Edwardsville High School

2021-2022 Course Handbook

2021-2022 Administration

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December 2020

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.

The 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 December will be reviewed and be approved or disapproved based on availability within the master schedule. Also note that your schedule may include a block of courses that meets at the Nelson Campus.

Keep in mind there are numerous people at the 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 now, you can enjoy a truly successful 2021-2022 school year.
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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. Students will be expected to complete the course selection process on-line during December. Counselors will be sending out additional information in early December. See instructions below.

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 unique agreement between the LCCC and the school district offers unique opportunities for students.

Student Directions for Making Course Requests


2. Choose Classes

3. Choose Requests

4. Click Edit in the appropriate Department to choose your requested course.
5. Check the Request box next to the course(s) you are requesting and click save.
Course Description Information

DEPARTMENT COURSE LISTINGS 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** Honors course are more rigorous, enriched, and are taught at an accelerated pace. All honors courses receive weighted grades.
- **Advanced Placement (AP) Courses** 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] are NCAA-approved courses.

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 behind this label. Please follow these closely to ensure student success within this course.

COURSE CREDIT Edwardsville High School offers both full-year and semester 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.

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 Report cards are issued quarterly. Credits for passing grades are issued at the end of each semester. Quarter grades are to be regarded as grades in progress. They are not recorded on a student’s permanent record. Final average and class rank are based on all semester grades earned from the ninth grade through the second semester of the twelfth grade. All courses are included in determining the class average and rank except Physical Education and Driver Education. Grades received in all classes are weighted as follows:

| Regular Classes | A=4 | B=3 | C=2 | D=1 | F=0 |
| Honors/AP (Weighted) Classes | A=5 | B=4 | C=3 | D=2 | F=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 to review 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:

- **Class Substitutions**: Student is changing a course that he/she is enrolled in and substituting it for another offering. The deadline for these changes will be the first five days of a new semester.
- **Class Additions**: Student is adding a new course to his/her schedule. The deadline for this change will be the first five days of a new semester. Accommodations can be made depending on class availability and alignment with existing student schedule.
- **Class Deletions**: Student is removing an existing class from his/her schedule with no academic replacement. Students will be placed in a study hall. The deadline is the first five weeks of school. Deletions made after this time will result in a grade of “F,” and no credit for the course will be reported and calculated for the student’s semester grade.
- **Track Changes**: Student changes from one level to another level of the same course (Honors – Regular). The deadline for level changes will be at the end of 1st quarter for the first semester class and at the end of 3rd quarter for second semester class. This requires permission from parent, teacher, and school counselor. No level changes will be made after this time.
- **Section Changes**: If a student wishes to make a section 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.

<table>
<thead>
<tr>
<th>Name of Change</th>
<th>Description</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Substitutions</td>
<td>Change current course to another</td>
<td>First five days of a new semester</td>
</tr>
<tr>
<td>Class Additions</td>
<td>Add a course</td>
<td>First five days of a new semester</td>
</tr>
<tr>
<td>Class Deletions</td>
<td>Remove a course from schedule and exchange for study hall</td>
<td>First five weeks of school</td>
</tr>
</tbody>
</table>
| Track Changes        | Move from one level to another level of the same course | End of 1st quarter for the first semester class  \\
|                      |                                            | End of 3rd quarter for the second semester class |

Note: Level changes will be made based on class availability and alignment with existing student schedule.
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 students must be enrolled for a minimum of five (5) credits (2.5 credits per semester).

- Physical education and driver education are considered non-academic subjects. Each semester course passed is worth 0.5 credit. Driver education and Quarter P.E. are worth 0.25 credit each.
- Each student must pass a course that includes consumer education requirements, as mandated by the State of Illinois. The consumer education credit can be earned by passing either Consumer Education, which is one semester, or Agricultural Business Management, which is a full-year course.
- Students must take the SAT as mandated by the State of Illinois.
- Students must be enrolled for a minimum of one complete semester and have successfully met all graduation requirements before receiving a diploma.

Required Courses

- English 4 years, with a research paper each year
- Math 3 years
- Science 2 years
- Social Science 2 years
  - 1 semester of Civics and 1 semester of World Geography
  - One year of US History or AP US History for 11th grade
- Electives 1 year
  - Music, art, foreign language, business, or vocational education
- Physical Education 1 year
  - Wellness 1 quarter
  - Physical Education and Wellness in combinations of either 9th grade and 10th grade.

- Health 1 semester 10th grade
- Driver Education 1 quarter 9th or 10th grade
- Consumer Education 1 semester 12th grade

Physical Education Note:
Any junior or senior who wishes to take an additional academic class and meets state requirements may request to be excused from physical education by having a waiver signed by his/her parent or guardian. This waiver may be obtained from the student’s guidance counselor.

Any freshman or sophomore enrolled in first semester marching band may request to be excused from physical education by having a waiver signed by his/her parent or guardian. This waiver may be obtained from the band director.
# Four-Year High School Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>Academic &amp; Extracurricular</th>
<th>Testing</th>
<th>Explore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen</td>
<td>• 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&lt;br&gt;• Develop good study habits&lt;br&gt;• The first grade point average (GPA) you establish is very important&lt;br&gt;• Get involved in extracurricular activities&lt;br&gt;• Volunteer within the community&lt;br&gt;• Keep track of your activities</td>
<td>• Commit to doing well in coursework as it prepares you for the tests in other years...no specific standardized tests are given&lt;br&gt;• PSAT 9 (required for Illinois students)</td>
<td>• Think about what you want to pursue as a career once you complete your education&lt;br&gt;• Think about where you want to go to post-secondary school&lt;br&gt;• Investigate the costs associated with post-secondary schooling</td>
</tr>
<tr>
<td>Sophomores</td>
<td>• Continue to take the most challenging courses you can&lt;br&gt;• Continue to get involved in extracurricular activities and volunteer opportunities&lt;br&gt;• Update the record of what you do and offices you hold&lt;br&gt;• Select courses for your junior year that ensure meeting graduation and post-secondary entrance requirements</td>
<td>• Commit to doing well in coursework as it prepares you for the tests in other years&lt;br&gt;• PSAT 10 (required for Illinois students)</td>
<td>• Think about your talents, inclinations, and personality&lt;br&gt;• Research requirements (course pre-requisites, entry requirements, personality traits, etc.) for careers you are considering&lt;br&gt;• Think about and discuss with others matching yourself with careers that interest you&lt;br&gt;• Encourage your parents to attend the financial aid seminar</td>
</tr>
<tr>
<td>Juniors</td>
<td>• Continue to take the most challenging courses you can&lt;br&gt;• Continue to get involved in extracurricular activities and volunteer opportunities&lt;br&gt;• Update the record of what you do and offices you hold&lt;br&gt;• Choose electives that support your possible career(s) and meet entry requirements&lt;br&gt;• Double-check graduation and college entrance requirements to be sure you are on track with both&lt;br&gt;• Become familiar with the questions asked on applications that require essays</td>
<td>• SAT with Essay administered in April (required for Illinois students)&lt;br&gt;• PSAT offered in October at EHS (optional)&lt;br&gt;• ACT offered in October, December, February, April, &amp; June (optional). These are National Test dates for NCAA scholarships. See the ACT website <a href="http://www.act.org">www.act.org</a> for specific dates and locations.&lt;br&gt;  • <strong>ASVAB</strong> (optional)</td>
<td>• Research colleges and other post-secondary educational institutions that will meet your career objectives and financial requirements. Resources include: parents, counselors, alumni, friends, websites, college fairs, brochures, college representatives&lt;br&gt;• Plan to visit colleges second semester, summer, or first semester of senior year&lt;br&gt;• Try to narrow your selections to 5-8 from which to choose and apply&lt;br&gt;• Encourage your parents to attend the financial aid seminar</td>
</tr>
<tr>
<td>Seniors</td>
<td>• Continue to take the most challenging courses you can&lt;br&gt;• Choose electives that support your possible career(s) and meet graduation and entry requirements</td>
<td>• Retake ACT/SAT in fall (optional)&lt;br&gt;  • ACT in September, October, &amp; December&lt;br&gt;  • SAT I &amp; SAT II in October, November, December, &amp; January&lt;br&gt;• Take Advanced Placement Tests in May (optional)&lt;br&gt;• <strong>ASVAB</strong> (optional)</td>
<td>• Line up at least three letters of recommendation from people who know you well&lt;br&gt;• Apply early to the selected colleges and/or career training centers...watch deadlines&lt;br&gt;• Make sure your applications are complete&lt;br&gt;• Apply for scholarships and financial aid</td>
</tr>
</tbody>
</table>
# Recommended Guide for Academic Preparation

