ensemble

Grade: 9, 10, 11, 12

Credit: 0.5

This course is designed for music students to develop musical skills that will lead to a better understanding of music composition and music theory. The course will serve students seeking a career in music as well as those who desire it for enrichment. Students without a musical performance background should enroll in Music Appreciation (71503) or Concert Choir (71401)

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#### **Band Courses**

#### 71001 Band

Prerequisite: Enrolled in Band with access to instrument in good working condition

Grade: 9, 10, 11, 12

Credit: 1.0

Students enrolled in the band program are members of the Marching Band. Practices take place during the summer to prepare the band for the marching season. When school starts in August, all members of the marching band are required to attend two evening rehearsals each week during the marching season. In late October or early November, band members will audition for placement in one of two indoor bands (Symphonic Band and Concert Band). These bands will continue until the end of the school year. The performance requirements for band members will include: all home football games, three to six marching band contests, four or five parades, three to five concerts, and a symphonic band contest. Members of the band will attend one rotating sectional lesson each week during the school year. Students will need access to a SMART MUSIC account in order to play their sectional assignments. Students are required to play four to five sectional assignments per quarter. Optional additions to the program are: Honors Music Performance Seminar and Honors Senior Seminar, a weighted grade program for 11th and 12th graders. Members of the band are split into two basketball Pep Bands for some home basketball games. Other ensembles include: Jazz Band (selection by audition); Pit Orchestra for musicals (membership by director's selection); Percussion Ensemble (membership by director's selection or audition); Flute Choir (membership by selection); Saxophone Ensemble (membership by selection); Winter Guard (membership by audition); Solo and Ensemble Contest (limited to numbers of participants allowed by the IHSA); All- District Festival (membership by audition); All-State Festival (membership by state selection process); SIUE Bi-State Band Festival (membership by selection). Any 9th or 10th graders enrolled in marching band may request a waiver to be excused from a semester's worth of physical education.

#### 71301 Percussion

Prerequisite: Enrolled in Band with prior percussion experience within the Band program

Grade: 9, 10, 11, 12

Credit: 1.0

See 71000 Band course description for course requirements.

#### 75001 Color Guard

Prerequisite: Spring audition

Grade: 9, 10, 11, 12

Credit: 0.5

See 71001 Band course description for course requirements.

#### 73331 Honors MPS - Band

Prerequisite: Member of performance group and director's recommendation

Grade: 11, 12 Credit: 1.0

This course is designed for students who are enrolled in band to challenge and stretch their musical abilities. During the first quarter, students must audition for All-District and participate if selected. During the second quarter, students must complete an arrangement of a selected composition. During the third quarter, students must perform a solo at the IHSA Solo and Ensemble Contest. During the fourth quarter, students must compose an original piece of music. All solos must be contest quality. Students must also meet the various requirements of their major performance group of which they are members.

#### 73301 Honors Senior Seminar - Band

Prerequisite: Students enrolling in Senior Seminar classes must be outstanding seniors participating in band, choir, or orchestra. Prior experience in MPS classes is preferred.

Grade: 12 Credit: 1.0

This course offers an alternative to a second year of Honors MPS. This class will combine seniors from all areas of the performing arts (band, choir, and orchestra) to expand the students' basic knowledge of composition and theory. The students will complete similar assignments as the current MPS classes but with wider parameters. Students will meet once every two weeks on a rotational schedule that replaces sectionals.

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#### **Orchestra Courses**

#### 71201 Concert Orchestra

Prerequisite: Enrolled in Orchestra with access to instrument in good working condition

Grade: 9, 10, 11, 12

Credit: 1.0

Orchestra is a performing group open to all string players. Students enrolled in this class should have prior experience playing a stringed instrument. Beginners wishing to enroll must study privately outside of school in order to attain the level of performance necessary for this group. Major emphasis is placed upon string performance techniques and ensemble. Students attend one sectional per week in which attention is given to individual players. Seating auditions are given two to three times per year for placements within the organization. Opportunities and materials are available for participation in solo and small ensemble work, such as the IHSA Solo and Ensemble Contest and the IMEA All-District Festival. The highest ranked students selected for the All-District Festival may be selected to continue to the All-State Festival. The orchestra presents four to five concerts per year. Students must attend all dress rehearsals and concerts.

#### 71101 Symphonic Orchestra

Prerequisite: Written recommendation via an audition. Students must be enrolled in Orchestra with access to instrument in good working condition.

Grade: 9, 10, 11, 12

Credit: 1.0

The Symphonic Orchestra is a performing group open to students having prior experience and who excel at playing a stringed instrument. This class will focus on student performance and building repertoire more than technique. Students will attend one sectional per week in which attention is given to individual players. Seating auditions are given two to three times per year for placements within the organization. Opportunities and materials are available for participation in solo and small ensemble work, community activity, and playing in the school. Students are strongly encouraged to participate in these activities. Students must attend all dress rehearsals and concerts.

#### 73431 Honors MPS - Symphonic Orchestra 73531 Honors MPS- Concert Orchestra

Prerequisite: Member of performance group and director's recommendation

Grade: 11, 12 Credit: 1.0

These music performance seminars (MPS) are designed for students who are enrolled in band, orchestra, or choirs to challenge and stretch their musical abilities. During the first quarter, students must audition for All-District and participate if selected. During the second quarter, students must complete an arrangement of a selected composition. During the third quarter, students must perform a solo at the IHSA Solo and Ensemble Contest. During the fourth quarter, students must compose an original piece of music. All solos must be contest quality. Students must also meet the various requirements of their major performance group of which they are members.

#### 73401 Honors Senior Seminar- Orchestra

Prerequisite: Students enrolling in Senior Seminar classes must be outstanding seniors participating in band, choir, or orchestra. Prior experience in MPS classes is preferred.

Grade: 12 Credit: 1.0

This course offers an alternative to a second year of Honors MPS. This class will combine seniors from all areas of the performing arts (band, choir, and orchestra) to expand the students' basic knowledge of composition and theory. The students will complete similar assignments as the current MPS classes but with wider parameters. Students will meet once every two weeks on a rotational schedule that replaces sectionals.

## **Choir Courses**

#### 71401 Concert Choir 1

Prerequisite: None Grade: 9, 10, 11, 12

Credit: 1.0

Concert Choir I is open to all students who are interested in getting involved with the choir program. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. An emphasis is placed on learning how to read music and perform music. This course is designed to provide students with not only the technical and aesthetic qualities of being a member of a choir, but also a sense of responsibility and self-discipline. Students must attend all dress rehearsals and concerts. Sectionals are provided on a rotating basis.

#### 72001 Concert Choir 2

Prerequisite: Concert Choir 1

Grade: 10, 11, 12 Credit: 1.0

Concert Choir II is a mixed voice choir open to all sophomores, juniors, and seniors who have demonstrated their singing fundamentals through auditions. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. The music selected in this course is for more advanced choir students. Students must attend all dress rehearsals and concerts. Sectionals are provided on a rotating basis.

#### 72101 Chamber Singers

Prerequisite: Concert Choir 1

Grade: 10, 11, 12 Credit: 1.0

Chamber Singers is a mixed voice choir open to all sophomores, juniors, and seniors who have demonstrated through auditions their singing fundamentals. A variety of styles of music by many different composers and arrangers are presented for enjoyment and study. The music selected in this course is for more advanced choir students capable of singing in small ensemble settings. Students must attend all dress rehearsals and concerts.

