Scott County Secondary Schools
Course Guide 2019 - 2020

Scott County High School

Great Crossing High School

Elkhorn Crossing School
Scott County Schools
2168 Frankfort Pike
Georgetown, KY 40324
502-863-3663

Dr. Kevin Hub, Superintendent
Mr. Clay Goode, Director of Secondary Schools

“Equal Education and Employment Opportunity”

Scott County Schools District Vision Statement
All Scott County students achieve their highest level of academic success and personal growth by learning core content through engaging work in a secure and inviting environment.

Scott County Schools District Belief Statements
The district takes the responsibility for providing engaging and meaningful learning opportunities. Student learning is the focus when making decisions. Achievement improves when students are engaged in their work and choose to share in the responsibility for learning. Schools supported by the community are safe and inviting places enabling students to learn at higher levels.

Scott County High School
1080 Cardinal Dr.
Georgetown, KY 40324
502-863-4131
Mrs. Meocha Williams, Principal
Mr. Blake Konny, Assistant Principal
Mr. Brian McIntyre, Assistant Principal
Mr. Mark Cook, Counselor
Mrs. Julie Cron, Counselor

Great Crossing High School
120 Betsy Way
Georgetown, KY 40324
Mrs. Joy Lusby, Principal
Mr. Austin Haywood, Assistant Principal
Mrs. Jamie Haywood, Assistant Principal
Mrs. Jill Embry, Counselor
Mr. Nick Maxwell, Counselor
Mrs. Christina Watford, Counselor

Elkhorn Crossing School
2001 Frankfort Rd.
Georgetown, KY 40324
502-570-4920
Mrs. Michelle Nichols, Principal
Mrs. Maria Lyons, Counselor

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General Scheduling Information
(This page is printed on the back of the Schedule Request Form)

1. Descriptions for all courses may be found in the online Course Guide which can be viewed at www.scott.kyschools.us (click on FAMILIES, then HIGH SCHOOL PROGRAM INFORMATION 2019-2020, and then COMBINED HIGH SCHOOL COURSE GUIDE). Specific academic requirements are listed on pages 4-5 of the Course Guide.

2. Students must complete each step on this form to ensure they have requested enough courses to fill 6 periods. If you do not register for a full schedule of classes (6 periods), or if you do not provide alternates to select from, your schedule will be filled with the courses that are available and you will not be permitted to request a schedule change.

3. Please check the course guide for specific course requirements and/or prerequisite courses.

4. Once course requests have been selected and entered into the Infinite Campus scheduling portal, requests will become a commitment on the part of the student to remain in the requested courses; however, students will have the opportunity to make enrollment and scheduling changes at the end of the school year pending space and course availability. While every effort will be made to accommodate the requests indicated, the following factors may affect the student’s final schedule:
   a. The courses listed in the course guide and on the schedule request forms represent possibilities for the 2019-2020 master schedule. If a course listed is not requested by a sufficient number of students during registration, that course will not be included in the master schedule. If that occurs, an alternate course will be substituted.
   b. Based on staffing constraints, students may not receive all courses requested due to the large number of student requests. In scheduling classes, priority is given to upperclassmen.
   c. If a student registers for two courses that are offered in the final master schedule during the same class period, one course will be placed in the student’s final schedule and an alternate course will be selected to fill the other class period.
   d. If a student requests a course for which they do not meet the prerequisite, the student’s schedule will be adjusted and an alternate course will be used to fill the class period.
   e. Elective courses are rarely offered more than one or two periods per day; therefore, once the master schedule is finalized, students will be expected to remain in the elective course(s) they have requested.

5. Schedule changes must meet SBDM guidelines to be approved. Changes will only be considered if the student:
   a. is academically misplaced,
   b. is missing a class period,
   c. has a duplicate class or previously completed a class in the schedule,
   d. lacks a required course for graduation and is scheduled to graduate at the end of 2019-20 school year, or
   e. does not meet the prerequisite for the course.

Students may not request a change for any other reason. Students may not request a schedule change based on teacher or class period preference.

6. If a student fails a class and needs to repeat it, then sophomores and juniors must:
   a. retake the course in summer school,
   b. take the course online during the school year, or
   c. take the course the following school year (math and/or courses with a pre-requisite requirement will be the only exception to this rule).

Seniors will have the option to retake courses needed for graduation during the school day if the course will fit into the regular school day schedule and if the course has space available for the student. Otherwise, online options may be available.

7. Selecting ALTERNATE COURSES on the Schedule Request Form is an important, REQUIRED part of the registration process. Please select a minimum of four alternate courses in the appropriate section of the Schedule Request Form. Special consideration should be given to these selections because they may end up in your final schedule and schedule changes will not be permitted.

8. Final responsibility for choosing your classes belongs to you and your parent/guardian. A Schedule Request Verification Form will be provided to all students once requests have been entered. Parents/students will have the opportunity to make changes from March 12 - 18. After this date, no changes to the schedule requests will be considered unless it is directly linked to open enrollment.

9. Counselors will meet with students through English classes on February 5 - 8 to walk students through the scheduling process and answer scheduling questions. Counselors will be available in the SCHS/ECS Counseling Office from February 11 - 14 for individual help as needed.

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Types of Curricula Offered at Scott County High School

I. **General**: This includes the minimum requirements for graduation and is designed for those students who do not plan to attend college or vocational training, but who want a broad-based high school education.

II. **Pre-College Curriculum**: This curriculum has been adopted by the Kentucky Council on Higher Education, and endorsed by Kentucky’s public universities. It consists of minimum courses necessary to prepare students for college and is required by state universities before a student can enroll.