## Requirements for College Entrance

<table>
<thead>
<tr>
<th>Academic Areas</th>
<th>District 7 Graduation Requirements*</th>
<th>Community College Career Programs, Vocational Schools</th>
<th>4-year Colleges and Universities</th>
<th>Highly Selective Colleges and Universities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td>4 years</td>
<td>4 years</td>
<td>4 years: Emphasis on literature and written/oral communication</td>
<td>4 years: Emphasis on literature and written/oral communication</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td>3 years</td>
<td>3 years</td>
<td>3-4 years: Algebra, Geometry, Algebra 2, Trig/Pre-calculus</td>
<td>4 years recommended through Calculus</td>
</tr>
<tr>
<td><strong>SCIENCE</strong> (Laboratory Sciences)</td>
<td>2 years</td>
<td>2 years</td>
<td>3 years recommended: Core areas of Biology, Chemistry, and Physics</td>
<td>4 years recommended: Core areas of Biology, Chemistry, and Physics</td>
</tr>
<tr>
<td><strong>SOCIAL STUDIES</strong></td>
<td>2 years: US History, Civics, and World Geography</td>
<td>2 years</td>
<td>3 years: Emphasis on History and Government</td>
<td>3-4 years: Requirements vary</td>
</tr>
<tr>
<td><strong>WORLD LANGUAGES</strong></td>
<td>1 year OR Vocational Education OR FineArts</td>
<td>None required</td>
<td>2 years**</td>
<td>2-4 years</td>
</tr>
<tr>
<td>** VOCATIONAL EDUCATION or FINE ARTS**</td>
<td>1 year OR World Language</td>
<td>None required</td>
<td>2 years** may include: Applied Tech, Art, Music, Business Education</td>
<td>1 year recommended</td>
</tr>
</tbody>
</table>

* Additional District 7 requirements include: Health, Consumer Education, Driver Education, Physical Education***, and 5.5 additional academic credits
** 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.
*** Any junior or senior who wishes to take an additional academic class and meets state requirements may request to be excused from physical education by having a waiver signed by his/her parent or guardian.

The chart above 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 into each year.** College preparatory subjects are: English, mathematics, science, social studies, and foreign 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 grade point average (GPA) in these courses, and the student's scores on standardized admissions tests (SAT & ACT).

**ATHLETES:** Courses with the [NCAA](https://www.nCAA.org) symbol are NCAA-approved courses.

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Summer School 2021

In order to facilitate a student’s course of study for the 2021-2022 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: Summer school begins June 7 and ends on July 16

REGISTRATION INFORMATION
Complete registration is available at the high school and District 7 Central Office (Hadley House). Actual seats are assigned for complete registrations only. Registration is complete when all registration forms and payment are received at the District 7 Central Offices at Hadley House. Students currently on free and reduced lunch will not be denied the opportunity to attend summer school if unable to pay fees. All registrations will be confirmed.

A complete listing of summer courses will be available in the Guidance Office and on the high school website www.ecusd7.org/ehs by mid-January. The following courses may be offered:

- Civics
- World Geography
- Classroom Driver Education
- Quarter P.E.
- Health
- Research & Analysis of Sports in Literature/Literary Non-Fiction
- US History (first semester and second semester)
- Medieval World History
- Consumer Education
Student Support Resources

THE EHS WRITING CENTER is staffed at various times during the week with English teachers who assist students with developing writing assignments such as research papers, essays, and lab reports as well as answering questions related to grammar or research resources. Students may attend the Writing Center on a drop-in basis before and after school, or as a small group from a class. Honors students, students with special needs, and all grade levels of students visit the Writing Center for support as needed.

TUTORING in English and math are available after school (2:00-3:00 p.m.) and math tutoring may be available before school on certain days (6:30-7:15 a.m.) 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, the first week of December. 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.

THE EHS HANDBOOK AND PLANNER is provided to each student. It is an organizational tool designed to assist students in recording and planning their work and other school activities.

CREDIT RECOVERY PROGRAM - Only those students who are deficient in credits and are at risk of not graduating with their class 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.

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 web site at www.ecusd7.org/ehs/Guidance. 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**
- Three years of the following:
  - **Mathematics** (Algebra I, Geometry, and Algebra II)
  - **Social Science** (Courses such as Civics, World History, and U.S. History)
  - **Science** (Biology, Chemistry, and Physics)
  - **Foreign Language/Fine Arts** (Varies from one college to another)

HIGHLY SELECTIVE INSTITUTIONS (University of Illinois, Northwestern University, Washington University)

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 most 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 you and your 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 Foreign 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.

Core-Course Requirement
Complete 16 core courses in the following areas:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Math (Algebra I or higher)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Natural/Physical Science (including one year of lab, if offered)</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Additional</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Additional Courses (may include, but not limited to, foreign language or composition, religion/philosophy)</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

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 2.000.
- 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.

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.
Test Scores

If a student plans to attend an NCAA Division I college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division I requirements. A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of 9999 to send their scores directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts CANNOT be used in an academic certification.

### Division I Full Qualifier Sliding Scale

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT*</th>
<th>ACT Sum*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.550</td>
<td>400</td>
<td>37</td>
</tr>
<tr>
<td>3.525</td>
<td>410</td>
<td>36</td>
</tr>
<tr>
<td>3.500</td>
<td>430</td>
<td>39</td>
</tr>
<tr>
<td>3.475</td>
<td>440</td>
<td>40</td>
</tr>
<tr>
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<td>2.775</td>
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</table>

*Final concordance research between the new SAT and ACT is ongoing.

### Division I Full Qualifier Sliding Scale

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT*</th>
<th>ACT Sum*</th>
</tr>
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<tbody>
<tr>
<td>2.750</td>
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<td>86</td>
</tr>
</tbody>
</table>

*NCAA is a trademark of the National Collegiate Athletic Association.

September 2019
**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.

### Core-Course Requirement
Complete 16 core courses in the following areas:

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH (Algebra I or higher)</th>
<th>NATURAL/PHYSICAL SCIENCE (excluding one year of lab, if offered)</th>
<th>ADDITIONAL (English, math or natural/physical science)</th>
<th>SOCIAL SCIENCE</th>
<th>ADDITIONAL COURSES (may accelerated to the fall, foreign language or composition, religion/philosophy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 years</td>
<td>2 years</td>
<td>2 years</td>
<td>3 year</td>
<td>2 years</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### 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.

**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 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.**
### Test Scores

If a student plans to attend an NCAA Division II college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division II requirements.

A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

#### Core GPA | SAT* | ACT Sum*
--- | --- | ---
3.300 & above | 400 | 37
3.275 | 410 | 36
3.250 | 430 | 39
3.225 | 440 | 40
3.200 | 460 | 41
3.175 | 470 | 41
3.150 | 490 | 42
3.125 | 500 | 42
3.100 | 520 | 43
3.075 | 530 | 44
3.050 | 550 | 44
3.025 | 560 | 45
3.000 | 580 | 46
2.975 | 590 | 46
2.950 | 600 | 47
2.925 | 620 | 47
2.900 | 630 | 48
2.875 | 650 | 49
2.850 | 660 | 49
2.825 | 680 | 50
2.800 | 690 | 50
2.775 | 710 | 51
2.750 | 720 | 52
2.725 | 730 | 52
2.700 | 740 | 53
2.675 | 750 | 53
2.650 | 750 | 54
2.625 | 760 | 55
2.600 | 770 | 56
2.575 | 780 | 56
2.550 | 790 | 57
2.525 | 800 | 58
2.500 | 810 | 59
2.475 | 820 | 60
2.450 | 830 | 61
2.425 | 840 | 61
2.400 | 850 | 62
2.375 | 860 | 63
2.350 | 860 | 64
2.325 | 870 | 65
2.300 | 880 | 66
2.275 | 890 | 67
2.250 | 900 | 68
2.225 | 910 | 69
2.200 | 920 | 70 & above

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*Final concordance research between the new SAT and ACT is ongoing.*

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**NCAA** is a trademark of the National Collegiate Athletic Association. September 2019
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 freshman 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 CoreCourseGPA.com to assist them in tracking their NCAA Initial-Eligibility progress.

Activate your free CoreCourseGPA.com membership:

1. Go to www.CoreCourseGPA.com
2. Click on “Free New Member Account” in the upper left corner
3. Enter School ID: 141735
4. Enter School Code: 733800919
5. Click “Continue”
6. Fill in the appropriate fields in the Create New Student Account form
7. Click “Submit”

I understand that tracking NCAA DI/DII Initial-Eligibility requirements is the responsibility of parents and student-athletes. I further understand that Edwardsville High School has provided me with access to a free account with CoreCourseGPA.com 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 web site at http://www.collegeboard.com/splash.

The AP courses currently offered at EHS are:

**Business & Applied Tech**  AP Macroeconomics  AP Microeconomics

**English**  AP English – Literature & 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), Edwardsville High School offers over 25 dual credit courses. A course identified as dual credit has undergone a rigorous matching of curricula from both District 7 and the college/university and 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, at no cost to the students, parents, or District 7.