## 73631 Honors MPS - Concert Choir 2 73731 Honors MPS - Chamber Singers

Prerequisite: Member of performance group and director's recommendation

Grade: 11, 12 Credit: 1.0

These music performance seminars (MPS) are designed for students who are enrolled in band, orchestra, or choirs to challenge and stretch their musical abilities. During the first quarter, students must audition for All-District and participate if selected. During the second quarter, students must complete an arrangement of a selected composition. During the third quarter, students must perform a solo at the IHSA Solo and Ensemble Contest. During the fourth quarter, students must compose an original piece of music. All solos must be contest quality. Students must also meet the various requirements of their major performance group of which they are members.

#### 73601 Honors Senior Seminar - Choir

Prerequisite: Students enrolling in Senior Seminar classes must be outstanding seniors participating in a band, choir, or orchestra. Prior experience in MPS classes is preferred.

Grade: 12 Credit: 1.0

This course offers an alternative to a second year of Honors MPS. This class will combine seniors from all areas of the performing arts (band, choir, and orchestra) to expand the students' basic knowledge of composition and theory. The students will complete similar assignments as the current MPS classes but with wider parameters. Students will meet once every two weeks on a rotational schedule that replaces sectionals.

#### **Theatre Arts Courses**

#### **71601 Acting**

Grade: 9, 10, 11, 12

Credit: 1.0

Theatre Arts I is a full-year survey course designed to introduce students to what it takes to "put on a show" while giving special attention to acting. Students learn the basics of play production through performing, writing, designing and participation. Theatre history is studied through reading dramatic literature, discussion, and research. The only requirement is a sincere interest in drama.

## 72201 Tech Theatre Construction & Design

Prerequisite: Acting 1 (Theatre Arts 1) or membership in the International Thespian Society

Grade: 10, 11, 12 Credit: 1.0

Many colleges offer a required course for Theatre majors and minors, much like this one, called Theatre Practicum. Theatre Arts II is a hands-on course designed to allow students to experience the technical side of theatrical production through active, daily participation guided by the teacher and technical director. Each student also completes one self-directed, theatre-related project. Students may take this course multiple times.

### **72231 Honors Theatre Careers**

Prerequisite: Acting (Theatre Arts 1) or membership in the International Thespian Society

Grade: 11, 12 Credit: 1.0

Students contract for four independently designed projects during the semester. Each project represents a mini- mum of 10 hours of work, research, study and must be performed for an audience. Students also select an approved text to read and reflect upon, sharing their findings with the class. The final exam experience puts the students in a college or professional audition/interview situation requiring a resume and portfolio. Students may take this course multiple times.

## **Visual Arts Courses**

#### 71703 Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course focuses on the elements and principles of the visual arts, art criticism, aesthetics, and art appreciation. Students study these elements and principles through a variety of media. This course is a prerequisite for all art studio courses.

#### **71803 Drawing**

Prerequisite: Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of art to the study of drawing. Basic drawing skills are applied to a variety of media, including pencil, charcoal, colored pencil, ink. Projects draw upon a variety of sources, real objects, people, and imagination. This course provides a student with a foundation in drawing skills and is strongly recommended for students wishing to pursue an art-related career.

#### 71801 Printmaking

Prerequisite: Art & Design Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of art to the study of printmaking. Students learn to create multiples of an image by using printmaking techniques. Students generate images through the use of various print-making media, including linoleum, wood cuts, mylar, plexiglass, and collagraph.

#### **71802 Fibers**

Prerequisite: Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of art to the study of fibers. Fiber arts includes a wide range of media and techniques which include but are not limited to weaving, bookmaking, tie-dying & batik, knitting, crochet, soft sculpture, surface design, and paper arts.

#### 71901 Ceramics

Prerequisite: Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of ar to the study of ceramics. Students will explore clay media through hand-building methods such as pinch, slab and coil as well as wheel-throwing, glazing, and surface design techniques. Projects include both functional ceramic works as well as decorative and sculptural pieces.

#### 71902 Sculpture

Prerequisite: Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of art to the study of sculpture. Students will create relief as well as "in-the-round" sculpture using a variety of materials and techniques such as paper, wire, polymer and paper clay, soft sculpture, plaster gauze, paper mâché', found objects and mixed media assemblage.

#### 72303 Painting

Prerequisite: Art & Design

Grade: 9, 10, 11, 12

Credit: 0.5

This course applies the elements and principles of art to the study of painting. Students will concentrate on developing skills and techniques related to watercolor, acrylic, and tempera paint as well as composition and color theory. Themes of study include still-life, portraiture, human figures, and landscape.

#### 72401 Art History 1 (Primitive to Gothic)

Grade: 9, 10, 11, 12

Credit: 0.5

Art History is a survey of man's cultural advances in art from prehistoric times through the Middle Ages. The survey studies painting, sculpture, and architecture through slides, movies, and field trips. This course is offered only during the first semester.

#### 72402 Art History 2 (Renaissance to 21st Century)

Grade: 9, 10, 11, 12

Credit: 0.5

Art History is a survey of man's cultural advances in art from the Renaissance through the modern era. The survey studies painting, sculpture, and architecture through slides, movies, and field trips. This course is offered only during the second semester.

#### 71823 2-Dimensional Art

Prerequisite: Successful Completion of Drawing, Painting, or Printmaking and Teacher Recommendation

Grade: 10, 11, 12 Credit: 0.5

This course applies the elements and principles of art to the study of 2-dimensional objects. Students will use a variety of techniques and expand on the skills learned in Drawing, Painting and/or Printmaking. Projects will include further exploration of media presented in prior 2-D courses. Teacher and student will collaborate on a project list and theme. Students will mostly work independently with guidance from the teacher. This class may be taken multiple times for credit.

#### 71923 3-Dimensional Art

Prerequisite: Successful Completion of Sculpture, Fiber, or Ceramics and Teacher Recommendation

Grade: 10, 11, 12 Credit: 0.5

This course applies the elements and principles of art to the study of 3-dimensional objects. Students will use a variety of techniques and expand on the skills learned in Sculpture, Fiber, and/or Ceramics. Projects will include further exploration of media presented in prior 3-D courses. Teacher and student will collaborate on a project list and theme. Students will mostly work independently with guidance from the teacher. This class may be taken multiple times for credit.

#### 74031 AP Studio Art: Drawing

Prerequisite: Two years, including drawing and painting

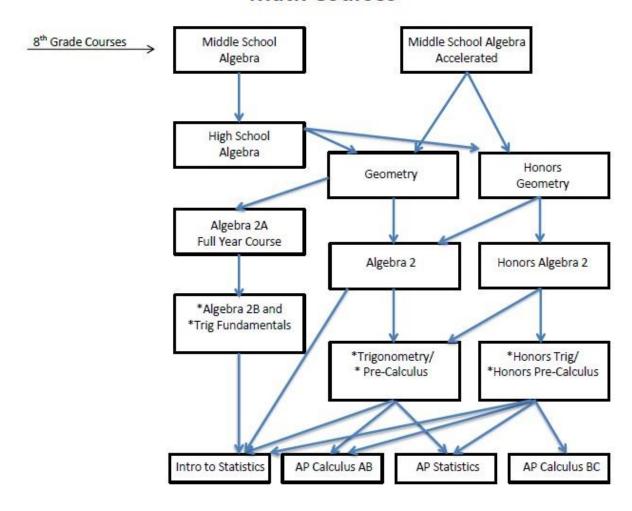
Grade: 11, 12 Credit 0.5

This course is designed to facilitate students completing a portfolio consisting of five original high-quality works and 12 slides of original works in an area of concentration to meet Advanced Placement criteria. Students are expected to submit their AP Portfolio to the College Board for evaluation.