### General/Minimum State Graduation Requirements

Students must earn 22 credits in order to graduate and include the following required courses:

<table>
<thead>
<tr>
<th>Total Credits Required</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 English</td>
<td>English 1</td>
<td>English 2</td>
<td>English 3</td>
<td>English 4</td>
</tr>
<tr>
<td>*4 Math</td>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2</td>
<td>4th year of math required</td>
</tr>
<tr>
<td>3 Science</td>
<td>General Science, ECS Science, **Biology</td>
<td>Chemistry, ECS Science</td>
<td>Biology, ECS Science **Physics</td>
<td></td>
</tr>
<tr>
<td>3 Social Studies</td>
<td>Integrated Social Studies</td>
<td>World Civilization</td>
<td>U.S. History</td>
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<tr>
<td>½ Health ½ PE</td>
<td>Health/PE</td>
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<td></td>
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<tr>
<td>***1 Arts/Humanities</td>
<td>Course choices listed below</td>
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<td></td>
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</tbody>
</table>

*All students must take a math class each high school year to include Algebra 1, Algebra 2, and Geometry plus one additional math class.  
**Starting with the 2019-2020 freshman class.  
***The Arts/Humanities credit may be fulfilled by one of the following options:
- 1 credit in arts/humanities (History & Appreciation of Visual & Performing Arts Survey and Fundamentals of Art & Design combined), choral music, band, piano, music theory, media arts, art 2, 3, or 4/AP, AP art history, floral design (if previous ag course has been taken), or BCTC’s HUM 120 (dual credit).
- For rising 10th, 11th, and 12th grade students who have already taken a half credit of Arts/Humanities and still need to complete an additional half credit, the following courses will suffice: 3rd year of the same world language, Sociology, Journalism, Creative Writing, Art I, or an extra PE course (beyond the state required PE course). An additional Arts/Humanities option will also be available in summer school.

Report cards will be issued every nine weeks.  
Mid-term progress reports will be issued 4.5 weeks into each grading period.
Pre-College Curriculum

The pre-college curriculum is the result of many citizens working to improve the educational system in Kentucky, particularly as it relates to a student’s preparation for college-level studies. The curriculum, as adopted by the Council on Higher Education, has been endorsed by the public universities, the Council of Independent Kentucky Colleges and Universities, and others concerned with educational improvements.

The pre-college curriculum is a clear statement of higher education’s expectations regarding the college educational preparation of students. By Kentucky law, the council is responsible for setting the minimum requirements for admission to Kentucky’s public universities. Students entering one of these institutions are required to have completed high school, the pre-college curriculum, and the ACT or SAT examination. Bear in mind that these are the minimum standards and that each university may require additional preparation of its entering students. Students are encouraged to begin to consider college choices early and become aware of the requirements of each being considered.

The council believes firmly that this curriculum will benefit every student whether or not the student plans to attend college. It is important for the future of the Commonwealth that all students be encouraged to reach their full academic potential.

Total Credits Required

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<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
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</thead>
<tbody>
<tr>
<td>4 English</td>
<td>English 1 or Honors Eng. 1</td>
<td>English 2 or Honors Eng. 2</td>
<td>English 3 or AP Eng. Language &amp; Comp.</td>
</tr>
<tr>
<td>*4 Math</td>
<td>Algebra 1, Honors Geometry</td>
<td>Geometry or Honors Algebra 2</td>
<td>Algebra 2, Pre-Calculus or Honors Pre-Calculus</td>
</tr>
<tr>
<td>3 Science</td>
<td>General Science, Honors Science, ECS Science, **Biology, Honors Biology</td>
<td>Chemistry/Honors Chemistry, ECS Science</td>
<td>Biology/Honors Biology/AP Biology, ECS Science</td>
</tr>
<tr>
<td>3 Social Studies</td>
<td>Integrated/Honors Social Studies, AP Gov. &amp; Politics, or AP Human Geography</td>
<td>World Civilization or AP World History</td>
<td>U.S. History or AP U.S. History</td>
</tr>
<tr>
<td>½ Health &amp; ½ PE</td>
<td>Health/PE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>***1 Arts/Humanities</td>
<td>Course choices listed below</td>
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</tr>
<tr>
<td>****2 World Language</td>
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</tbody>
</table>

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**Starting with the 2019-2020 freshman class.

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****World language credits must be 2 credits of the same language.

Students are encouraged to go beyond these minimum requirements and should consider taking as many upper level courses as possible. Students will be asked to make a commitment to this curriculum before entering high school. The students’ commitment will allow school personnel to better plan and guide each student.

Starting with the 2014 – 2015 school year, all AP and Dual Credit courses will be weighted; therefore, an A = 5 points, B = 4 points, C = 3 points, and D = 2 points. Non-AP/Dual Credit courses are on a regular 4.0 scale.
Kentucky Education Excellence Scholarship (KEES)

Purpose

To enable high school students to earn scholarships for postsecondary study. The program contains incentives designed to award continued achievement as students progress through high school.

Eligibility Criteria

- Be a Kentucky resident.
- Be enrolled in a Kentucky high school after July 1, 1998.
- Meet the curriculum requirements established by the Kentucky Council on Postsecondary Education.
- Meet the minimum required grade point average (GPA) at the end of any academic year beginning after July 1, 1998.
- Not be a convicted felon.

Program Description

Effective July 1, 1998, high school students began to earn scholarship dollars (called the “base amount”) for each year in which they attained at least a 2.5 GPA. In addition, eligible students who achieve at least a composite score of 15 on the ACT by the date of graduation from high school also receive a bonus award. Upon graduation, the base amount that a student has earned in each eligible year of high school is added to the bonus award to determine a total KEES award. Students will generally be eligible to receive their scholarships for a maximum of eight academic terms in an undergraduate program.

The scholarship can be used at any participating accredited public or private institution in Kentucky, including community and technical colleges. For most programs of study, the scholarship must be used within five years of high school graduation. To receive the full amount, students must attend full time. Students attending at least half time, but less than full time receive a proportionate amount; however, each academic term for which a scholarship is received will count as a full academic term, even if the award amount is reduced.

Students enrolled full time will receive the maximum amount for the first two academic terms of postsecondary study. To retain the maximum award for the second year, students must have completed their first two academic terms with a cumulative 2.5 GPA. For subsequent award periods, students must maintain a 3.0 cumulative GPA to retain the maximum award.

Funding and Data Collection

The KEES program will be funded by Kentucky Lottery proceeds. Net lottery revenues will be transferred to the Student Financial Aid and Advancement Trust Fund, administered by the Council on Postsecondary Education (CPE), to provide funding for this program. CPE is also responsible for promulgating regulation regarding KEES.

The Kentucky Department of Education (KDE) is responsible for collecting data from high schools. At the end of each academic year, KDE will transmit to KHEAA a compiled list of all eligible high school students, and by the end of January each year, a list of all eligible students expecting to graduate.
Annual KEES Awards

Listed below are the base scholarship amounts for each GPA. Students earn an award for each year they attain a 2.5 GPA or higher. For instance, a high school student who earns a 2.8 GPA for the freshman year, a 2.4 GPA for the sophomore year, a 3.0 GPA for the junior year, and a 3.20 GPA for the senior year will receive awards of $200, $0, $250, and $300 for a total base amount of $750. That $750 base award will be available for each year of postsecondary study.