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 in order to receive credit. The EHS administration will approve all students enrolled in LCCC dual credit courses. For courses through LCCC, 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 students 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 are either transfer credit or career credit:**

- Transfer Credit—Transfer credit courses are equivalent to lower-division baccalaureate study (e.g., freshman & sophomore) and are generally articulated for transfer to most colleges and universities. Students are responsible for sending their dual credit transcripts from LCCC.

- Career Credit—Career credit courses are technical and applied courses that are designed to meet the requirements for an occupational degree or certificate program. Although these courses are not generally designed for transfer, some may be articulated with colleges and universities and used to meet lower-division baccalaureate requirements.

*The following courses may be dual credit courses with LCCC for the 2020-2021 school year at Edwardsville High School:
<table>
<thead>
<tr>
<th>Edwardsville H.S. Course Name</th>
<th>Lewis &amp; Clark Course Number &amp; Title</th>
<th>Credit Hours</th>
<th>Transfer or Career Credit</th>
<th>Required College Placement Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Concepts &amp; Software Applications</td>
<td>OTEC 151 Intro to Computer Skills</td>
<td>3</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>AP Macroeconomics</td>
<td>ECON 151 Principles of Macroeconomics</td>
<td>3</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>AP Microeconomics</td>
<td>ECON 152 Principles of Microeconomics</td>
<td>3</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>Honors French 3</td>
<td>FREN 131 Elementary French I</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td></td>
<td>FREN 132 Elementary French II</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>Honors French 4</td>
<td>FREN 231 Intermediate French I</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td></td>
<td>FREN 232 Intermediate French II</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>Honors German 3</td>
<td>GERM 131 Elementary German I</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td></td>
<td>GERM 132 Elementary German II</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>Honors German 4</td>
<td>GERM 231 Intermediate German I</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td></td>
<td>GERM 232 Intermediate German II</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>Honors Spanish 4</td>
<td>SPAN 231 Intermediate Spanish I</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td></td>
<td>SPAN 232 Intermediate Spanish II</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>College Composition</td>
<td>ENGL 131 First Year English I</td>
<td>3</td>
<td>Transfer</td>
<td>Reading = 75 Sent Skills = 90</td>
</tr>
<tr>
<td>Honors English Literature</td>
<td>ENGL 132 First Year English II</td>
<td>3</td>
<td>Transfer</td>
<td>Prerequisite ENGL 131</td>
</tr>
<tr>
<td>AP Calculus AB</td>
<td>MATH 171 Calculus &amp; Analytic Geometry 1</td>
<td>5</td>
<td>Transfer</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
<tr>
<td>AP Calculus BC</td>
<td>MATH 171 Calculus &amp; Analytic Geometry 1</td>
<td>5</td>
<td>Transfer</td>
<td>Reading = 75 Math = 48</td>
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<tr>
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<td>MATH 172 Calculus &amp; Analytic Geometry 2</td>
<td>5</td>
<td>Transfer</td>
<td>Reading = 75 Math = 48</td>
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<tr>
<td>AP Statistics</td>
<td>MATH 235 Statistics</td>
<td>4</td>
<td>Transfer</td>
<td>Reading = 75 Math = 48</td>
</tr>
</tbody>
</table>
## College Credit Opportunities

<table>
<thead>
<tr>
<th>Edwardsville H.S. Course Name</th>
<th>Lewis &amp; Clark Course Number &amp; Title</th>
<th>Credit Hours</th>
<th>Transfer or Career</th>
<th>Required College Placement Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interrelated Co-op</td>
<td>CDEV 130 Career Development</td>
<td>3</td>
<td>Transfer</td>
<td>No Test Needed</td>
</tr>
<tr>
<td>Networking Technology</td>
<td>CNET 132 Computer Intro to Computer Networking</td>
<td>3</td>
<td>Career</td>
<td>Reading = 45</td>
</tr>
<tr>
<td></td>
<td>CNET 148 Network Technology I</td>
<td>3</td>
<td>Career</td>
<td>GPA = 2.3+</td>
</tr>
<tr>
<td>PC Repair &amp; Maintenance</td>
<td>CNET 154 PC Servicing and A+ Preparation</td>
<td>4</td>
<td>Career</td>
<td>Reading = 45 GPA = 2.3+</td>
</tr>
<tr>
<td>PC Operating Systems</td>
<td>CNET 142 Operating System Technologies for A+</td>
<td>3</td>
<td>Career</td>
<td>Reading = 45 GPA = 2.3+</td>
</tr>
<tr>
<td>Intro to Drafting</td>
<td>DRFT 131 Fundamentals of General Drafting</td>
<td>3</td>
<td>Career</td>
<td>Reading = 45 GPA = 2.3+</td>
</tr>
<tr>
<td>Programming In JAVA — Honors and Regular</td>
<td>CIS 210 Introduction to JAVA Programming</td>
<td>3</td>
<td>Career</td>
<td>Reading = 45 GPA = 2.3+</td>
</tr>
<tr>
<td>Medical Occupations</td>
<td>HLTH 120 Medical Terminology</td>
<td>3</td>
<td>Career</td>
<td>Reading = 75 GPA = 2.7+</td>
</tr>
</tbody>
</table>
# Dual Credit Example

**Example**

Here is an example of how an Edwardsville High School student who takes advantage of the transferable dual credit courses can leave high school with at least one-year of college completed at no cost.

<table>
<thead>
<tr>
<th>Edwardsville H.S. Course Name</th>
<th>Lewis &amp; Clark Course Number &amp; Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Concepts &amp; Software Applications</td>
<td>OTEC 151 Intro to Computer Skills</td>
<td>3</td>
</tr>
<tr>
<td>AP Macroeconomics</td>
<td>ECON 151 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AP Microeconomics</td>
<td>ECON 152 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AP Calculus AB</td>
<td>MATH 171 Calculus &amp; Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>AP Statistics</td>
<td>MATH 235 Statistics</td>
<td>4</td>
</tr>
<tr>
<td>Honors French 3 or Honors German 3</td>
<td>FREN 131 Elementary French I or GERM 131 Elementary German I</td>
<td>4</td>
</tr>
<tr>
<td>Honors French 4 or Honors German 4 or Honors Spanish 4</td>
<td>FREN 132 Elementary French II or GERM 132 Elementary German II or SPAN 131 Intermediate Spanish I</td>
<td>4</td>
</tr>
<tr>
<td>College Composition</td>
<td>ENGL 131 First Year English I</td>
<td>3</td>
</tr>
<tr>
<td>Honors English Literature</td>
<td>ENGL 132 First Year English II* *Prerequisite ENGL 131</td>
<td>3</td>
</tr>
<tr>
<td>Interrelated Coop</td>
<td>CDEV 130 Career Development</td>
<td>3</td>
</tr>
<tr>
<td>Medical Occupations (2)</td>
<td>Health 120 Medical Terminology</td>
<td>3</td>
</tr>
</tbody>
</table>

*These courses may be dual credit with Lewis and Clark Community College for the 2020-2021 school year.*
## Business & Applied Technology Departments

Craig Colbert, Department Chair

<table>
<thead>
<tr>
<th>Grade</th>
<th>9-12</th>
<th>10-12</th>
<th>11-12</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health &amp; Human Services Related Courses</td>
<td>Health &amp; Medical Careers Foods &amp; Nutrition* Child Development</td>
<td>Medical Occupations 1 Culinary Arts Early Childhood Occupations 1 (ECHO 1)</td>
<td>Medical Occupations 2 Early Childhood Occupations 2 (ECHO 2)</td>
<td>Interrelated Co-op (Applied Tech)</td>
</tr>
<tr>
<td>Trade Related Courses</td>
<td>Intro to Drafting Intro to Industrial Technology</td>
<td>Honors Architectural Drafting Computer Aided Drafting</td>
<td></td>
<td>Interrelated Co-op (Applied Tech)</td>
</tr>
<tr>
<td>Agricultural Related Courses</td>
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* Semester Courses
Business & Economics Related Courses

11000 Business & Economics
Grades: 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

12000 Accounting 1
Grades: 10, 11, 12
Credit: 1.0
Accounting 1 offers students the basic fundamentals necessary for keeping a set of books including determining profits and losses and preparing financial statements for a 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

13033 Honors International Business
Prerequisite: Business & Economics suggested but not required
Grades: 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
Grades: 11, 12
Credit: 0.5
This semester 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.

13203 Principles of Law
Prerequisite: None
Grades: 11, 12
Credit: 0.5
Principles of Law is offered to familiarize students with basic rules of law and the legal vocabulary for court systems, crimes and torts, law and society, rights and duties 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.
13330 Honors Accounting 2
Prerequisite: Accounting 1
Grades: 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. Regional Course Codes for Accounting 2: B303 & B304

13332 AP Microeconomics
Prerequisite: Cumulative GPA 3.0
Grade 12
Credit 0.5
This course is offered first semester only. This course allows students a chance to enhance their basic understanding 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.