# **Math Department**

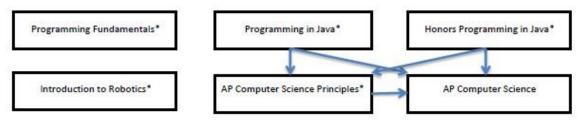
Angela VanBuskirk, Department Chair

# **Math Courses**



# **Programming Courses**

Elective Courses



<sup>\*</sup>Semester Courses

## 30001 High School Algebra 1 NCAA

Grade: 9 Credit: 1.0

High School Algebra 1 is designed for students who have passed Middle School Algebra. The topics include real world applications and modeling; technology, including graphing calculators; solving a variety of equations and inequalities; statistics; and a heavy emphasis on linear and quadratic functions.

## 31201 Geometry NCAA

Prerequisite: Honors 8th Grade Math or High School Algebra

Grade: 9, 10 Credits: 1.0

This course is designed to help students explore various geometric situations through the application of algebra and deductive reasoning. Specific topics include transformations, constructions, angle relationships, parallel and perpendicular lines, triangles and their relationships, an introduction of trigonometry, properties of polygons and circles, similar and congruent figures, area, and volume.

## 31231 Honors Geometry NCAA

Prerequisite: A in High School Algebra 1 with teacher recommendation or an A in Honors 8th Grade Math

Grade: 9, 10 Credit: 1.0

This course is designed to give the student a more in-depth study of all the topics covered in Geometry, plus additional work with constructions, proofs, locus, and vectors. Geometer's Sketchpad may be used to enhance instruction.

## 32201 Algebra 2 NCAA

Prerequisite: C (or better) in High School Algebra and C (or better) in Geometry

Grade: 10, 11 Credit: 1.0

Algebra 2 enriches mathematical knowledge through real world applications and the use of technology. The course builds on the foundations of High School Algebra 1 and certain topics from Geometry, including analysis of functions, systems of equations, inequalities, and quadratics. Algebra 2 will expand mathematical knowledge into advanced topics of matrices, higher order polynomials, series, conic sections, probability, and the following functions: radical, rational, exponential, and logarithmic.

# 32231 Honors Algebra 2 NCAA

Prerequisite: C (or better) in Honors Geometry or teacher recommendation

Grade: 10, 11 Credit: 1.0

Honors Algebra 2 is a course designed for those students who excel in mathematics, have a strong work ethic and study habits, and who intend to pursue college course work or careers in higher mathematics, science, or engineering. The course furthers the study of topics covered in High School Algebra 1, including in-depth analysis of the following functions: quadratic, high order polynomials, radical, rational, exponential, and logarithmic. Advanced topics include matrices, sequences and series, conic sections, probability, and trigonometry. Students are expected to develop a greater understanding of content using technology, including graphing calculators and calculator-based lab studies of real data and situations.

## 35001 Geometry & Algebra 1 (GA1) NCAA

Grade: 9, 10, 11, 12

Credit: 1.0

This course is the first year of a two-year sequence that covers the essential standards of High School Algebra and Geometry in an integrated approach. Topics will include real world applications and modeling, technology. including graphing calculators, solving a variety of equations and inequalities; statistics, and exploring geometric situations through applications of algebra. Students will perform linear and quadratic equations, transformations, constructions, and proofs.

## 36001 Geometry & Algebra 2 (GA 2) NCAA

Prerequisite: GA 1 Grade: 10, 11, 12 Credit: 1.0

This course is the second year of a two-year sequence that covers the essential standards of High School Algebra and Geometry in an integrated approach. Topics will include real world applications and modeling; technology, including graphing calculators, solving a variety of equations and inequalities; statistics; and exploring geometric situations through application of algebra. Students will perform exponential and radical equations, operations with polygons and circles, and an introduction to trigonometry.

## 32501 Algebra 2A NCAA

Prerequisite: Geometry or GA 2

Grade: 11, 12

Credit: 1.0 (.67 NCAA)

This course covers the first two-thirds of the Algebra 2 curriculum, providing students more time to master the concepts. Algebra 2A is a two-semester course that builds on the foundations of High School Algebra I and certain topics from Geometry. In addition to expanding on topics covered in High School Algebra I, topics in the complex number system, matrices, logarithms, and rational and radical functions are explored. Real world application; technology, including graphing calculators; and student projects are components of this course.

## 33501 Algebra 2B NCAA

Prerequisite: Algebra 2A

Grade: 11, 12 Credit: .5 (.34 NCAA)

Algebra 2B is a semester course that completes the last one-third of the Algebra 2 curriculum. Topics include rational and radical equations and expressions, conic sections, sequences and series; probability and statistics are explored. Real world application; technology, including graphing calculators; and student projects are components of this course.

# 33301 Trigonometry NCAA

Prerequisite: C (or better) in either Algebra 2 or Algebra 2B

Grade: 11, 12 Credit: 0.5

This is a traditional trigonometry course whose topics include the six trigonometric ratios, using the ratios to solve right and oblique triangles, graphing the trigonometric functions, working with trigonometric identities, and relating the trigonometric functions to the complex number system. Graphing calculators, writing and projects are incorporated.

# 33202 Pre-Calculus NCAA

Prerequisite: C (or better) in either Algebra 2 or Algebra 2B

Grade: 11, 12 Credit: .5

Many fields of study in college, such as business, electronics, and engineering, require a calculus course, and pre-calculus prepares the student for such courses. Topics of the course include polynomial and rational functions, exponential and logarithmic functions, sequences and series, linear programming, operations with matrices, and limits. The course also includes practical application of concepts through various projects, including the use of graphing calculators.

## 34631 AP Pre-Calculus NCAA

Prerequisite: C (or better) in Honors Algebra 2 or teacher recommendation

Grade: 11, 12 Credit: 1.0

This course is an advanced high school mathematics course that provides students with a deep understanding of fundamental calculus concepts. This course covers topics such as functions, trigonometry, and advanced algebraic techniques. Students will engage in rigorous discussion, problem-solving, modeling, and critical thinking, preparing them for the challenges of higher-level mathematics and the possibility of earning college credit through the AP exam.

## 33333 AP Calculus AB NCAA

Prerequisite: C in Honors Pre-Calculus or B in Pre-Calculus

Grade: 12 Credit: 1.0

This honors course is the equivalent of the first semester of college calculus. Although the material is covered at a slower pace, the expectations and rigor are the same as the college course. Topics covered are limits, derivatives (and their applications), integrals (and their applications), inverse and exponential functions. Students will be prepared for the AB version of the Advanced Placement Calculus test. Dual credit may be available for those who qualify.

## 33431 AP Calculus BC NCAA

Prerequisite: B in Honors Pre-Calculus or A in Pre-Calculus with teacher recommendation

Grade: 12 Credit: 1.0

This course is the equivalent of the first two semesters of college calculus. Topics include limits, derivatives, and integrals and their applications. They also include the study of parametric functions, vector-valued functions, series, and the Taylor polynomial. Students will be prepared for the BC version of the Advanced Placement Calculus test. Dual credit may be an option for those who qualify.

## **Statistics Courses**

#### 33701 Statistics & Quantitative Literacy NCAA

Prerequisite: Algebra 2A, Algebra 2, or Honors Algebra 2

Grade: 12 Credit: 1.0

This course is designed for college-bound students and serves as a transitional mathematics course. The course focuses on general statistics, data analysis, quantitative literacy, and problem solving. This course will emphasize conceptual understanding while modeling authentic, real-world applications. Students will develop mathematical maturity and college readiness through problem solving, project-based learning, critical thinking, data analysis, and effective mathematical communication. Students earning a C or better will be eligible to place into credit bearing math courses at any Illinois community college.

## 33503 Intro to Statistics NCAA

Prerequisite: Seniors must have a C in any level of Algebra. Juniors may take the course concurrently with Trigonometry/Pre-

calculus. Grade: 11, 12 Credit: 1.0

This course is an applied statistics course that focuses on data exploration and interpretation. Topics covered are exploring data through clustering, correlation and regression; planning studies, experiments, and simulations; fundamentals of probability application to modeling; and use of confidence intervals and significance testing in making decisions.