<table>
<thead>
<tr>
<th>GPA</th>
<th>Amount</th>
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<tbody>
<tr>
<td>2.50</td>
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<td>475.00</td>
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<tr>
<td>4.00</td>
<td>500.00</td>
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</table>

ACT Bonus Awards

Listed below are the base awards students may earn for an ACT score of 15 or higher. The bonus award is added to the base amount to derive a total award for each year of postsecondary study. Continuing the example from above, if a student who has earned a base award of $750 scores 23 on the ACT, $321 will be added to the $750 for a total annual award of $1,071 available each year of postsecondary study.

<table>
<thead>
<tr>
<th>ACT Score</th>
<th>Bonus</th>
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<tr>
<td>15</td>
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<td>27</td>
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<tr>
<td>28 or above</td>
<td>500.00</td>
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</table>

AP Supplement Award Amounts

If you have been eligible for free or reduced-price lunch during any year of high school and have earned a qualifying score on an Advanced Placement (AP) exam taken during or after the 2008-2009 academic year, you can earn a supplemental award. For example, a KEES eligible student who receives a score of 3 on an AP exam and is eligible for free or reduced-price lunch would earn an additional $200 for each year of college.

<table>
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<tr>
<th>Exam Score</th>
<th>Supplemental Amount</th>
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<tr>
<td>3</td>
<td>$200</td>
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<tr>
<td>4</td>
<td>$250</td>
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<tr>
<td>5</td>
<td>$300</td>
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CTE PATHWAYS STAKEHOLDER INTEREST

COMMUNITY:

• All 22 proposed pathways and programs align to the Central KY High-Demand Industry Sectors and Top Occupations.

• All 22 proposed pathways and programs offer industry certifications for students to attain during preparatory year.

• JROTC offered at Scott County High School

• Pathway offerings intentionally prepare Scott County workforce for careers in manufacturing at all levels including four year engineering degrees, trade certification through technical school programs and immediate hire in local manufacturing plants:
  • Engineering
  • Engineering Technology
  • Industrial Maintenance
  • Robotics
  • Welding Engineering
  • Welding Maintenance Machinist

• Both GCHS & SCHS will house Agriculture programs and FFA chapters. Pathway offerings prepare Scott County workforce for careers in agriculture:
  • Animal Science Systems
  • Agribiotechnology
  • Food Science and Processing Systems
  • Horticulture and Plant Systems
  • Agriculture Power, Structural, Technical Systems

ADDITIONAL ACADEMIC BENEFITS

DUAL CREDIT:

• CTE dual credit may be earned at SCHS, GCHS, ECS and Cardinal Academy in all areas pending teacher certification. CTE dual credit scholarship can be utilized at all locations.

• Academic dual credit opportunities will be available through core academic areas at SCHS, GCHS ECS and Cardinal Academy
## FAMILY AND CONSUMER SCIENCES

### HOSPITALITY, TRAVEL, TOURISM & RECREATION
- **COURSE I:** FACS ESSENTIALS
  - **COURSE II:** PRINCIPLES OF HOSPITALITY
  - **COURSE III:** ADVANCED FOODS
  - **COURSE IV:** SPECIALIZED SERVICES IN HOSPITALITY

### FUNDAMENTALS OF TEACHING
- **COURSE II:** EARLY LIFESPAN DEVELOPMENT
- **COURSE III:** MIDDLE TO LATE LIFESPAN DEVELOPMENT/RELATIONSHIPS
- **COURSE IV:** PRINCIPLES OF TEACHING

### CULINARY & FOOD SERVICES
- **COURSE II:** FOODS & NUTRITION
- **COURSE III:** CULINARY ARTS I
- **COURSE IV:** CULINARY ARTS II

### INDUSTRY CERTIFICATIONS
- ServSafe Food Managers
- AAFCS Pre-PAC Educational Fundamentals
- AAFCS Pre-PAC Culinary Arts
- ProStart Certificate of Achievement
- ServSafe Food Handler Certifications
- ServSafe Food Manager’s Credential

### CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS & SUPPORT SECTORS
- Transportation & Logistics
- Healthcare
- Accommodation and Food Services
- Educational Services
- Entrepreneurship

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Family & Consumer Sciences

SCOTT COUNTY HIGH SCHOOL – FCS PATHWAYS

Introductory Class to all FCS Pathways:

FACS Essentials 1 credit Open to 9, 10
This course promotes the development of life management skills, which will help students as they progress toward adulthood and will assist them in becoming successful members of society. The course is designed to expose students to the different areas of Family and Consumer Science. Areas include Nutrition & Food Prep, Child & Human Development, Housing Environments, Consumer Education, and Clothing Management & Construction. Students are required to purchase their sewing project.

HOSPITALITY, TRAVEL, TOURISM & RECREATION PATHWAY

Principles of Hospitality 1 credit Open to 10, 11, 12
This course is designed for students interested in careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel and tourism, hotel and motel, and the restaurant industries. This course is based on the family and consumer sciences core that includes communication skills, economics, food and beverage operations, promotion, selling, and product and service management.

Advanced Foods 1 credit Open to 11
This course is designed to assist students in principles related to food preparation. Specific content addressed will include planning, serving, food presentation, special diets, and nutrition for the lifespan, serving, and food planning for entertainment services. An emphasis on careers related to food service and hospitality will be addressed. Lab instruction emphasizes the application process.

Specialized Services in Hospitality (and co-op) 1 – 3 credits Open to 12
This course is designed to provide training in specialized services within the hospitality field. Job and career opportunities will be explored. Instruction will include skill development and practice. Shadowing and work experiences will be included in a variety of commercial establishments such as hotels, motels, restaurants, local convention bureaus, and tourism centers.

FUNDAMENTALS OF TEACHING PATHWAY

Early Development of Children 1 credit Open to 10, 11, 12
This course explores the stages of growth and development of children from conception through six years of age. These stages include prenatal development, infancy, toddlers, and preschoolers. Topics such as reproduction, sexually transmitted diseases, and family planning (abstinence is stressed!) are integral components of the course. This course is suggested for students interested in a career involving young children. This course meets the prerequisite for students enrolling in the Fundamentals of Teaching Program. The Fundamentals of Teaching Program is suggested for students interested in a career in education.
Middle to Late Development of Children 1 credit Open to 11, 12
This course studies the stages of growth and development of humans from elementary ages, middle childhood, adolescent, and early / middle / late adulthood stages. The course reviews effects of heredity and environment on the life stages, meeting the needs of exceptional individuals, and promoting optimum growth and development. Careers in education, human development, and adult care services are explored. This course meets the prerequisite for students enrolling in the Fundamentals of Teaching Program. The Fundamentals of Teaching Program is suggested for students interested in a career in education. PREREQUISITE: Early Lifespan Development of Children.