13331 AP Macroeconomics
Prerequisite: Microeconomics and Cumulative GPA 3.0
Grade 12
Credit 0.5
This course is offered second semester only. This course is designed for students to understand essential economics concepts. 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.

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.

14300 Interrelated Cooperative Education — Sales & Service
Prerequisites: Keyboarding & Document Formatting
Grade: 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 class - room 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
14500 Office Systems Cooperative Education

Prerequisites: Keyboarding & Document Formatting

Grade: 12
Credit: 2.0

This two-credit cooperative education class is designed to meet the needs of students preparing for an office-related career. Students enrolled in this program receive one credit for on-the-job training and one credit for the related class. Students attend a half-day of classes and work the other half-day. Students are paid at least minimum wage. The average work week is 15-20 hours. Application of different software packages such as Word, Excel, Access, and PowerPoint are emphasized throughout the course. Business ethics, problem solving, teamwork, and use of technology are emphasized. Dual credit through Lewis & Clark Community College may be an option for those who qualify. Regional Course Codes for Office Systems Co-op: B401 & B402

Trade & Agriculture-Related Courses

11800 Introduction to Industrial Technology

Grades: 10, 11, 12
Credit: 1.0

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

11900 Introduction to Agricultural/Horticultural Science

Grades: 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

12400 Introduction to Drafting

Grades: 10, 11, 12
Credit: 1.0

The students will be involved in sketching and drawing geometric shapes, orthographic views and sectional views. The use of a computer as a drafting tool is introduced through computer aided drafting (CAD) software. Employability skills and advanced educational opportunities will also be covered in this course. Career opportunities in the trades, computer aided drafting and engineering will also be covered in this course. Regional Course Codes for Introduction to Drafting: C211 & C212
12700 Basic Agricultural Mechanics

Prerequisite: Introduction to Industrial Technology or Introduction to Agricultural/Horticultural Science
Grades: 10, 11, 12
Credit: 1.0
This course concentrates on the mechanics and service component 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.

14730 Honors Architectural Drafting

Prerequisite: Introduction to Drafting  Grades: 11, 12
Credit: 1.0
This skill level course is for students with established drafting and CAD skills to develop an understanding of Architectural Drafting as it applies to residential construction. Studies will include design theory, residential planning, construction techniques, building technology, and print development. Students will produce and detail a set of house plans and participate in building a scale model house. Employability skills and advanced educational opportunities will also be covered in this course. Regional Course Code for Honors Architectural Drafting: D303 & D304

15000 Horticultural Production & Management

Prerequisite: Introduction to Agricultural/Horticultural Science  Grades: 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

15100 Agricultural Business Management

Prerequisite: Introduction to Industrial Technology or Introduction to Agricultural/Horticultural Science
Grades: 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. 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.
15300 Interrelated Cooperative Education — Applied Technology

Grade: 12  
Credit: 2.0
The Applied Tech Interrelated Co-op is a work-training program for seniors interested in careers related to agriculture, the trades, industrial, and healthcare occupations. Students gain valuable on-the-job training at a paid part-time job in their field of interest. Students may be allowed afternoon release periods if their schedule permits. Classroom instruction focuses on career exploration and covers topics related to success in the world of work. A qualified vocational coordinator is responsible for the supervision of student workers and a training plan will be developed for each work-training station. Regional course codes for Interrelated Cooperative Education: X401 & X402

15400 Veterinary Technology

Prerequisite: Biology or Animal Science/Plant Science
Grades: 11, 12  
Credit: 1.0
This course will develop students’ understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistant, and animal nutrition lab technician. 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.

15401 Animal Science

Prerequisite: Introduction to Agriculture or a C or better in Life 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.

15402 Plant Science

Prerequisite: Introduction to Agriculture or a C or better in Life Science
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.
15500 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, turfgrass 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

Grades: 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. Dual credit through Lewis & Clark Community College may be an option for those who qualify. Regional Course Code for Keyboarding & Document Formatting: B101

11203 Web Page Design

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

Grades: 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

Grades: 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, databases, and presentation packages. Windows 7 and Office 2010 are the software packages used. Dual credit through Lewis & Clark Community College may be an option for those who qualify. Regional Course Code for computer Concepts & Software Applications: B107
11302 Advanced Software Applications
Prerequisite: Computer Concepts & Software Applications
Grades: 9, 10, 11, 12
Credit: 0.5
This course is designed to provide further practice, reinforcement, and mastering of the concepts learned in Computer Concepts and Software Applications A. The course content will cover business applications from simple to complex and will challenge the student to solve information problems through the use of Office 2010. Regional Course Code for Advanced Software Applications: B108

13703 Multimedia Presentations
Prerequisite: Web Page Design
Grades: 10, 11, 12
Credit: 0.5
Multimedia Presentations is a web-based course. Students learn to create animated websites using Adobe Creative Suite authoring software. Students use digital photography/digital cinematography in developing the skills needed in the 21st century web-based environment. Application software includes Macromedia Flash CS4, Fireworks CS4, and Premier Pro CS4. Regional Course Code for Multimedia Presentations: B359

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.
Grades: 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 microcomputers 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 and also take PC Operating Systems.

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
Grades: 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 configuration. 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 also take PC Repair & Maintenance. Regional Course Code for PC Operating Systems: B356

13400 Networking Technology
Prerequisite: 2.0 GPA
Grades: 11, 12
Credit: 2.0
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. Regional Course Code for Networking Technology: N314 & N315.
**14700 Computer Aided Drafting**

Prerequisite: Introduction to Drafting  
Grades: 11, 12  
Credit: 1.0  
This course is designed to provide students who have a basic understanding of drafting the opportunity to use a CAD system as the primary drafting tool. The focus will be on learning the computer-aided drafting command process to produce drawings and representations most common to the drafting field. Units of study will include planning and organizing activities, performing basic layouts, detailing drawings, producing structural working drawings, producing civil engineering drawings, and plotting techniques. Instruction emphasizes the development of skills essential for further education and employment opportunities. Dual credit through Lewis & Clark Community College may be an option for those who qualify. Regional Course Code for Computer Aided Drafting: D301 & D302

**Collinsville Area Vocational Center**

Enrollment for the Collinsville Area Vocational Center course is open to junior and senior students. Student 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 busses 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.

**16000 Auto Body Repair 1-CAVC**  
Grade: 11, 12  
Credit: 3.0

**17000 Auto Body Repair 2-CAVC**  
Grade: 12  
Credit: 3.0

This course provides training in refinishing automobile bodies, including realignment of the chassis, reconstruction of components and repainting to restore vehicles to their original condition. Students will be instructed in the fundamental aspects to auto body repair methods and techniques. Instruction will emphasize safety principles and practices, auto body nomenclature, function of individual components, the use of part of plastic/glass fillers and special body repair tools, refinishing problems and paint preparation procedures. Practical activities should relate to removing and installing body panels, trim and glass. Students learn to prime the area to be painted and prepare the surface for final paint application. These activities and skills will be related to fiberglass, metal, or urethane components.
**16000 Automotive Maintenance 1-CAVC**

Grade: 11, 12  
Credit: 3.0

**17100 Automotive Maintenance 2-CAVC**

Grade: 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 class is 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 maintenance aspects of modern vehicles. The cars we work on are school cars, student cars, 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 machine as needed. When the engine is assembled the fuel and ignition systems will be installed and the engine is test ran on a stand. The students will learn all procedures involving an engine re-build. They will be able to apply their skills to diagnose engine problems. Automotive Maintenance Technology 2 will bring all prior learned knowledge together turning it into diagnostic skills. 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. Transmissions, four wheel drive and differentials will be covered next. Students will also learn the business part of the automotive industry including billing and customer service.

**16200 Building Trades 1-CAVC**

Grade: 11, 12  
Credit: 3.0

**17200 Building Trades 2-CAVC**

Grade: 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; dry wall applications and finishing; observe and demonstrate installation of plumbing fixtures/systems; observe and discuss installation of electrical fixtures. Building concepts and procedures; local, state, and national codes; cost estimating; and blueprint reading is also included. Depending on enrollment, the first year is typically spent in the building trade shop learning the basis of home construction. Second year students spend the majority of time building a house. If enrollment dictates, these classes are occasionally combined. In that case, instruction takes place. 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.
16300 Criminal Justice 1-CAVC
Grade: 11, 12
Credit: 3.0

17300 Criminal Justice 2-CAVC
Grade: 12
Credit: 3.0
This course is an introductory course which prepares students to enter the field of law enforcement in any related area. The study includes the criminal justice system and its major components. The criminal justice process includes history, philosophy and current practice in the administration of justice in a democratic society. This course will also examine the history, current status, and trends in the police field operations. A critical review of research on police effectiveness, deployment of personnel and delivery of services is accomplished. Police integrity standards and hard choice issues concerning police discretion, legality, and morality in police methods are delineated.