## 33531 AP Statistics NCAA

Prerequisite: C in Honors Pre-calculus or B in Pre-calculus, or A in Honors Algebra 2 (Juniors must take AP Statistics concurrently with Pre-calculus)

Grade: 11, 12 Credit: 1.0

This course is the equivalent of a college statistics course (non-calculus based). Topics covered are exploring data through clustering, correlation, and regression; planning studies; probability theory application to modeling; and use of confidence intervals and significance testing in making decisions. Students are encouraged to take the Advanced Placement Statistics test. Dual credit may be available for those who qualify.

## **Computer Programming Courses**

#### 33603 Programming Fundamentals

Prerequisite: High School Algebra

Grade: 10, 11, 12 Credit: 0.5

This course introduces students to the basics of computer programming. Students will practice math concepts in learning programming topics that include use of functions and control statements; object-oriented programming; and conditional and loop statements. The course uses the "drag and drop" Alice programming environment. Programming projects will exercise design creativity as well as the mathematics of logical thinking and problem solving by using objects in a virtual three-dimensional world.

## 34103 Programming in Java NCAA

Prerequisite: Geometry or instructor's consent

Grade: 10, 11, 12 Credit: 0.5

Programming in Java is an introduction to computer science. The course emphasizes good programming habits using the Java language and object-based program development. The first quarter focuses on the Java syntax and computer science concepts as well as on programming objects. The second quarter focuses on developing object interactions with an emphasis on larger projects. Topics covered include graphical user interaction (GUI's), file input/output, algorithms, and control structures.

## 34133 Honors Programming in Java NCAA

Prerequisite: A in Geometry or a B in any honors math class

Grade: 10 (with permission of grade level administrator or counselor), 11, 12

Credit: 0.5

Honors Programming in Java is an introduction to computer science. The course covers more advanced computer science topics such as data structures and manipulations, advanced algorithms, and modeling in addition to the concepts covered in Programming in Java. Topics covered include Java Syntax, Control Structure (conditionals, loops), Data Structures (primitives, references, & arrays), Objects - methods & fields, Object Interactions, Algorithms (sorting, randomization, formulas), and Graphics & Applet.

#### 37001 Coding in Python 1

Grade: 9, 10, 11, 12

Credit: 1.0

This course introduces coding in Python. Students master basic coding concepts common to all programming languages, such as statements, conditionals, and loops, and are additionally introduced to libraries, procedural graphics, and complex input. Students develop coding-related skills such as decomposition of large programs, debugging, and analyzing code written by others. Students will be able to create games, animations, and other interactive programs in Python upon completion of the course.

# 34430 AP Computer Science - Principles NCAA

Prerequisite: Programming in Java or teacher recommendation

Grade: 10 (with permission of grade level administrator or counselor), 11, 12

Credit: 0.5

This course is a self-study into the virtual machine and how it works. Covering both hardware and software concepts, the student explores and develops projects relating to high level languages, graphics, engineering simulations, and computer design.

## 34331 AP Computer Science A NCAA

Prerequisite: Enrolled in any honors math course, Programming in Java, or instructor's consent

Grade: 11, 12 Credit: 1.0

AP Computer Science A covers basic programming topics such as input/output methodology, as well as decision, control, and iterating constructs using the Java language. In addition to object-oriented design, the foundational computer science data structures and algorithms are covered. Emphasis is on the methodology of writing professional-level programs. The goal of this course is to prepare for the Advanced Placement Computer Science A exam.

#### 32003 Introduction to Robotics NCAA

Prerequisite: Geometry Grades: 10, 11, 12 Credit: 0.5

This course provides a setting for learning and exercising problem solving and a pre-engineering laboratory for students preparing to study technical fields such as computer science or engineering in college. This course introduces science, math, and technology skills that al-low students to design, build, and program robots to solve specific challenges. Students use Lego pieces for mechanical and structural tasks, a variety of digital and analog sensors, and the C-programming language in developing robot solutions. Students work in project teams to practice the communication process required for system design and integration.

# Physical Education, Health, Driver Education

## Tim Funkhouser, Department Chair

All courses are one semester, except for Driver Ed. and Wellness, which are one-quarter courses.

Grade	PE Credit Course Options	Driver's Ed & Health Course Options
19 - 10		Health* OR Early Bird Health* Classroom Driver's Ed**
Elective	Junior/Senior PE * Junior/Senior PE * Weight Training & Conditioning 1* Weight Training & Conditioning 2*	Today's Health*

<sup>\*</sup> Semester Courses \*\* One-quarter course

## **Drivers Education Courses**

Classroom Driver Education\*\*

Grade: 9, 10 Credit: 0.25

Classroom Driver Education class prepares the student to safely drive and skillfully operate a motor vehicle. This objective is fulfilled by teaching the student to know and understand laws, to develop a responsible attitude, and to develop manipulative skills. A student must, according to state law, be in attendance a minimum of 30 classroom hours and maintain a passing grade to successfully pass this course. Students are scheduled into Driver Education classes according to birth dates. Their Driver Education class will be scheduled in the adjacent, opposite quarter that they are scheduled for Wellness.

# **Physical Education Courses**

41001 Physical Education (Sem. 1)\*
41002 Physical Education (Sem. 2)\*
41061 Early Bird Physical Education (Sem 1)\*
41062 Early Bird Physical Education (Sem 2)\*

Prerequisite: None Grade: 9. 10

Credit: 0.5 per semester

Physical Education at EHS is designed to enhance the student's overall fitness and appreciation of physical activity. The focus of physical education classes is on cardiovascular endurance, increased strength and improved flexibility as well as the development of skills in a wide range of activities. Classes will teach entry-level skills as well as lifetime fitness principles in a fun-filled, non-threatening environment. Students will learn how to set individual goals and develop fitness programs. The proper dress for class includes a gray EHS Physical Education T-shirt and black shorts, socks, and athletic shoes. All students are expected to participate in class unless excused by a doctor. Grades are based on attendance, participation, skill, and written tests.

# 43001 Junior/senior Physical Education\* (Sem 1) 43002 Junior/senior Physical Education\* (Sem 2)

Grade: 11, 12

Credit: 0.5 per semester

Junior/Senior Physical Education builds on the 9th graders and sophomore program and activities but will stress more advanced skill level development, higher game strategies, and individual and team tournament play. Officiating and advanced game rules will be stressed. A variety of lifetime sports and new games will be introduced as well as physical fitness testing.

Team sports will include but are not limited to flag football, soccer, lacrosse, softball, basketball, volleyball, and floor hockey. Individual sports will include but are not limited to tennis, golf, badminton, table tennis, and pickle ball. Students are to be dressed in an appropriate gray T-shirt, black shorts, socks, and athletic shoes. All students are expected to dress for class unless excused by a doctor. Grades are based on attendance, participation, skill, and written tests.

## 43201 Weight Training and Conditioning 1 (Sem 1) 43202 Weight Training and Conditioning 2 (Sem 2)

Grade: 11, 12

Credit: 0.5 per semester

This course is designed to provide both males and females with the knowledge and ability to understand and properly perform a variety of strength training exercises with the use of free weights and machines. This comprehensive program based on the principles of periodization is implemented to meet specific considerations and demands for those involved in a sport or to become physically active for a healthy lifestyle. We expect all students to always keep their own safety and the safety of others in mind. Grades will be based on attendance, proper dress, participation, physical tests, and written tests. Students are required to wear the EHS P.E. uniform.