Principles of Teaching (and Co-op) 1 - 3 credits Open to 12
This is the last course of the Fundamentals of Teaching Program. The course allows students to develop skills, strategies, and techniques used for instruction at various grade levels for a diverse population of student learners. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of children, adolescents and developmentally appropriate practices in educational settings. Students will gain work experience by observing in elementary, middle and high school classrooms. Students must provide their own transportation. PREREQUISITE: Early Lifespan Development of Children, Middle to Late Development, and approved application. Applications may be picked up in room 160.

CULINARY ARTS CAREER PATHWAY

Foods & Nutrition 1 credit Open to 10, 11, 12
This introductory course is designed to expose students to nutrition and food related information that will contribute to good health and well-being. Students will learn and practice introductory food prep skills in the lab setting. Students resume progress in pursuing competencies in food production and services. Students will be provided further training in the field of culinary arts. Students will continue to explore food trends, careers in culinary arts, and specialized areas of foreign cuisine. Lab fee: $30.

Culinary Arts 1 - blocked, 1st semester 1 credit Open to 11, 12
This advanced course allows students to increase competencies in a variety of food preparation techniques including presentation, garnishing, menu planning, and the skills necessary to prepare for a career in culinary arts. Students will operate the teacher restaurant The House of Cards as a part of the course. Management and food preparation in the restaurant will allow students to put into practice hospitality and culinary related skills learned in this course and previous ones. Lab fee: $30. PREREQUISITE: Foods & Nutrition 1 & 2.

Culinary Arts 2 – blocked, 2nd semester 1 credit Open to 11, 12
In this course, students resume progress in pursuing competencies in hospitality, food preparation and service, and general skills necessary for a career in the culinary field. Work will continue with the student operated restaurant, The House of Cards. Lab fee: $30. PREREQUISITE: Foods & Nutrition 1 & 2.
<table>
<thead>
<tr>
<th>BUSINESS, MARKETING &amp; ENTREPRENEURSHIP</th>
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<tr>
<td><strong>ECOMMERCE MARKETING</strong></td>
<td><strong>MANAGEMENT/ENTREPRENEURSHIP</strong></td>
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<tr>
<td><strong>COURSE I</strong></td>
<td><strong>COURSE II</strong></td>
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<td>MARKETING PRINCIPLES</td>
<td><strong>PRINCIPLES OF ENTREPRENEURSHIP</strong></td>
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<td><strong>satisfies FACS pathway</strong></td>
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<td><strong>COURSE III</strong></td>
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<td>ADVERTISING &amp; PROMOTIONS</td>
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<td></td>
<td><strong>COURSE III</strong></td>
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<td>BUSINESS MATH</td>
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<td><strong>COURSE IV</strong></td>
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<td>MARKETING APPLICATIONS</td>
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<td><strong>COURSE IV</strong></td>
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<td>INTRODUCTION TO MANAGEMENT</td>
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<td><strong>INDUSTRY CERTIFICATIONS</strong></td>
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Introduction to all Business & Marketing Pathways:

Marketing Principles 1 credit Open to 9, 10
Marketing Principles introduces students to the dynamic processes and activities in marketing. Students study economic functions at work in the marketplace and marketing functions including purchasing, pricing, and distribution functions. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. Current technology will be used to acquire, organize and present information. Activities will include online simulations. Students will understand marketing concepts through examples provided by the SCHS school-based store, “Cardinal Connections.” Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. The student organization, DECA, will be utilized for leadership development. $15 Lab Fee.

Principles of Entrepreneurship 1 credit Open to 10, 11, 12
This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. Students also develop an appreciation for marketing’s pivotal role in the development and success of a new business. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, operations, promotion and selling. The real-world project for this course will be to run and continuously improve the operations of the SCHS school store, “Cardinal Connections.” Activities will include online simulations as well as the opportunity to design and manufacture products in the school-based enterprise. Job shadowing experiences may also be used to enhance course instruction. Technical skills training will be provided which can result in student Microsoft Office Specialist (MOS) certification in Word, PowerPoint and/or Outlook. The student organization, DECA, will be utilized for leadership development. $15 Lab Fee. PREREQUISITE: Marketing Principles and/or approval from a Business/Marketing instructor.

ECOMMERCE MARKETING PATHWAY

Advertising & Promotions 1 credit Open to 10, 11, 12
This course is designed to provide students with a realistic “hands-on” application of techniques used in the advertising and promotion of goods and services. Students use digital media (computer-generated text, graphics, photographs, sound and video) equipment, while being exposed to all forms of media (print, web page, etc.) used by industry. This course will include the use of industry standard applications software. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, and the economic impact of promotional considerations involved in the sports and event marketing industries. The student organization, DECA, will be utilized for leadership development. $15 Lab Fee. SUGGESTED PREREQUISITE: Marketing Principles and/or Principles of Entrepreneurship.

Marketing Applications 1 credit Open to 11, 12
This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as market planning, marketing-information management and financial analysis. Students will demonstrate specialized sales processes and techniques. Professional development will include instruction in human resource management and employee/employer relations for a wide range of marketing careers. A professional employment portfolio will be developed in this class along with technical skill training to attain Microsoft Office Specialist (MOS) certification in Word, Excel, PowerPoint &/or
Outlook. Leadership development will be provided through DECA. $15 Lab Fee. PREREQUISITE: Completion of two Business/Marketing credits and/or approval from a Business/Marketing instructor. SUGGESTED CO-REQUISITE: Business & Marketing Education Co-op.

Marketing Education (and Co-op) 1–3 credits Open to 12
Note: Beginning with the 2019-2020 academic year co-op students with the graduating class of 2020 will be required to have completed ONE credit in the Business/Marketing career pathway prior to enrolling in co-op. Co-op students with the graduating class of 2021 (and beyond) will be required to have completed TWO credits in the Business/Marketing career pathway prior to enrolling in co-op. Cooperative Education for CTE courses provide supervised work site experience related to the student’s identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work-Based Learning Guide. Transportation must be provided by student/student’s family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op. The co-op contract must be signed by the student, parent and employer. The contract is available in the Guidance Office or Business and Marketing Department of SCHS. Students are required to be employed by the beginning of the school year. Those choosing to participate in co-op courses will need to take at least four other credits to meet the five-credit minimum and earn a KEES award.