16400 Electronics 1-CAVC
Grade: 11, 12
Credit: 3.0

17400 Electronics 2-CAVC
Grade: 12
Credit: 3.0
The purpose of this course is to provide the students with a broad background in the theory and applications of the exciting field of electronics. Emphasis is placed upon applying theory to practical laboratory learning experience and safety practices. This incorporates the use and application of electronic test equipment, an Electronic CAD (Computer Aided Design) System, and soldering tools. Students will learn to perform complete electrical analysis of complex dc and ac circuits consisting of resistors, capacitors, and inductors connected in various series, parallel, and series-parallel configurations.

16500 Project Lead the Way Engineering 1-CAVC
Grade: 11, 12
Credit: 3.0

17500 Project Lead the Way Engineering 2-CAVC
Grade: 12
Credit: 3.0
Vocational PLTW The vocational PLTW program will combine the two foundation courses into a one year course for the first year student (Juniors or Seniors) and two additional courses into a one year course for second year students (Seniors who have completed the first year).
16600 Precision Machining Technology 1-CAVC
Grade: 11, 12
Credit: 3.0

17600 Precision Machining Technology 2-CAVC
Grade: 12
Credit: 3.0

This course will place strong emphasis on machine operations, basic bench procedures, layout, measurements, metallurgy and heat treatment of tool steel. Computer Numerical Control (CNC) programming and machining will be introduced. Job opportunities and work related skills needed in the machining career field are taught throughout the course.

16700 Welding Technology 1-CAVC
Grade: 11, 12
Credit: 3.0

17700 Welding Technology 2-CAVC
Grade: 12
Credit: 3.0

Students develop skills for welding processes such as Shield Metal Arc Welding, Gas Metal Arc Welding, and Flux Core Arc Welding and gain experience in out of position welding. Students would need to take only 1 additional class (Blueprint Reading) at/through SWIC to earn the first of the 3 available Welding Technology certificates. Additionally, students that excel in welding skills and are proficient, (at their own cost) may choose to attempt American Welding Society certification through available testing facilities. This class partners with Southwestern Illinois College to provide dual college credit to our students.

16800 Food Services 1-CAVC
Grade: 11, 12
Credit: 3.0

17800 Food Services 2-CAVC
Grade: 12
Credit: 3.0

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 commercial food service equipment, planning meals, and serving food. Safety and sanitation are emphasized. Training experiences involve equipment and facilities which simulate all types of food service work and the actual operation of a restaurant in areas of cooking, wait person, cashier, and quantity food preparation. Information regarding career opportunities in the food service industry is included. Second year students undertake the management responsibilities of kitchen supervisor, menu planner, buyer, and head chef.
Health & Human Services Related Courses

11400 Health & Medical Careers
Grades: 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.*

11600 Child Development
Grades: 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.

12100 Medical Occupations 1
Prerequisite: B in Health & Medical Careers
Grades: 10, 11, 12
Credit: 0.5 per semester
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 the job-shadowing. Activities are also included to help students develop study skills and job related skills. Students who have 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 also have the opportunity to volunteer at BJC and other health care facilities*
13900 Medical Occupations 2
Prerequisite: B in Medical Occupations 1
Grades: 11, 12
Credit: 1.0
This two-semester course allows for 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.

11503 Food & Nutrition
Grades: 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 prepared. Both classroom and laboratory experiences provide students with the basic food preparation skills for a healthy lifestyle. Information related to careers in foods and nutrition is incorporated throughout the course. Regional Course Code for Foods & Nutrition: H104.

12200 Culinary Arts
Prerequisite: Foods & Nutrition
Grades: 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.

12300 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’s 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.
14600 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 have the opportunity to 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

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.

00500 CEO (Creating Entrepreneurial Opportunities through the Midland Institute)
Grade: 11 & 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.

00600 ILCJATP (Illinois Laborers' & Contractors Joint Apprenticeship & Training Program)
Grade: 11 & 12
Credit: 2 credits (Applied Technology Elective credit)

The Construction Craft Preparation Program will provide educational activities both within the classroom and within an actual supervised work setting, allowing the students to become more knowledgeable and competent in the skills of a Construction Craft Laborer. Planned learning experiences will allow the students to gain knowledge of the basic fundamental principles of a Construction Craft Laborer and allow them to develop basic technical skills in many different areas. High school students enter the program at the beginning of their junior year with completion at the end of their senior year. Classes are held at the ILCJATP's Edwardsville facility. Each student is responsible for their own transportation to and from the facility. There will be two instructors present during class, who are current ILCJATP accredited.
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.

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<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tr>
<td>English Electives Not for English Credit</td>
<td>Debate* Public Speaking*</td>
<td>Debate* Public Speaking*</td>
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*Semester Courses
English Credit Courses

21200 Freshman Literature & Composition [R]  NCAA

Grade: 9
Credit: 1.0
Freshman Literature and Composition is a full-year course 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.

21230 Honors Freshman Literature & Composition [R]  NCAA

Prerequisite: Teacher Recommendation
Grade: 9
Credit: 1.0
Honors Freshman Literature & Composition is designed for 9th grade students who excel in English. Although the literary genres and modes of writing parallel those of Freshman Literature & Composition, 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.

21100 Journalism I [R]  NCAA

Prerequisite: B in English
Grades: 10, 11, 12
Credit: 1.0
Journalism 1 is a full-year course. 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: Freshman Literature and Composition, Sophomore World Literature, or Junior American Literature. The second semester requires a research paper.

22000 Sophomore World Literature [R]  NCAA

Prerequisite: Freshman Literature & Composition
Grade: 10
Credit: 1.0
Sophomore World Literature is a year-long course required for tenth grade students. A variety of cultures and geographic regions are explored through the literature and time periods. First semester, students examine universal human questions and significant literary works from a variety of cultures. Second semester, students explore satire and the heroic quest. Students continue to develop reading skills, literary analysis skills, and writing skills. Writing experiences are linked to the reading selections. A formal research paper is required second semester. An informal research presentation may also be required.

22030 Honors Sophomore World Literature [R]  NCAA

Prerequisite: Honors Freshman Literature & Composition, Teacher Recommendation
Grade: 10
Credit: 1.0
Honors Sophomore World Literature is designed for 10th grade students who excel in English. Although the literary genres and modes of writing parallel Sophomore World Literature, this course is fast-paced and demanding. Emphasis is placed on writing using appropriate grammar, mechanics, and spelling. Second semester requires an analytical research paper and an informal research presentation may also be required.
22230 Advanced Journalistic Composition [R]  

Prerequisite: Journalism 1 (or permission of the instructor) and a B in English
Grades: 11, 12*
Credit: 1.0
AJC is a year-long, honors-level course and 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 prepare 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.
* 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.
*As with Journalism 1, AJC does NOT replace required English courses (e.g., Junior American Literature).

23900 Junior American Literature [R]  

Prerequisite: Sophomore World Literature
Grades: 11
Credit: 1.0
Junior American Literature is a full-year course required for 11th grade students. The first semester surveys American literature from the colonial period through 1865; it includes selections from the anthology and two complete works of literature. Second semester, students continue to survey American literature from 1865 to the present, including selections from the anthology 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.

23930 Honors Junior American Literature [R]  

Prerequisite: Honors Sophomore World Literature, Teacher Recommendation
Grades: 11
Credit: 1.0
Honors Junior American Literature is a full-year course 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 three complete works of literature. The second semester continues to survey American literature from 1865 through the present, including selections from the anthology and a minimum of three 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 literature-based research paper.

23200 English Literature [R]  

Prerequisite: Sophomore World Literature
Grades: 11, 12
Credit: 1.0
English Literature is a full-year course. 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.
23230 Honors English Literature [R] NCAA

Prerequisite: Honors Junior American Literature, Teacher Recommendation
Grades: 11, 12
Credit: 1.0
Honors English Literature is a full-year course 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 5-8 page 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.

23503 Contemporary Literature [R] NCAA

Prerequisite: Junior American Literature
Grades: 11, 12
Credit: .5
Contemporary Literature is a one-semester course. This course focuses on literary works in a contemporary framework (1950s to present) or modern voice that carry universal themes, many of which are adult in nature. Choices include One Flew Over the Cuckoo's Nest, A Prayer for Owen Meany, and Slaughterhouse Five, as well as others that exemplify movements such as Modern-ism, Postmodernism, Minimalism, Confessionalism, and the Beats. Students will respond to the themes and issues discussed in the literature within a personal context. Topics include family matters, self-actualization, coming of age, and conformity and rebellion. Writing experiences are linked to the literature and reader responses. Students successfully completing this course should develop a recognition of what distinguishes contemporary literature from the literature of other periods, as well as a grounding in the nature of the social circumstances and cultural conditions in which contemporary literature is produced. A research paper is required.