## **Heath Courses**

41201 Health\* (Sem. 1) 41202 Health\* (Sem. 2) 41261 Early Bird Health\* (Sem. 1) 41262 Early Bird Health\* (Sem. 2)

Grade: 10 Credit: 0.5

Health is a course required of all students at the sophomore level. The focus of this class is to provide information on health issues that would enable students to make healthy decisions based on their total well- being. A variety of topics will be covered, including CPR, responsible decision-making, weight management, mental and emotional well- being, stress management, substance abuse, violence prevention, sexuality, AIDS and other STDs, and disease prevention.

#### 43303 Today's Health\*

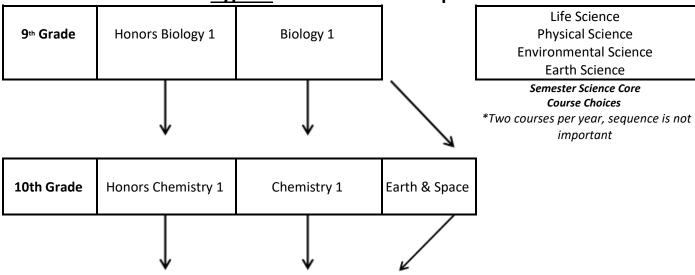
Grade: 11, 12 Credit: 0.5

Today's Issues in Health Education is a one-semester course offered as an elective for juniors and seniors that will explore current health issues and trends related to teen society. Students will realize that health is not just the absence of disease but the positive state of physical, mental, and social well-being. Topics to be discussed could include self-esteem, responsible decision-making, teen pregnancy and parenting, date rape/ dating violence, sexual harassment, AIDS and STD's update, aging and death, suicide prevention, health careers, alcohol and substance abuse, as well as current issues that affect every day teen living.

# **Science Department**

Nathan Rassi, Department Chair





11 <sup>th</sup> / 12 <sup>th</sup> Grade	Honors Physics	Physics	
	Honors Chemistry 2 <i>or</i> AP Chemistry	Honors Chemistry 2	
	Honors Biology 2 <i>or</i> AP Biology	Honors Biology 2 Veterinary Science	
	Anatomy & Physiology	Anatomy & Physiology	
	Honors Astronomy	Honors Astronomy	
	Honors Geology	Honors Geology	
	AP Environmental Science	AP Environmental Science	
	Physics	Honors Physics	
	Earth & Space	Earth & Space	

AP Physics (if you took Honors Physics as a Junior)

## **Life Science & Biology Courses**

NCAA

51003 Life Science

Grades: 9, 10, 11, 12 Credit: .5

This course will meet the Illinois state requirements in the life science area. Life Science introduces students to the basic concepts of Biology including but not limited to, the cell, ecology, heredity, genetics, and the influence of the human on life on this planet. Concepts will be reinforced with laboratory work. To earn credit in both classes, students must take Life Science prior to Biology.

**51301 Biology 1** *NCAA* 

Grades: 9, 10, 11, 12

Credit: 1.0

This course is designed to introduce students to the cell, genetics, ecology, plant life, and animal life. Laboratory work will help the student learn by the discovery method and dissection of preserved animal specimens.

## 51331 Honors Biology 1 NCAA

Prerequisite: Teacher recommendations

Grades: 9, 10, 11, 12

Credit: 1.0

This course focuses on the biological concepts of cell biology, genetics, heredity, and ecology. It stresses advances in the fields of cell biology, genetic research, and microbiology. Laboratory exercises are keyed to assist students in learning biology using the discovery method and dissection of preserved animal specimens. Emphasis is placed on observational skills, experimental methods, and deductive reasoning. This course moves at an accelerated rate.

#### 15402 Animal Science

Grades: 10, 11, 12

Credit: 0.5

This course is designed to reinforce and extend students' understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals — embryology, ethology, nutrition, immunity systems, and processing animal products — preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus.

# 15401 Plant Science NCAA

Grades: 10, 11, 12 Credit: 0.5

This course is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth — germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth —photosynthesis, respiration, translocation, metabolism, and growth regulation. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus.

#### **53501 Veterinary Science**

Prerequisite: Biology or Animal Science/Plant Science

Grades: 11, 12 Credit: 1.0

This veterinary science course is designed to introduce students to the fundamental principles of veterinary medicine and animal science. It offers a comprehensive overview of anatomy and physiology, animal nutrition, disease, and principles of veterinary surgery. Students will gain both theoretical knowledge and practical skills necessary for a potential career in veterinary medicine or animal science.

## 54101 Anatomy & Physiology NCAA

Prerequisite: Honors Biology 1 or Biology 1 and Honors Chemistry 1 or Chemistry 1

Grades: 11, 12 Credit: 1.0

This course examines the terminology, structure, function, and interdependence of the human body systems. It includes a study of the cells, chemistry, tissues, skeletal, muscular, nervous, and endocrine systems. Laboratory work will help the student learn by dissection of preserved specimens. This course provides a biology-based course choice for students who are interested in biology or pursuing a career in the medical field.

## 53031 Honors Biology 2 NCAA

Prerequisite: B or better in Biology 1, C or better in Honors Biology 1, & B or better in Chemistry 1, or C or better in Honors

Chemistry 1 Grades: 11, 12 Credit: 1.0

Honors Biology 2 begins with basic chemistry and biochemistry of cells. Students study cell organelles, tissues, organs, and systems. Energy transformation in cells includes photosynthesis and respiration. During the genetics phase, students study the role of DNA, RNA, recombinant DNA, mutations, mitosis, meiosis, and Mendel's Laws. The last major section of this course covers organisms and populations, including taxonomy, physiology, development, behavior, and dissection.

# 54031 AP Biology NCAA

Prerequisite: B or better in Honors Biology and a B or better in Honors Chemistry I.

Grades: 11, 12 Credit: 1.0

AP Biology will study three distinct sections in depth. The first, molecules and cells, will include the chemistry of life, prokaryotic and eukaryotic cells, and cellular energetics. The second section will cover heredity and evolution with molecular genetics and evolutionary biology as well. The third section will involve the diversity of organisms (plants and animals), their structure and function, and their ecology. Dissection may be used to reinforce concepts. The goal of this course is to provide students with the skills they need to be successful on the College Board AP Biology exam in May. A summer assignment is required for this class. Contact the school for more information.

#### **Earth Science Courses**

51203 Earth Science NCAA

Grades: 9, 10, 11, 12

Credit: .5

This course meets the requirements in the earth science area. Major topics covered in Earth Science will include: the formation of the universe and Earth, geological processes which affect the Earth, geologic time and life through geologic time, Earth's oceans, and the processes of atmospheric science. Laboratory exercises and assignments will be used throughout the course. To earn credit in both classes, students must take Earth Science prior to Earth & Space

## 51401 Earth & Space NCAA

Grades: 10, 11, 12 Credit: 1.0

This class will cover various topics in astronomy, geology, and meteorology, and relate them to phenomena observed on earth. Hands-on laboratories are an integral part of the course, as are online activities and resources. Competency in high school math curriculum will be utilized, as well as the principles of scientific reasoning and problem solving. To earn credit in both classes, students must take Earth & Space prior to Honors Geology or Honors Astronomy.

## 53331 Honors Geology NCAA

Prerequisite: B average in regular science classes or C average in Honors science

Grades: 11, 12 Credit: 1.0

This course uses a college level text and is intended to be a meaningful, nontechnical class for students taking their first course in geology. It will include the study of plate tectonics, surface processes, internal processes, and earth materials as well as elements of astronomy and meteorology as they apply to geology. There will be hands on laboratory activities and exploratory activities, as well as extensive online resources and assignments for each unit of study. Principles of scientific problem solving, and basic science mathematics will be used throughout the class to explain various phenomena.