MANAGEMENT/ENTREPRENEURSHIP PATHWAY

Business Math 1 credit Open to 11, 12
This course enables students to explore mathematical content for personal, business, and industrial use. Math concepts and skills are applied through study and problem-solving activities in real-world situations in the following areas: banking, measurement, borrowing and investing, consumer purchases, and financial management. Training will be provided in this course that can result in Microsoft Office Specialist (MOS) in Excel. The student organization, DECA, will be utilized for leadership development. $15 Lab Fee. Successful completion of this course will also satisfy the senior math credit required for graduation. SUGGESTED CO-REQUISITE: Introduction to Management.

Introduction to Management 1 credit Open to 11, 12
Introduction to Management expands student understanding of management. It exposes students to several types of management, including customer relationship management, human resources management, knowledge management, information management, project management, quality management, risk management, and strategic management. Business law, communication skills, economics, operations, and professional development are also stressed throughout the course. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Technical skills training will be provided to attain Microsoft Office Specialist (MOS) certification in Word, Excel, PowerPoint &/or Outlook. Leadership development will be provided through DECA. SUGGESTED CO-REQUISITE: Business & Marketing Education Co-op.

Marketing Education Co-op – see description above.
# SCOTT COUNTY HIGH SCHOOL
## CTE PATHWAYS

### AGRICULTURE

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**WORK-BASED LEARNING**

### INDUSTRY CERTIFICATIONS

- ICEV Elanco Fundamentals of Animal Science
- ICEV Elanco Veterinary Medical Applications
- NAVTA Veterinary Assisting Certification
- ICEV American Meat and Science Association Food Safety and Science
- Industry Certification currently unidentifiable in 2018-2019 valid Industry Certification List

### CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS & SUPPORT SECTORS

- Business & IT Services Healthcare
- Government Advanced Manufacturing Food Service
- Government Advanced Manufacturing Business & IT Services
SCOTT COUNTY HIGH SCHOOL – AG PATHWAYS

Introductory Classes to all Agriculture Pathways:

**Principles of Agriculture Science & Technology**
1 credit
Open to 9, 10
This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Additionally, FFA curriculum and instruction is a major part of this course.

**Agriscience**
1 credit
Open to 10, 11, 12
This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills, environmental and natural resources, and agribusiness will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented.

ANIMAL SCIENCE SYSTEMS PATHWAY

**Animal Science**
1 credit
Open to 11, 12
Animal Science develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management, and marketing of one or more species of farm animals. The latest biotechnological applications will be included.

**Veterinary Science**
1 credit
Open to 11, 12
This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. **Class Fee: $20**

FOOD SCIENCE & PROCESSING SYSTEMS PATHWAY

**Food Science & Technology**
1 credit
Open to 11, 12
Food Science and Technology introduces the issues of food production, nutrition, food chemistry and the development of food products in a global society. The government regulations regarding foods and the exploration of career opportunities will also be covered. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

**Agri-Biology**
1 credit
Open to 9, 10, 11
This course uses agricultural contexts to present the life science content outlined in the Program of Studies. As students study practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. During their study of agri-biology, students perform many practical tasks. They create models, extract DNA, analyze DNA fingerprints, construct tables and graphs to classify and analyze data, and test soils.
Students develop an understanding of many concepts such as cell structure and function, morphology and physiology of agriculturally significant animals, heredity principles and inheritance patterns, genetic engineering, animal behavior, biological change, interdependence of plants and animals, and the flow of matter and energy through ecosystems. This course fulfills the life science/Biology requirement. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **PREREQUISITE: Student must be in an Agriculture Pathway.**

**AGRIBIO-TECHNOLOGY PATHWAY**

*See course descriptions for Food Science and Technology and Veterinary Science/Agri-Biology.*

**Agricultural Sales & Marketing (and Co-op) 1 - 3 credits  Open to 12**
This course introduces agricultural sales and marketing including competition in the agriculture market place, marketing decisions, types of markets, contracting, government programs and regulations, personal development, employee and employer responsibilities, communications, promotion strategies, records, files, purchasing materials, stocking, selling and business account procedures. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course counts for the Agricultural Co-op. Those choosing to participate in co-op courses will need to take at least four other credits to meet the five-credit minimum and earn a KEES award.
The Air Force Junior Reserve Officer Training Corps (AFJROTC) is a four year citizenship program. All AFJROTC courses are blends of material from an Aerospace Science (AS) component (40%), a Leadership Education (LE) component (40%) and a Wellness component (20%) to include Drill and Ceremonies. To enhance classroom learning, students may participate in extracurricular and social activities such as field trips, Drill teams, Raider teams, color & honor guards, model rocketry, military balls, and awards banquets. An integral part of the program is the requirement to meet Air Force grooming standards and to wear the uniform a minimum of one day every week. There is no commitment or obligation to serve in the armed forces as a result of participation in Junior ROTC.

The following programs are part of every Air Force Junior ROTC class and participation in some way is required of all cadets enrolled in AFJROTC:

Drill and Ceremonies

This course provides an in-depth introduction to drill and ceremonies, and is taught as part of the Leadership Education and the Wellness components for each Air Force Junior ROTC class. The Drill and Ceremonies course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice.

Wellness Curriculum

Wellness is an official part of the Air Force Junior ROTC program and is part of each Air Force Junior ROTC class. It is an exercise program focused upon individual base line improvements with the goal of working toward a national standard as calculated with age and gender. The exercises develop all muscle groups and provide sufficient anaerobic and aerobic intensity. Other activities will be included, such as team sports, in order to keep the Wellness Program fun and motivating. Wellness is instrumental in building better citizens for America.

Aerospace Science  
Survival: Survive & Return

The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be helpful in any situation from an individual lost hunting or stranded in a snowstorm. Completion of one year of Junior ROTC satisfies the Physical Education requirement for high school graduation.

Leadership Education: This course is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Learning and innovative skills include critical thinking and problem solving, communication and collaboration, and leadership responsibility. First-year students will learn Citizenship, Character & Air Force Traditions. Fourth-year cadets will manage the entire corps under AFJROTC instructor supervision. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets.
English

English 1  1 credit  Open to 9
English I is a course designed to strengthen students’ observing, listening, speaking, writing, and reading skills. While specific works of literature are not the focus of the course, students will read a variety of authors and genres as a foundation for other activities that are designed to promote growth in the aforementioned areas. Students will be required to write literary, argumentative, and personal expressive pieces. All of these pieces will be placed in the student’s formative portfolio. Students will also be challenged to develop inquiry/researching skills that include using technology for communication.