24703 Critical Thinking in Science Fiction NCAA

Prerequisite: Junior American Literature
Grades: 11, 12
Credit: .5
Critical Thinking in Science Fiction is a one-semester course 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: Junior American Literature
Grades: 11, 12
Credit: .5
Research and Analysis of Sports in Literature/Literary Non-Fiction is a one-semester course 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.
24300 Explorations in Reading and Writing [R]  NCAA

Prerequisite: Teacher Recommendation  
Grades: 11, 12  
Credit: 1.0  
Explorations in Reading and Writing is a full year course 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 the graphic novel. 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.

24203 College Composition [R]  NCAA

Prerequisite: Sophomore World Literature  
Grades: 11, 12  
Credit: .5  
College Composition is a one-semester course that 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.

23430 Advanced Placement English: Literature and Composition [R]  NCAA

Prerequisite: 3.0 GPA  
Grades: 12  
Credit: 1.0  
Advanced Placement English: Literature and Composition is a full-year course 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, fast-paced course. The first semester requires a literature-based research paper.

English Electives (Not for English Credit)

20001 Debate

Grades: 9, 10, 11, 12  
Credit: .5 (non-English credit)  
Debate is a one-semester course. 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

Grades: 9, 10, 11, 12  
Credit: .5 (non-English credit)  
Public Speaking is a one-semester course 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**

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<th>Grade</th>
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<th>Visual Arts</th>
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<td>Art &amp; Design*</td>
<td>Theatre Arts 1</td>
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<td>Percussion</td>
<td>Printmaking*</td>
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<td>Concert Orchestra</td>
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<td>Symphonic Orchestra</td>
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<td>Ceramics*</td>
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<td>Music Theory*</td>
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<td>10 - 12</td>
<td>Concert Choir II</td>
<td>Art History 1*</td>
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<td>Chamber Singers</td>
<td>Art History 2*</td>
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<td>Honors MPS – Band</td>
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*Semester Courses

**BAND**

**71000 Band**

Prerequisite: Enrolled in Band with access to instrument in good working condition  
Grades: 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 freshman or sophomore enrolled in marching band may request a waiver to be excused from a semester’s worth of physical education.

**71300 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 requirement
73330 Honors MPS* – Band
Prerequisite: Member of performance group and director’s recommendation
Grade: 11, 12
Credit: 1.0
These seminars 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.

*Music Performance Seminar

73300 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.
Grades: 12
Credit: 0.5
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.

ORCHESTRA

71200 Concert Orchestra
Prerequisite: Enrolled in Orchestra with access to instrument in good working condition
Grades: 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 on to the All-State Festival. The orchestra presents four to five concerts per year. Students must attend all dress rehearsals and concerts.

71100 Symphonic Orchestra
Prerequisite: Written recommendation via an audition. Student must be enrolled in Orchestra with access to instrument in good working condition
Grades: 9, 10, 11, 12
Credit: 1.0
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.
73430 Honors MPS* – Symphonic Orchestra  73530 Honors MPS*– Concert Orchestra

Prerequisite: Member of performance group and director’s recommendation
Grade: 11, 12
Credit: 1.0
These seminars 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.

*Music Performance Seminar

73400 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.
Grades: 12
Credit: 0.5
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

71400 Concert Choir 1

Prerequisite: None
Grade: 9, 10, 11, 12
Credit: 1.0
Concert Choir 1 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.

72000 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.

72100 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.
73630 Honors MPS* – Concert Choir 2  73730 Honors MPS* – Chamber Singers
Prerequisite: Member of performance group and director’s recommendation
Grade: 11, 12
Credit: 1.0
These seminars 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.

*Music Performance Seminar
73600 Honors Senior Seminar~ Choir
Prerequisite: Students enrolling in Senior Seminar classes must be outstanding seniors participating in band, choir, or orchestra. Prior experience in MPS classes is preferred.
Grades: 12
Credit: 0.5
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

GENERAL MUSIC
71503 Music Appreciation
Grades: 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
Grades: 9, 10, 11, 12
Credit: 0.5
This course is designed for music and non-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.

THEATRE ARTS
71600 Theatre Arts 1
Grades: 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.

72200 Theatre Arts 2
Prerequisite: Theatre Arts 1 or membership in the International Thespian Society
Grade: 10, 11, 12
Credit: 0.5, repeatable
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.
72230 Honors Theatre Arts 3
Prerequisite: Theatre Arts 1 or membership in the International Thespian Society
Grade: 11, 12
Credit: 0.5, repeatable
Students contract for four independently designed projects during the semester. Each project represents a minimum 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.

VISUAL ART

71703 Art & Design
Grades: 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
Grades: 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
Grades: 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: 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 included but are not limited to weaving, book-making, tie-dying & batik, knitting, crochet, soft sculpture, surface design, and paper arts.

71901 Ceramics
Prerequisite: Art & Design
Grades: 9, 10, 11, 12
Credit: 0.5
This course applies the elements and principles of art 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
Grades: 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, papier mache, found objects and mixed media assemblage.

72303 Painting
Prerequisite: Art & Design
Grades: 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 first semester.

72402 Art History 2 (Renaissance to 21st Century)
Grades: 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 second semester.

73031 AP Studio Art: Drawing (Sem. 1)
Prerequisite: Two years, including drawing and painting
Grades: 11, 12
Credit 0.5
This course is offered first semester only. AP Art Studio involves a significant commitment; therefore, it is designed for highly motivated students who are seriously interested in the study of art. The objective of this course is to allow students to develop their special interests in art and to create portfolio quality work in preparation for the college application process to study art at a post-secondary level. The creation of many of the required original works for inclusion in the AP Art Portfolio is the focus of this course.

73032 AP Studio Art: Drawing (Sem. 2)
Prerequisite: AP Studio Art Drawing (Sem. 1)
Grades: 11, 12
Credit 0.5
This course is offered second semester only. The purpose of this course is to assist students in finalizing portfolio work and creating the portfolio in preparation for the college application process to study art at a post-secondary level. This course is designed to meet Advanced Placement criteria. Typically, that includes the submission of a portfolio consisting of five original works of exceptional quality, slides of original works in an area of concentration showing development of a single artistic idea, and 12 slides of original art work showing a variety of approaches and breadth of technical skill. Students are expected to submit their AP Portfolio for evaluation.
Math Courses

8th Grade Courses
- PTA*

Middle School Algebra
- High School Algebra
  - Algebra 2A
    - Full Year Course
      - *Algebra 2B and *Trig Fundamentals

Middle School Algebra Accelerated
- Geometry
  - Honors Geometry
  - Algebra 2
    - Honors Algebra 2
      - *Trigonometry/ *Pre-Calculus
        - *Honors Trig/ *Honors Pre-Calculus

- Intro to Statistics
- AP Calculus AB
- AP Statistics
- AP Calculus BC

Programming Courses

Elective Courses
- Programming Fundamentals*
  - Programming in Java*
    - Honors Programming in Java*
  - Introduction to Robotics*
    - AP Computer Science Principles*
      - AP Computer Science

*Semester Courses
Math Department

Angela VanBuskirk, Department Chair

30000 High School Algebra 1  
Grades: 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.

30101 Particular Topics in Algebra
Grades: 9  
Credit: .5  
This course examines specific topics in algebra rather than providing an overview of algebra concepts. Specifically, Particular Topics in Algebra will include the study of solving and graphing linear equations and evaluating and solving equations with rational numbers. The topic discussions will include real world applications and modeling; technology, including graphing calculators and other cloud based applications and software.

30180 Principles in Algebra and Geometry
Grades: 9  
Credit: 1.0  
This course is designed specifically for students who access special education services and will combine the study of some pre-algebra and algebra topics with introductory geometry topics. Principles in Algebra and Geometry include the study of formulas, algebraic expressions, first degree equations and inequalities, the rectangular coordinate system, area, perimeter, and volume of geometric figures, and properties of triangles and circles.

31200 Geometry  
Prerequisite: Accelerated Middle School Algebra or D (or better) in High School Algebra  
Grades: 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.

31230 Honors Geometry  
Prerequisite: A in High School Algebra 1 with teacher recommendation or an A in Accelerated Middle School Algebra  
Grades: 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.
32200 Algebra 2 NCAA

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

32230 Honors Algebra 2 NCA

Prerequisite: C in Honors Geometry or an A in Geometry and teacher recommendation
Grades: 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 touched in High School Algebra 1, including in-depth analysis of functions, probability, matrices, trigonometry, and logarithms. Students are expected to develop a greater understanding of content through the use of technology, including graphing calculators and calculator-based lab studies of real data and situations.