# 53431 Honors Astronomy NCAA

Prerequisite: B average in regular science classes or C average in Honors science

Grades: 11, 12 Credit: 1.0

This course will use a college level textbook designed for students taking an introductory course in astronomy. The class will cover the makeup of the physical universe and the forces that shape it. Topics include the life cycle of stars, formation of the universe, telescopes, the nature of light, and the formation of planets and moons. While conceptual in nature, the class will require some basic skills in geometry and algebra and will involve applying the principles of scientific reasoning to various phenomena. Optional observation sessions will be held at various locations in the area, weather permitting, including the Shaw Sky Lab at SIUE. There will be extensive use of on-line resources and assignments for each unit of study, as well as classroom-based laboratory activities.

## **Physical Science & Physics Courses**

## 51103 Physical Science NCAA

Grades: 9, 10, 11, 12

Credit: .5

This course meets the requirements in the physical science area. Physical science introduces students to the basic concepts of chemistry and physics: scientific method, energy and motion, nature of matter, chemical reactions, waves, and electricity. Concepts will be reinforced with laboratory work. To earn credit in both classes, students must take Physical Science prior to Physics.

## 52401 Physics NCAA

Prerequisite: C or better in both semesters of High School Algebra or Honors 8th Grade Math

Grades: 10, 11, 12 Credit: 1.0

This is an introductory course in physics for students who plan to further their education in areas other than engineering or related fields. Ideas will be explored both conceptually and mathematically. The amount and intensity of computational mathematics will be lower than that of Honors Physics. Topics of study will include Newtonian Mechanics, heat, sound, and light. A scientific calculator is required.

## 53231 Honors Physics NCAA

Prerequisite: B or better in Geometry or Honors Geometry and concurrent enrollment in Algebra 2 or Hon Algebra 2

Grades: 11, 12 Credit: 1.0

This is an introductory course in physics for students who plan to enter college in science, engineering, or other related fields. Emphasis is placed on the role of energy in the nature of the physical universe. A quantitative approach is used in developing and working with concepts; thus, the role of measurement and mathematical operations are fundamental to the course. Topics that shall be discussed include Newtonian Mechanics (forces, acceleration, work, and power) heat, sound, and light. Laboratory work and demonstrations are included to introduce, reinforce, and illustrate many of the concepts. A scientific calculator is required.

# 54431 AP Physics C: Mechanics NCAA

Prerequisite: Honors Physics and concurrent enrollment in AP Calculus

Grades: 12 Credit: 1.0

This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to or proceeded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of the AP Physics C Mechanics course is principally Newtonian mechanics. This course is the first part of a sequence, which in college is sometimes a very intensive one-semester course but often extends up to two years, with a laboratory component. The goal of this course is to provide students with the skills they need to be successful on the College Board AP Physics C:M exam.

## **Chemistry Courses**

## 52201 Chemistry 1 NCAA

Prerequisite: Biology 1 and C or better both semesters in High School Algebra

Grades: 10, 11, 12

Credit: 1.0

This is a general chemistry course introducing students to atomic structure, molecules, matter and energy relationships, and chemical reactions. Concepts are expanded upon through laboratory and some mathematics work. A scientific calculator is required.

## 52231 Honors Chemistry 1 NCAA

Prerequisite: Honors Biology 1 and B or better in both semesters of High School Algebra

Grades: 10, 11, 12

Credit: 1.0

This course will cover the same topics as Chemistry 1 but will be more in depth with a stronger math emphasis. Topics include atomic structure, molecules, matter and energy relationships, and chemical reactions. Concepts are expanded upon through laboratory work. A scientific calculator is required.

## 53131 Honors Chemistry 2 NCAA

Prerequisite: B or better in Chemistry 1 or C or better in Hon Chemistry 1, concurrent enrollment in Algebra 2 or Hon

Algebra 2 Grades: 11, 12 Credit: 1.0

This chemistry course is an extension of Chemistry 1 with new topics introduced and/or first-year topics detailed in greater depth. The course is mathematically driven with an emphasis on Algebra 2 skills. Laboratory work is conducted on a more independent level and is included to reinforce theory and proper laboratory technique. A scientific calculator is required. Dual credit may be available for those who qualify.

# 54331 AP Chemistry NCAA

Prerequisite: B average or better in Honors Chemistry I and concurrent enrollment in Honors Algebra 2.

Grades: 11, 12 Credit: 1.0

This course is designed to be the equivalent of the general chemistry course offered during the first year of college. The focus will be on independent study with class discussion of concepts. Students explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, electrochemistry, kinetics, thermo-dynamics, and equilibrium. The course will emphasize mathematical formulations of chemical principles. This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations, some of which are inquiry-based. The goal of this course is to provide students with the skills they need to be successful on the College Board AP Chemistry exam. A summer assignment is required for this class. Contact the school for more information. Dual credit may be available for those who qualify.

#### **Environmental Science Courses**

## 51403 Environmental Science NCAA

Grades: 9, 10, 11, 12

Credit: .5

This course will introduce students to natural resources and the importance of conservation along with studying the human population and its effects on the environment. The concepts of ecology, sustainability, alternative energy, and environmental quality will be reinforced with laboratory work. To earn credit in both classes, students must take Environmental Science prior to AP Environmental Science.

## 54531 AP Environmental Science NCAA

Prerequisite: C or better in Honors Biology 1 or Biology 1 and Honors Chemistry 1 or Chemistry 1

Grades: 11, 12 Credit: 1.0

This course is designed to be the equivalent of a one- semester, introductory 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 an interdisciplinary course that draws on knowledge from multiple areas of study within science and social science. The goal of this course is to provide students with the skills they need to be successful on the College Board AP Environmental Science exam in May. A summer assignment is required for this class.

# Social Science Department

Jeff Gall, Department Chair

All courses are semester courses, EXCEPT US History, Honors US History, AP US History, AP Macroeconomics, and AP Human Geography, which are full-year courses.

Grade	Social Science Credit Course Options	Honors/AP Course Options
9/10 Required	Civics* World Geography*	
11 Required	US History OR Early Bird US History	AP US History OR Early Bird AP US History (meets required option) Honors US History
9-12 Electives	Ancient World History* Medieval World History* Modern World History* US Foreign Policy* The Black Experience in America*	
11/12 Electives	Sociology*	Honors Anthropology* AP Human Geography AP Macroeconomics* AP Microeconomics* Honors Psychology*

<sup>\*</sup>Semester Courses

# **Required Courses**

60003 Civics NCAA



Prerequisite: None Grades: 9, 10 Credit: 0.5

This is a one-semester course designed to prepare students to be active participants in the democratic process. Course content examines the rights and responsibilities of citizenship, the United States Constitution, the political process, state and local government. The government of the United States is compared to other forms of government. Students will be required to pass tests on the U.S. and Illinois Constitutions.

## 61303 World Geography NCAA



Prerequisite: None Grades: 9, 10 Credit: 0.5

In this course, the five themes of geography (location, place, human/environment interaction, movement, and regions) are applied to regions around the world and across all continents. Emphasis is on physical and human geography and incorporates current issues and events. Through this course students will also have a better understanding of the increased globalization of the world. This course fulfills a graduation requirement.

#### Only ONE variation of a U.S. History course is required for graduation.

63001 U.S. History NCAA

Prerequisite: None

Grade: 11 Credit: 1.0

This course is required of all students at the junior level, enables students to gain a better understanding of how the American society developed and where it may be going. The first semester surveys the period of colonization through the westward movement, while the second semester focuses on the 20th century to present. U.S. History combines many aspects of our heritage, such as biography, economics, philosophy, sociology, politics, religion, geography, diplomacy, law, and government.