Honors English 1  1 credit  Open to 9
The basic difference between Pre-AP English and “regular” English is the linking of form to meaning. In the past, students were taught the form-historical background of literature, themes, tone, character development, conflict, and other elements of literature but often did not learn to connect the language-the way the words work together on the page-with meaning. This connection-this linking-must be clear to students in the next two years if they are to excel not only on AP Exams but in college classes. English I students should also develop fluency, creativity, and a sense of risk-taking in writing- fully developed essays, short paragraph answers, highly structured responses to specific questions, and original poetry. The objective is to make readers, writers, and learners out of new high school students. During the summer, students will have a reading assignment.

English 2  1 credit  Open to 10
English 2 focuses on grammar, developmental composition skills, and in-depth reading skills. Students will refine literary, argumentative, and analytical writing skills. Students will also learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. They will read short stories, poems, drama, novels, and non-fiction from selected world literature. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. PREREQUISITE: English 1.

Honors English 2  1 credit  Open to 10
Pre-AP English 2 is a course emphasizing close reading/literary analysis and developmental composition skills that will support student growth as thinkers and clear effective writers. Students will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. They will also study all genres including drama, poetry, non-fiction, short stories and novels. During the course of the year, they must read a combination of 6 independent texts, including novels and plays, from the suggested AP Board recommended list. Completion of summer reading is recommended. At the end of this course, all students may
be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **PREREQUISITE: Pre-AP English 1 or consent of current English teacher.**

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**English 3**

1 credit  
Open to 11

English 3 focuses on an in-depth survey of American Literature, continued writing development, and ACT test prep. Students will focus on on-demand speech writing, persuasive writing, and argumentation. They will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. Additionally, each English 3 student will refine and apply research and documentation skills through a variety of research assignments. Each grading period students will read at least one book or play from a suggested reading list. Assessments include public speaking, performance events, persuasive writing, constructed responses, argumentative essays, multiple choice questions, and projects. **PREREQUISITE: English 2**

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**Advanced Placement English Language & Composition**

1 credit  
Open to 11

The AP Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. As in the college course, the purpose of the AP Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Much of the class discussion will focus on the author’s technique, meaning, and expressions of philosophical ideas. Students should expect this course to be similar to an introductory college writing course that focuses on exposition, argument, and literary analysis. **This course includes summer reading. PREREQUISITE: Pre-AP English 2 or consent of English 2 teacher.**

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**English 4**

1 credit  
Open to 12

English 4 is a course designed to promote higher level thinking through effective writing, critical reading, and thinking as well as skillful speaking. In addition, students will be completing text-based literary analysis writing and research-based writing. Students will also apply critical standards for evaluation and appreciation of British and world literature. Genres studied in English IV include novels, short stories, poetry, plays, and essays. **PREREQUISITE: English 3**

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**Advanced Placement English Literature & Composition**

1 credit  
Open to 12

The Advanced Placement English Literature and Composition Course provides students with a course in composition and literary analysis which makes demands equivalent to those of a full year introductory college course. The literary focus at the 12th grade level is British and World literature. Through the close study of all genres, students sharpen their abilities to appreciate and evaluate literature. Numerous on-demand literary analysis essays are required, as well as assessments using AP-style multiple choice questions. During the spring semester, students are expected to take the College Board Advanced Placement English Literature Examination. **This course includes summer reading. PREREQUISITE: AP English Language or consent of English 3 teacher.**

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**WRD 110 Composition and Communication I (Dual Credit)**

1 high school credit per course  
Open to 12

See more about this and its companion course on page 66 of the course guide and at the UK Writing, Rhetoric & Digital Studies department website at [https://wrd.as.uky.edu/composition-and-communication](https://wrd.as.uky.edu/composition-and-communication). **This course is offered on the SCHS campus. PREREQUISITE: B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading.**
WRD 111 Composition and Communication II (Dual Credit)  1 high school credit per course  Open to 12
This course is only available to those students who have successfully completed WRD110. See page 66 for more information. **This course is offered on the SCHS campus.** **PREREQUISITE:** B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading, passing score in WRD 110.

**Journalism**  1 credit  Open to 10, 11, 12
The goal of this advanced course is to provide students with exposure to how the field of journalism is changing, and to respond to newsworthy items in real time via the school's online newspaper site and its various social media outlets. Students will cover news stories for both high schools, Cardinal Academy, and the local Georgetown community while learning and using the media technology of the 21st century. Students will also learn the unique characteristics of magazine layout to create a yearbook for the school using Adobe InDesign and Photoshop, two programs used by professional journalists across the country. All journalism students will be involved in reporting, interviews, writing and photography; however, many assignments will be tailored to the student's strongest interest and skills. Some after-school time is involved. Students should have at least a “B” average in their current English course, no more than 6 unexcused absences, and obtain 2 teacher recommendations. One recommendation must come from the student's current English teacher. Students may register for this course only after the teacher has approved the application. Applications can be found on the Scott County High School website.

**Creative Writing**  1 credit  Open to 10, 11, 12
Creative Writing class will explore techniques in writing poetry, fiction, and plays/scripts. Students will set personal writing goals and achieve these goals through revision and peer critique. We will read articles and possibly books on writing. Students will write often, both individually and collaboratively. Class members will learn personal revision and peer revision techniques. **PREREQUISITE:** Students must have passed their English class this school year to be eligible for Creative Writing class.
Fine Arts

The Arts/Humanities requirement may be fulfilled with one credit in arts/humanities (History & Appreciation of Visual & Performing Arts Survey and Fundamentals of Art & Design combined), choral music, band, piano, AP music theory, media arts, art 2, 3, 4/AP, floral design (if previous art course has been taken) or BCTC’s HUM 120 (dual credit).