32500 Algebra 2A NCA

Prerequisite: Geometry
Grades: 10, 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 1 and certain topics from Geometry. In addition to expanding on topics covered in High School Algebra 1, 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.

33202 Pre-calculus NCA

Prerequisite: C (or better) in either Algebra 2 or Algebra 2B
Grades: 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 use of graphing calculators.

33232 Honors Pre-calculus NCA

Prerequisite: C in Honors Trigonometry or teacher recommendation
Grades: 11, 12
Credit: .5
This semester class covers the Pre-calculus topics and more in-depth topics including rational, exponential, and logarithmic functions as well as analytic geometry and statistics. The graphing calculator, a quarterly project, and writing are incorporated. Limits, derivatives, and other basic calculus concepts are introduced.
33301 Trigonometry  NCAANCAA
Pre requisite: C (or better) in either Algebra 2 or Algebra 2B
Grades: 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.

33300 AP Calculus AB  NCAANCAA
Pre requisite: 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 are expected to take the AB version of the Advanced Placement Calculus test. Dual credit may be available for those who qualify.

3331 Honors Trigonometry  NCAANCAA
Pre requisite: C in Honors Algebra 2 or teacher recommendation
Grade: 11, 12
Credit: 0.5

This semester class is a thorough study of the trigonometric functions and uses a graphing calculator to develop and reinforce concepts. Real life applications and writing are incorporated, as well as a quarterly project. Extended topics include the trigonometric form of complex numbers and the polar form of the trigonometric functions.

33400 Algebra/Geometry 3  NCAANCAA
Pre requisite: Teacher Recommendation
Grade: 10, 11, 12
Credit: 1

This course is designed specifically for students who have been recommended by their teacher, counselor, or administrator. Algebra / Geometry 3 focuses on core topics from Algebra 1, Geometry, and Trigonometry including solving linear systems, matrices, and quadratics, probability and statistics, triangle proofs, similarity, quadrilaterals, right triangles, polynomials, and circles.

33400 AP Calculus BC  NCAANCAA
Pre requisite: 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 derivatives and integrals and their application. They also include the study of parametric functions, vector-valued functions, series and the Taylor polynomial. Students are expected to take the BC version of the Advanced Placement Calculus test. Dual credit may be an option for those who qualify.
**33500 Intro to Statistics**  
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.

**33501 Algebra 2B**  
Prerequisite: Algebra 2A  
Grades: 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.

**33530 AP Statistics**  
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.

**Programming Courses**

**33603 Programming Fundamentals**  
Prerequisite: One year of High School Algebra  
Grades: 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
Grades: 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. Dual credit may be available for those who qualify.

34133 Honors Programming In Java  [NCAA]

Prerequisite: A in Geometry or a B in any honors math class
Grades: 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. Dual credit may be available for those who qualify.

34430 AP Computer Science – Principles  [NCAA]

Prerequisite: Programming in Java or instructor’s consent
Grades: 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.

34330 AP Computer Science A  [NCAA]

Prerequisite: Enrolled in any honors math course, Programming in Java, or instructor’s consent
Grades: 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: One semester of Algebra 2
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 allow 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

Lori Blade, Department Chair

*All courses are one semester, except for Driver Ed. and Quarter PE, which are one-quarter courses.*

<table>
<thead>
<tr>
<th>Grade</th>
<th>PE Credit Course Options</th>
<th>Driver’s Ed &amp; Health Course Options</th>
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<tbody>
<tr>
<td>9 - 10 Required</td>
<td>Freshman PE &amp; Sophomore PE (a total of five quarters)</td>
<td>Health* OR Early Bird Health* Classroom Driver’s Ed**</td>
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<tr>
<td>11/12 Elective</td>
<td>junior/Senior PE *</td>
<td>Today’s Health*</td>
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<td>junior/Senior PE *</td>
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<td></td>
<td>Weight Training &amp; Conditioning 1*</td>
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<td></td>
<td>Weight Training &amp; Conditioning 2*</td>
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* Semester Courses  ** One-quarter course

41001 Physical Education (Sem. 1)*
41002 Physical Education (Sem. 2)*

Prerequisite: None
Grade: 9, 10
Credit: 1.0

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 a 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. 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.
Team sports will include but are not limited to soccer, field hockey, speedball, softball, basketball, volleyball, floor hockey, and team handball. Individual sports will include but are not limited to tennis, golf, weights and fitness, table tennis, dance, swimming, and physical fitness testing. Ninth and 10th grade students will have the opportunity to acquire CPR certification. Completing the CPR unit is a graduation requirement.

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 Physical Education.
Wellness (Quarter)**

Grade: 9, 10  
Credit: 0.25

Students are scheduled into the Wellness class according to their date of birth. This class will be scheduled within the same semester that students are scheduled for Driver Education class. The units within this class include Swimming and Water Safety, CPR, and other Wellness Activities. Completing the CPR unit is a graduation requirement and students may have the opportunity to be certified or re-certified in CPR while in this course.

41201 Health* (Sem. 1) or 41202 Health* (Sem. 2)
41261 Early Bird Health* (Sem. 1) or 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 STD's, and disease prevention.

43001 Junior/senior Physical Education* (First Semester)  
43002 Junior/senior Physical Education* (Second Semester)

Grade: 11, 12  
Credit: 0.5 per semester; 1.0 if taken for the entire year

Junior/Senior Physical Education builds on the freshman 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 (First Semester)  
43202 Weight Training And Conditioning 2 (Second Semester)

Grade: 11, 12  
Credit: 0.5 per semester; 1.0 if taken for the entire year

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 as a means to become physically active for a healthy lifestyle. We expect all students to keep their own safety and the safety of others in mind at all times. Grades will be based on attendance, proper dress, participation, physical tests, and written tests. Students are required to wear the EHS P.E. uniform.
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 as related to the 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.

Deep Water Aquatic Exercise Class
Prerequisite: Must pass Quarter P.E., the EHS swim unit, and a deep water swim test
Grade: 10, 11, 12
Credit: 0.25

The purpose of this quarter-long course is to provide students the opportunity to participate in alternative forms of water exercises to enhance their physical well-being and their water skills. This class will take place in deep water with the use of aqua jogging belts, noodles, and water dumbbells. The students will engage in a variety of pool exercises.

Advanced Swimming
Prerequisite: Must pass Quarter P.E., the EHS swim unit, and a deep water swim test
Grade: 10, 11, 12
Credit: 0.25

This quarter-long P.E. class is for students who want to gain extensive experience in the sport and activity of swimming. The topics covered will include a more advanced knowledge and practice of the four competitive strokes, reading pace clocks, understanding the rules of competitive swimming, turns, and other concepts related to competitive swimming.

Lifeguarding
Prerequisite: 15 years of age or older, swim 300 yards continuously, using the front crawl, breaststroke, or a combination of both; tread water for two minutes, using legs; and complete a surface dive between seven and ten feet to retrieve a ten-pound object within one minute and 45 seconds.
Grade: 10, 11, 12
Credit: 0.5

The purpose of this course is to provide students the opportunity to earn Red Cross lifeguarding/first aid/CPR/AED certification. A student must pass all Red Cross requirements to receive Red Cross certification.
## Typical Science Course Sequences

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<th>Honors Biology 1</th>
<th>Biology 1</th>
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<tr>
<td>Sophomore</td>
<td>Honors Chemistry 1</td>
<td>Chemistry 1</td>
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<td>Junior / Senior</td>
<td>Honors Physics</td>
<td>Physics</td>
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<td></td>
<td>Honors Chemistry 2 or AP Chemistry</td>
<td>Honors Chemistry 2</td>
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<td></td>
<td>Anatomy &amp; Physiology or Honors Biology or AP Biology</td>
<td>Anatomy &amp; Physiology or Honors Biology 2</td>
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<td></td>
<td>Honors Astronomy</td>
<td>Honors Astronomy</td>
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<td></td>
<td>Honors Geology</td>
<td>Honors Geology</td>
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<td></td>
<td>AP Environmental Science</td>
<td>AP Environmental Science</td>
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<td></td>
<td>Physics</td>
<td>Honors Physics</td>
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<tr>
<td></td>
<td>Earth &amp; Space</td>
<td>Earth &amp; Space</td>
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</tbody>
</table>

### Agriculture-Related Course Choices
- Animal Science
- Plant Science
- Veterinary Science

Life Science
Physical Science
Environmental Science
Earth Science

*Two courses per year, sequence is not important*
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. If a student has earned credit for biology they may not earn credit for this class.

51103 Physical Science  

Grades: 9, 10, 11, 12  
Credit: .5  
This course meets the requirement 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. If a student has earned credit in Physics, they cannot receive credit for this class.

51203 Earth Science  

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. A hands-on approach with laboratory exercises will be used throughout the course.

51403 Environmental Science  

Grades: 9, 10, 11, 12  
Credit: .5  
Students will be introduced 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. If a student has taken AP Environmental Science they cannot receive credit for this class.