63031 Honors US History NCAA

Prerequisite: 3.0 GPA

Grade: 11 Credit: 1

This course is an advanced course offered to capable students in lieu of regular U.S. History. The first semester surveys the period of colonization through the westward movement, while the second semester focuses on the 20th century to present. This program uses a college level text and is geared to meet the needs of high achieving students. A strong vocabulary, good reading comprehension and good writing skills are necessary. Opportunities for critical thinking, independent research, debate and written expression are provided.

63631 AP U.S. History NCAA 63661 Early Bird AP U.S. History NCAA



Prerequisite: 3.0 GPA Grades: 11, 12

Credit: 1.0

This course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, ex-change, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course to make connections among historical developments in different times and places.

## **Elective Courses**

#### 61403 The Black Experience in America NCAA

Prerequisite: None Grade: 9, 10, 11, 12

Credit: 0.5

This survey course focuses on the history of the Black experience in America. Our inquiry will begin with African people prior to enslavement, continuing through the middle passage, and slavery in the Americas. We will examine the quest for freedom from abolition through the Civil Rights Movement and culminating with contemporary movements. The course will celebrate, honor, and recognize the contributions and achievements of Black Americans. Students will acquire the knowledge and skills to think analytically about how political and social landscapes shape modern society. Students accomplish this by interpreting primary and secondary sources, reviewing video, conducting individual research and active class discussion.

#### 61503 Ancient World History NCAA



Prerequisite: None Grades: 9, 10, 11, 12

Credit: 0.5

This course traces the development of Old World civilizations, including Egypt, the Middle East, China, Greece, Rome, and Africa. Each unit involves an overview of major events, historical figures, geographical details, cultural contributions, and relationships to the modern world. Reading material is supplemented with appropriate visuals to assist the students in developing an image of these early times. The course includes discussions of economic, political, and cultural changes as well as an analysis and comparison of historical events.

#### 61603 Medieval World History NCAA



Prerequisite: None Grades: 9, 10, 11, 12

Credit: 0.5

This course traces the development of the Middle Ages civilizations, including Byzantium, Arabia, China, Japan, England, France, and the Americas. These are explored from the fall of Rome through the Renaissance and the development of Feudalism through Monarchy. Each unit involves a review of major events, historical figures, geographical details, and cultural advances. The course includes discussions of economic, political, and cultural changes as well as an analysis and comparison of historical events.

#### 61703 Modern World History NCAA



Prerequisite: None Grades: 9, 10, 11, 12

Credit: 0.5

This course traces European exploration, the Age of Revolution, the development of the Industrial Age, imperialism, and the world war eras. The historical roots of world trouble spots are examined. The course includes discussions of economic, political, and cultural changes as well as an analysis and comparison of historical events.

#### 61803 U.S. Foreign Policy NCAA



Prerequisite: None Grades: 10, 11, 12

Credit: 0.5

This course examines U.S. foreign policy, with an emphasis on the post-World War II era. Current topics include national interest, economic development, international law, terrorism, nuclear disarmament, the United Nations, human rights, border disputes, world resources, and international relations. Textual materials are supplemented with documents, handouts, videos, map work, and simulations.

# 63203 Sociology NCAA

Prerequisite: 2.0 GPA Grades: 11, 12 Credit: 0.5

Sociology is the study of man in his society. Some of the topics studied are culture and its characteristics, social control, social movements, marriage, family, divorce, values, minority groups, and immigration. The material is designed to help the student better understand both the American society and cultures of the world. Instructional resources include textbooks, visuals, group discussions, and project development.

#### 63333 Honors Anthropology NCAA



Prerequisite: 3.0 GPA Grades: 10, 11, 12 Credit: 0.5

Anthropology deals with the physical and cultural development of man. A survey of physical anthropology includes studying the theory of evolution, primates, and prehistoric man. Cultural anthropology includes units on archaeology and the Stone Ages. Anthropology is designed to provide the student with basic knowledge for an introductory college course. The text is college level.

#### 63433 Honors Psychology NCAA



Prerequisite: 3.0 GPA Grades: 11, 12 Credit: 0.5

Psychology is an introductory college prep course geared to those planning to go to college and to those with a keen interest in aspects of human behavior. Vocabulary and concepts are stressed to give the student a working understanding of the subject matter. Major topics include learning, perception, personality, disturbance, states of consciousness, the brain, and research in psychology.

## 63531 AP Human Geography NCAA



Prerequisite: 3.0 GPA Grades: 11, 12 Credit: 1.0

The purpose of this year-long course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will be required to take approximately four field trips to SIUE during the school year to use their geographic technology.

## 13332 AP Microeconomics NCAA

Prerequisite: Cumulative GPA 3.0 (11th Grade Students must have a GPA of 3.75 or above)

Grade: 11, 12 Credit: 0.5

This course allows students a chance to enhance their basic under- standing of the behavior of individual economic agents and markets, with special emphasis on consumer and firm behavior, prices markets, the degree of competition, international trade, and social welfare. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

#### 12931 AP Macroeconomics NCAA



Prerequisite: Cumulative GPA 3.0

Grade: 12 Credit: 1.0

This course is designed for students to understand essential economics concepts. Earning credit for this course satisfies the Consumer Education graduation requirement. Students apply these concepts to national and international economies. Students explore the causes of unemployment, inflation, and fluctuations in the global business environment. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

# **Special Education Department**

## Eric Pretto, Department Chair

All courses in the following section are designed specifically for students who access special education support through a specialized program. Additionally, some classes may benefit students within the instructional setting. Enrollment for these courses will be determined by the student's individualized education plan.

#### 91081 Learning Strategies

Grade: 9, 10 Credit: 1.0

This course is designed specifically for students who access special education services and will provide instruction in organization and time management, basic technology training, goal setting, and other study skills that will assist the student in being academically successful. A portion of this course will encompass support academically and in task completion. Enrollment for this course will be determined by the student's individualized education team. This course can be taken as a semester or full year and counts as an elective credit. Students may take this class for up to two full years.

## **Occupational Orientation Courses**

#### 91281 Introduction to Occupational Orientation

Grade: 9, 10, 11, 12

Credit: 1.0

This course is designed specifically for students who access special education services and will provide students opportunities to learn the perquisites skills for obtaining employment. Students will explore and develop vocational skills and workplace readiness. This course emphasizes self-discovery, skill acquisition, and preparation for future employment, enabling students to make informed decisions about their career aspirations and goals. This course is the first of three-tiered classes to support students' current level. Introduction will have the most intensive support of the three classes.

#### 92281 Foundations of Occupational Orientation

Prerequisite: Introduction to Occupational Orientation or assessment equivalent

Grade: 9, 10, 11, 12

Credit: 1.0

This course is designed specifically for students who access special education services and will provide students opportunities to learn the perquisites skills for obtaining employment. Students will explore and develop vocational skills and workplace readiness. This course emphasizes self-discovery, skill acquisition, and preparation for future employment, enabling students to make informed decisions about their career aspirations and goals. This course is the second of three-tiered classes to support students' current level. Students within foundations will require less support and learning will be more student driven.

#### 93281 Occupational Orientation

Prerequisite: Foundations of Occupational Orientation or assessment equivalent

Grade: 10, 11, 12 Credit: 1.0

as an elective credit.

This course is designed specifically for students who access special education services and will provide students opportunities to learn the perquisites skills for obtaining employment. Students will be expected to review job listings, fill out applications, and practice interviews. In addition, students will have the opportunity to explore career interests by researching various occupations. Enrollment for this course will be determined by the student's individualized education team. This course counts

## **Work Experience Courses**

## 91381 Introduction to Work Experience

Grade: 9, 10, 11, 12

Credit: 1.0

This course is designed specifically for students who access special education services and still need support prior to independent community-based work. The course is designed to provide students with the opportunity to gain valuable work-related skills, practical experience, and career insights. This course focuses on hands-on learning in real work environments, empowering students to make informed career choices and prepare for successful employment. This course is the first of three-tiered classes to support students' current level. Introduction will have the most intensive support of the three classes.