History & Appreciation of Visual & Performing Arts Survey ½ credit Open to 9, 10, 11, 12
Students are introduced to a survey of significant works, artists, and movements that have shaped the arts world and have influenced or reflected various periods of history in the arts disciplines of dance, music, theatre and visual art. Course content emphasizes the sequential evolution of art forms, techniques, symbols, and themes within those disciplines. The course covers the connections of the arts to cultural, social, political, and historical events throughout the world. Critical analysis of works from the disciplines, as they communicate and express the history, needs, and ideals of society and individuals is included. The course provides for students to experience creating, performing/presenting/producing, responding and connecting their own works as well as the works of others. Content: Arts and Humanities/History and Appreciation of the Visual and Performing Arts

To be paired with

Fundamentals of Art and Design ½ credit Open to 9, 10, 11, 12
Students are introduced to the basic fundamentals of artistic expression. The course includes experiences in drawing, painting, two- and three-dimensional design, sculpture, and other art forms. The course emphasizes observations, interpretation of the visual environment, visual communication, imagination and symbolism, and an introduction to various visual arts techniques and media. The focus of the course is on application of the fundamental processes of artistic expression and application of the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. A study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in peer review through the critique process, presentation or their, responding to art and connecting their art to the world around them are included.
Comprehensive Visual Arts 1 credit Open to 10, 11, 12
*Each section is a different class and can be repeated for additional visual arts credits.*

Students explore an art form, obtaining knowledge in that form to plan and create individual works of art based on such knowledge, while following and breaking from traditional conventions. Students examine the language, materials, media, and processes of that particular art form and the fundamental processes of artistic expression supporting a work. Advanced instruction encourages students to develop their own artistic styles. Although Comprehensive Visual Arts courses focus on creation, inclusion of the study and analysis of major artists, art movements, and styles is included. In completing this course, students consider various techniques, methods, venues, and criteria for analyzing and selecting their art for preservation and presentation, including evolving technologies when preparing and refining artwork for display. **Prerequisite: 70% (C) or better in Fundamentals of Art and Design.**

**MUSIC DEPARTMENT**

Scott County High School features one of Kentucky’s premiere high school music departments. The band and choir programs at SCHS and GCHS offer students opportunities to have fun and interact with other musicians while developing and refining individual musicianship, performing in the highest quality ensembles, cultivating leadership skills, and artistically expressing themselves. Music students are among the most involved, academically driven, and spirited groups in the school!

All bands and choirs meet the Arts and Humanities requirement. While students can prepare for a career in music and can choose a high school concentration in the arts, musically inclined students in *all career pathways* are encouraged to participate in four years of music ensembles, keeping in mind that many professions and colleges are particularly interested in depth and longevity of participation, regardless of collegiate major.

SCHS/GCHS students are able participate in music ensembles for 4 years and also take dual credit courses, attend ECS, play on athletic teams, and be involved in a variety of other programs.

**Choral Music** 1 credit Open to 9, 10, 11, 12

Choral Music (There will be choir at both SCHS and GCHS) – The choirs are *audition-only* ensembles for students who are willing to give total concentration as well as hard physical and vocal work during class. Students are expected to possess proficient singing skills. Students will study, rehearse, and perform music of various styles and difficulty. Students will also study music theory, history, and build music literacy skills. This course meets the state requirements for the Arts/Humanities credit. Regular attendance is a must and attendance at performances is compulsory. Our HS choirs have earned numerous accolades and have a strong tradition of excellence known throughout the mid-south. We look forward to having TWO outstanding HS choral programs in the district. **An outfit rental fee of $35 is required.**

**Piano 1** 1 credit Open to 9, 10, 11, 12

This course is designed to help students develop piano skills. The reading and playing of basic chords and simple melodies will be taught, progressively getting more challenging. An individualized approach will be used to encourage students to make progress at their own pace. Basic music theory and history of the Fine Arts is integrated throughout the year. This course meets the state requirement for the Arts/Humanities credit. Many students make impressive progress in one year! **A class fee of $15 is required, and covers the cost of the Piano Lesson Book(s), which students may keep at the end of the year.**
Piano 2 & 3  
1 credit  
Open to 10, 11, 12
This course is designed to help students continue to develop piano skills after having taken Piano 1. The reading and playing of additional chords and melodies will be taught, progressively getting more challenging. An individualized approach will be used to encourage students to make progress at their own pace. Basic music theory and history of the Fine Arts is integrated throughout the year. This course meets the state requirement for the Arts/Humanities credit. Many students make impressive progress in one year! A class fee of $15 is required, and covers the cost of the Piano Lesson Book(s), which students may keep at the end of the year.

Music Theory I  
1 credit  
Open to 10, 11, 12
This class is designed for music students seeking a deeper understanding of how music is structured and composed. Develop fundamentals of sight-singing, ear-training, and notation that will enhance your performance skills in any ensemble and prepare you for further musical study. Includes skills, techniques, and terminology of chordal analysis and compositional analysis. Homework is required. Students must have music training through at least one year of high school band, chorus or piano and must get the teacher’s approval. PREREQUISITE: Band, Choir or Piano.

Advanced Placement Music Theory  
1 credit  
Open to 10, 11, 12
Students will develop fundamentals of sight-singing, keyboard skills, ear-training, and notation. In addition, students will develop skills, techniques, and terminology of chordal analysis and composition. Homework is required. Students must have extensive music training through at least one year of high school band, chorus or piano and must get the teacher’s approval. PREREQUISITE: Band, Choir or Piano.

Music Theory 2  
1 credit  
Open to 11, 12
This class is designed for the college-bound music student. Students must have successfully completed AP Music Theory and get the teacher’s approval. Build upon the fundamentals of sight-singing, keyboard skills, ear-training, and notation at the level of a 2nd year college music theory student. Students will continue skills, techniques, and terminology of chordal analysis. Students will learn 20th century composition techniques. Homework is required. PREREQUISITE: AP Music Theory.
Scott County High School’s nationally recognized band program includes multiple leveled concert bands, basketball pep band, the Cardinal Marching Band, and opportunities for jazz and chamber music participation. Great Crossing High School will begin building its own band traditions with the same offerings.

- Students work to improve individual and group musicianship through productive and fun rehearsals, quality performances, and the study of worthwhile music literature.

- The Scott County and Great Crossing bands offer a creative outlet during the school day for students to artistically express themselves, develop and implement leadership skills, and participate in team building.

- Students acquire not only the technical and artistic skills to play an instrument well, but they gain the discipline and social awareness necessary to succeed in any course of study they may wish to pursue.

- Join the SCHS/GCHS Band family and get involved in one the most spirited and academically accomplished groups in the school. Extra opportunities for performances and travel are offered.

- All bands meet the state requirements for the Arts/Humanities credit. Students earn 1 credit per year in band.