51300 Biology 1  

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. If a student has taken Honors Biology 1, they cannot receive credit for this class.

51330 Honors Biology 1  

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. If a student has taken Biology 1, they cannot receive credit for this class.
52200 Chemistry 1  \textit{NCAA}

Prerequisite: C or better both semesters in High School Algebra or Accelerated Middle School Algebra. If you don't meet this prerequisite, contact your Assistant Principal
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. If a student has taken Honors Chemistry 1, they cannot receive credit for this class. Scientific Calculator Required

52230 Honors Chemistry 1  \textit{NCAA}

Prerequisite: B or better both semesters of High School Algebra or Accelerated Middle 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. If a student has taken Chemistry 1, they cannot receive credit for this class. Scientific calculator required

51400 Earth & Space  \textit{NCAA}

Grades: 9, 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. Basic math skills will be used, as well as the principles of scientific reasoning and problem solving. If a student has already taken Honors Geology or Honors Astronomy, they cannot receive credit for the course.

52400 Physics  \textit{NCAA}

Prerequisite: C or better both semesters of High School Algebra or Accelerated Middle School Algebra
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. If a student has taken Honors Physics, they cannot receive credit for this class. A scientific calculator is required.

54000 AP Environmental Science  \textit{NCAA}

Prerequisite: C or better in Honors Biology 1 or Biology 1 and Honors Chemistry 1 or Chemistry 1 and High School Algebra or Middle School Advanced Algebra. Concurrent enrollment in Algebra 2 is recommended.
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.
53130 Honors Chemistry 2  

**NCAA**

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

53030 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 bio-chemistry 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.

53230 Honors Physics  

**NCAA**

Prerequisite: B or better in Geometry or Honors Geometry and concurrent enrollment in Algebra 2 or Honors 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. If a student has taken Conceptual Physics, they cannot receive credit for this class.  
**Scientific calculator required.**

53330 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.
53430 Honors Astronomy  

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 observing 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.

54330 AP Chemistry  

Prerequisite: A ‘B’ 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 in May. A summer assignment is required for this class. Contact the school for more information.

54030 AP Biology  

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.

54430 AP Physics C: Mechanics  

Prerequisite: Successful completion of 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 preceded 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 in May.
15401 Animal Science
Prerequisite: Introduction to Agriculture or a C or better in Life 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.

15402 Plant Science
Prerequisite: Introduction to Agriculture or a C or better in Life Science
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.

53500 Veterinary Science
Prerequisite: Biology or Biological Science
Applications in Agriculture or Animal Science/Plant Science
Grades: 11, 12
Credit: 1.0
This course will develop students’ understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus.

54100 Anatomy & Physiology  NCAA
Prerequisite: Passing grade in Honors Biology 1/Biology 1 and Honors Chemistry 1/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 junior and senior level students who are interested in biology or pursuing a career in a medical field.
# Social Science Department

**Jeff Gall, Department Chair**

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Social Science Credit Course Options</th>
<th>Honors/AP Course Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/10 Required</td>
<td>Civics* World Geography*</td>
<td></td>
</tr>
<tr>
<td>11 Required</td>
<td>US History OR Early Bird US History</td>
<td>AP US History OR Early Bird AP US History (meets required option) Honors US History</td>
</tr>
<tr>
<td>11/12 Electives</td>
<td>Sociology*</td>
<td></td>
</tr>
</tbody>
</table>

*Semester Courses

## Required Courses

### 60003 Civics [NCAA](#)

*All Students Are Required To Take And Pass This Course As Part Of The Requirements For High School Graduation.*

Prerequisite: None  
Grades: 9, 10  
Credit: 0.5  

civics 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.
63000 U.S. History

63060 Early Bird U.S. History

Prerequisite: None Grade: 11 Credit: 1.0
U.S. History, a course 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.

63030 Honors US History

Prerequisite: 3.0 GPA Grade: 11 Credit: 1
Honors U.S. History 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.

63630 AP U.S. History

63660 Early Bird AP U.S. History

Prerequisite: 3.0 GPA Grades: 11, 12 Credit: 1.0
The AP U.S. History 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 in order to make connections among historical developments in different times and places.

Elective Courses

61403 The Black Experience in America

Grade: 9, 10, 11, 12 Credit: .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, review video, conducting individual research and active class discussion.
61503 Ancient World History  
Prerequisite: None
Grades: 9, 10, 11, 12
Credit: 0.5
Ancient World History 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  
Prerequisite: None
Grades: 9, 10, 11, 12
Credit: 0.5
Medieval World History 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  
Prerequisite: None
Grades: 9, 10, 11, 12
Credit: 0.5
Modern World History 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  
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  
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 textbook, visuals, group discussions, and project development.
63333 Honors Anthropology  NCAA
Prerequisite: 3.0 GPA
Grades: 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 a basic knowledge for an introductory college course. The text is college level.

63433 Honors Psychology  NCAA
Prerequisite: 3.0 GPA and weighted class experience
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.

63530 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: 3.0 GPA
Grade 12
Credit: 0.5
This course is offered first semester only. This course allows students a chance to enhance their basic understanding 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.

13331 AP Macroeconomics  NCAA
Prerequisite: AP Microeconomics & 3.0 GPA
Grades 12
Credit: 0.5
This course is offered second semester only. This course is designed for students to understand essential economics concepts. 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 this section are designed specifically for students who access special education services. Enrollment for these courses will be determined by the student’s individualized education plan.

91080 Learning Strategies

Grade: 9, 10
Credit: .5 per semester (Limit 2 credits)

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.

93280 Occupational Orientation

Grade: 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. Student will be expected 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 as an elective credit.

94180 or 94170 Inter-Personal Relations

Grade: 9, 10
Credit: .5 per semester (Limit 2 credits)

This course is designed specifically for students who access special education services and is designed for students to develop the necessary social skills to successfully function in school and in life. The focus of the class is on self-awareness, self-management, social awareness, relationship skills, and responsible decision making skills specific areas that are addressed during the course are mindfulness practices, identifying individual goals, and team building activities. Discussions and activities are driven by the students IEP’s and their specific goals and objectives. Literature is read and discussed on current issues, life choices and decisions, and student concerns. 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.

94280 Work Experience

Grade: 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

Don Mendoza, Department Chair

<table>
<thead>
<tr>
<th>Grade</th>
<th>French</th>
<th>German</th>
<th>Spanish</th>
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<tbody>
<tr>
<td>9-12</td>
<td>French 1</td>
<td>German 1</td>
<td>Spanish 1</td>
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<tr>
<td>10-12</td>
<td>French 2</td>
<td>German 2</td>
<td>Spanish 2</td>
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<tr>
<td>11-12</td>
<td>Honors French 3</td>
<td>Honors German 3</td>
<td>Honors Spanish 3</td>
</tr>
<tr>
<td>12</td>
<td>Honors French 4</td>
<td>Honors German 4</td>
<td>Honors Spanish 4</td>
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</tbody>
</table>

**81000 French 1 [NCAA]**

Prerequisite: None  
Grade: 9, 10, 11, 12  
Credit: 1.0  
French 1 is an introductory course to the French language and culture of French speaking countries. It will enable students to prepare for living in a global society. Students will acquire French language skills through a variety of activities which include listening, speaking, reading and writing. Vocabulary and grammar building will be achieved through group, partner, and individual activities.

**81100 German 1 [NCAA]**

Prerequisite: C or better in English  
Grade: 9, 10, 11, 12  
Credit: 1.0  
German 1 is an introductory course to the German language and culture of German speaking countries, and will enable students to prepare for living in a global society. Students will acquire German language skills through a variety of listening, reading, conversing, vocabulary building, group, partner, and individual activities.

**81200 Spanish 1 [NCAA]**

Prerequisite: None  
Grade: 9, 10, 11, 12  
Credit: 1.0  
Spanish 1 is an introductory course in the Spanish language and civilization. This introduction takes place in a programmed and structured sequence, emphasizing respectively listening, understanding, speaking, reading, and, to a lesser degree, writing. The student learns to respond to questions and situations involving typical conversations. Grammar is introduced in a manner helpful to the student and includes most of the basic grammar points of the Spanish language. A glance at the cultures of the Spanish speaking countries is supplied by oral reports, directed dialogue, and extra readings.
82000 French 2 [NCAA]

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.

82100 German 2 [NCAA]

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.

82200 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.

83030 Honors French 3 [NCAA]

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 is 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.

83130 Honors German 3 [NCAA]

Prerequisite: German 2
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.
83230 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.

84030 Honors French 4

Prerequisite: Honors French 3
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.

84130 Honors German 4

Prerequisite: 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.

84230 Honors Spanish 4

Prerequisite: 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. Dual credit through Lewis & Clark Community College may be an option for those who qualify.