#### 92381 Foundations of Work Experience

Prerequisite: Introduction to Work Experience or assessment equivalent

Grade: 9, 10, 11, 12

Credit: 1.0

This course is designed specifically for students who access special education services and may be ready to go out into the community to gain skills needed for work with support. The course is designed to provide students with the opportunity to gain valuable work-related skills, practical experience, and career insights. This course focuses on hands-on learning in real work environments, empowering students to make informed career choices and prepare for successful employment. This course is the second of three-tiered classes to support students' current level. Students within foundations will require less support and learning will be more student driven.

#### 94281 Work Experience

Prerequisite: Foundations of Work Experience or assessment equivalent

Grade: 10, 11, 12 Credit: 2.0

This course is designed specifically for students who access special education services and are ready to go out into the community to gain skills needed for work. This year-long class consists of both a classroom portion and an opportunity for students to work within the community in a competitive employment setting. The class work is an opportunity to provide students in a learning environment in the following skills: resume writing, job application process, interview process, reading and listening skills, math that includes figuring pay, budgets, and bill paying social skills, self-advocacy and behaviors needed for on the job, resources to assist in independent living, college and trade school information, career research including transition planning for after school. Enrollment for this course will be determined by the student's individualized education team. This course counts as an elective credit.

# World Language Department

## Levi Antrim, Department Chair

Grade	American Sign Language	French	German	Spanish
9-12		French 1	German 1	Spanish 1
10-12	American Sign Language 1	French 2	German 2	Spanish 2
11-12	American Sign Language 2	Honors French 3	Honors German 3	Honors Spanish 3
12		Honors French 4	Honors German 4	Honors Spanish 4

## **American Sign Language Courses**

American Sign Language is a complete and organized visual language that is expressed by facial expression as well as movements and motions with the hands. In addition to the use of the language, students will learn about the Deaf community and culture. Students interested in courses following ASL 2 would have the option to take concurrent enrollment courses (SIGN 136 & 136) through Lewis & Clark Community College.

## 81301 American Sign Language 1 NCAA

Prerequisite: None Grade: 10, 11, 12 Credit: 1.0

This course will be an introduction to American Sign Language (ASL) and bring cultural awareness of the Deaf community. By the end of this course, students will be able to participate in and understand fundamental expressions commonly used ASL vocabulary including finger spelling, signed words, and gestures. The student will be expected to build vocabulary and grammar skills through group, partner, and individual activities to facilitate understanding.

# 82301 American Sign Language 2 NCAA

Prerequisite: American Sign Language 1

Grades: 11, 12 Credit: 1.0

American Sign Language 2 builds upon the skills acquired in ASL 1 to expand vocabulary, grammatical knowledge, and cultural awareness of the Deaf community. The course will introduce increasingly complex grammatical aspects. Students will be expected to build vocabulary, grammar and dialogue skills through group, partner, and individual activities to facilitate understanding.

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## French Courses

81001 French 1

NCAA

Prerequisite: None Grade: 9, 10, 11, 12

Credit: 1.0

In this course students will learn to: comprehend and participate in basic conversations in French, covering common everyday topics; read and comprehend simple texts in French; write short, coherent paragraphs in French; build vocabulary and grasp fundamental grammar concepts; and understand and appreciate cultural differences and similarities of the French-speaking world.

NCAA 82001 French 2

Prerequisite: French 1 Grade: 10, 11, 12

Credit: 1.0

French 2 builds upon the skills acquired in French 1 to further develop the students' language and cultural competencies and prepare them for living in a global society. Focus will be placed on solidifying linguistic abilities and cultural awareness of the French speaking world through a variety of activities.

83031 Honors French 3



Prerequisite: French 2

Grades: 11, 12 Credit: 1.0

Honors French 3 emphasizes the skills acquired in French 1 and 2. It builds upon them to delve into more complex texts and grammar. Focus in on reading, speaking, increasing vocabulary, and learning more intricate cultural aspects of the French speaking world. Dual credit through Lewis & Clark Community College is available to those who qualify.



Grade: 12 Credit: 1.0

Honors French 4 uses the skills learned from all three previous levels to help students in gaining fluency in the French language through conversations, readings, and listening skills among other activities. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

## **German Courses**

81101 German 1 NCAA

Prerequisite: None Grade: 9, 10, 11, 12

Credit: 1.0

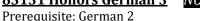
In this course students will learn to: comprehend and participate in basic conversations in German, covering common everyday topics; read and comprehend simple texts in German; write short, coherent paragraphs in German; build vocabulary and grasp fundamental grammar concepts; and understand and appreciate cultural differences and similarities of the Germanspeaking world.

82101 German 2

Prerequisite: German 1 Grade: 10, 11, 12 Credit: 1.0

German 2 builds upon the skills acquired in German 1 to further develop students' language and cultural competencies and prepare them for living in a global society. Focus will be placed on solidifying linguistic abilities and cultural awareness of the German speaking world, through a variety of activities.

83131 Honors German 3 NCAA



Grade: 11. 12 Credit: 1.0

Honors German 3 emphasizes furthering the skills acquired in German 1 and 2 and builds upon them to delve into more complex texts and grammar. Focus is on reading, speaking, increasing vocabulary, and learning more intricate cultural aspects of the German speaking world. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

84131 Honors German 4 NCAA

Prerequisite: Honors German 3

Grade: 12 Credit: 1.0

Honors German 4 uses the skills learned from German 1, 2, 3 to help students in gaining fluency in the German language, and further enhance cultural competencies. This course allows for greater usage of the German language through conversation, readings, and listening skills among other activities. Dual credit through Lewis & Clark Community College may be an option for those who qualify.

## **Spanish Courses**

**81201 Spanish 1** *NCAA* 

Grade: 9, 10, 11, 12

Credit: 1.0

In this course students will learn to: comprehend and participate in basic conversations in Spanish, covering common everyday topics; read and comprehend simple texts in Spanish; write short, coherent paragraphs in Spanish; build vocabulary and grasp fundamental grammar concepts; and understand and appreciate cultural differences and similarities of the Spanish-speaking world.

82201 Spanish 2 NCAA

Prerequisite: Spanish 1 Grades: 10, 11, 12

Credit: 1.0

Spanish 2 continues with the same skills as Spanish 1 (listening, speaking, reading, and writing) but in greater depth. The principal grammar points of the second year include a review of the first year and development of adjectives, adverbs, pronouns, future and past tenses, etc. Situations are created so that students can use the material in speaking. Reading and writing through the use of the book and workbook are correlated to the oral work. Students are further acquainted with the culture or cultures associated with the Spanish language through the textbook and outside sources.

83231 Honors Spanish 3



Prerequisite: Spanish 2

Grade: 11, 12 Credit: 1.0

Honors Spanish 3 allows for the strengthening of the language skills begun in Spanish 1 and 2: listening, speaking, reading and writing. Grammar skills are reviewed and expanded. Written tests, oral presentations and the amount of participation are used to assess student progress. Students read a variety of texts geared to increase their language abilities. Cultural aspects are highlighted via readings, discussions, films and other media and technology sources.

**84231 Honors Spanish 4** *NCAA* Prerequisite: Honors Spanish 3

Grade: 12 Credit: 1.0

This course emphasizes the development of oral fluency as well as the ability to read easily and with direct comprehension. This course allows a greater enjoyment in the acquired basic language skills of listening, speaking, reading and writing in Spanish. Students are expected to polish their language abilities as they summarize, converse, present oral reports and write longer compositions in the target language. Students are expected to read a greater variety of texts as well as a longer piece of literature. Oral participation in class is of utmost importance to achieving fluency in Spanish.