- Students audition for band placement in the spring semester of the previous year.
Symphonic Winds (Honors Band) 1 credit Open to 9, 10, 11, 12

Course selection determined by Band Directors

Symphonic Winds is an audition-only group for the most accomplished students in the band program. Study, rehearse, and perform advanced literature of the highest quality from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Concert Band 1 credit Open to 9, 10, 11, 12

Course selection determined by Band Directors

Concert Band is an audition-only group for band students. Study, rehearse, and perform quality music of medium difficulty from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Band Percussion Class 1 credit Open to 9, 10, 11, 12

Course selection determined by Band Directors

Percussion class is an audition-only group for all of the percussionists in the SCHS band program. Develop and refine your performance skills while studying, rehearsing, and performing quality music of advanced and medium difficulty from all styles and periods. Students in the percussion class will integrate with the Cardinal Marching Band (football season only), Pep Band (basketball season only), and both Symphonic Winds and Concert Band. This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Intro to Band (Beginning Band & Preparatory Band) 1 credit Open to 9, 10, 11, 12

Course selection open and determined by Band Directors

Wish that you had learned how to play an instrument when you had the chance? Interested in trying something new? Want to connect with other students making music? This band is divided into 2-3 sections and is open to students who are interested in learning to play a band instrument (beginning band) and students who need additional instruction in order to reach proficiency on their instruments (preparatory band).

**Beginning Section** - No previous band experience is necessary, and we can assist you in choosing an instrument if you want to get involved but are undecided. Beginning students learn to properly produce a tone and read music. Beginning students will have two required performances, and will have the opportunity to integrate into the Cardinal Marching Band and pep band as skill levels progress.

**Preparatory Section** - Students in the preparatory section will be placed in this band through audition and director recommendation. Preparatory students will continue to refine tone production and note reading skills to reach proficiency, and begin to develop leadership skills in the band rehearsal. Preparatory students are included in the Cardinal Marching Band (football season only) and pep band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

**Secondary Section** – Open to senior band members concurrently enrolled in Symphonic Winds who are considering a career in music. Students can learn a “secondary instrument” and acquire experience in teaching others on the “primary instrument.” Students are placed in the secondary section only through director recommendation.
Jazz Band – After-School Class  

½ credit  
Open to 9, 10, 11, 12

Course selection determines by Band Directors

Jazz Bands 1 & 2 allow SCHS students to explore the complex American art form of jazz. Membership in a jazz band is by successful audition and permission by the instructor only. Rehearsals are from 3:55-4:45 on selected days. Each band performs at concerts, community events, and festivals.

Health and Physical Education

Health  
½ credit  
Open to 9, 10, 11, 12

This one-half credit course is designed to teach skills necessary for individual well-being and healthy family relationships. It also emphasizes the concepts students need to remain physically healthy and to accept responsibility for their own physical well-being. Students are taught strategies for becoming and remaining mentally and emotionally healthy.

Physical Education  
½ credit  
Open to 9, 10, 11, 12

In this one-half credit course, students will perform movement skills in a variety of settings. Students will acquire knowledge and skills that promote physical activity and life-long physical fitness. Emphasis will be placed on rules of behavior, fair play, and cooperation designed to enhance the quality of participation in games and activities that contribute to mental, emotional, and social health. Students will be required to dress out in clothing approved by the instructor.

Advanced P.E.  
½ credit  
Open to 10, 11, 12

This course is highly competitive in nature. It is designed for students who want to develop advanced athletic skills in both individual and group settings. Fitness skills will also be included and there will be periodic assessments to mark progress. Students will be required to dress out in clothing approved by the instructor. PREREQUISITE: Physical Education.
Aerobic Walking  
½ credit  
Open to 10, 11, 12
During this course, students will be given an opportunity to improve fitness levels by engaging in different types of walking activities ranging from leisure walking to speed walking. Pedometers will be used to track and mark progress. **Students will be required to dress out in clothing approved by the instructor.** Counts as the PE requirement.

**Strength and Conditioning**  
½ - 1 credit  
Open to 9, 10, 11, 12
This co-ed class is designed to offer students a chance to improve their current fitness levels. It will be geared towards health and skill related fitness components. Class activities will include exercise technique and form, safety awareness, flexibility, coordination and agility, balance, periodization training, different modes of resistance training, and plyometric training. There will be periodic assessments to mark progress. **Students will be required to pay a $20 class fee (SBDM approved).** Counts as the PE requirement.

**Female Strength and Conditioning**  
½ - 1 credit  
Open to 9, 10, 11, 12
An all-female class that focuses on the fitness aspect of Physical Education. Objectives of the course are to allow the student to evaluate, monitor, and improve her own fitness level in a noncompetitive environment. Personal development using a cross fit and resistance training approach with a focus on core development. Personal nutrition will be emphasized as it relates to the student’s training and personal development. **Students will be required to pay a $20 class fee (SBDM approved).** Counts as the PE requirement.

**Mathematics**

- All students must take four years of math in high school to include Algebra 1, Algebra 2, and Geometry. One credit will count as a math elective.
- Middle school courses taken for high school credit will impact the student’s GPA. Students earning less than an “A” in middle school courses that count for high school credit may retake those courses prior to entering the 10th grade in an attempt to be eligible for Valedictorian.
Algebra 1 1 credit Open to 9, 10
This course is designed to help students develop and strengthen their strategies for problem solving, including non-routine problems. It is intended for students who have demonstrated the study habits, maturity, and motivation to succeed in an algebra program. Students will gain an understanding of algebra by emphasizing concepts, structure, and applications. Problem solving, mathematical communication, reasoning, and mathematical connections will be stressed. Topics include an intensive study of one-variable equations, functions and inequalities, and introduction to two-variable graphing and families of functions, concepts of rate of change, and an intensive study of linear equations, polynomial operations, and factoring.

Honors Geometry 1 credit Open to 9
This course is open only to 9th grade students who have successfully completed Algebra 1 and is designed for college-bound students who are planning to take pre-calculus in the 11th grade. Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include construction, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics may include inequalities in triangles and circles and locus of points. Hands-on activities and interactive geometry software may be used to aid in students’ discovery process. TI-84+ graphing calculators are recommended. **PREREQUISITE:** Completion of Algebra 1 with a final average of at least 84%.

Algebra 2 1 credit Open to 11, 12
In addition to expanding the mathematical concepts of Algebra 1, emphasis shall be placed on preparation for study of higher mathematics such as abstract thinking skills, the function concept, and the algebraic solution of problems in various content areas. Topics include the complex number system, quadratic equations and inequalities, graphs of functions and relations, exponential functions, probability, and statistics. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **A graphing calculator is required.** **PREREQUISITE:** Algebra 1, Geometry, or taking Geometry concurrently.

Honors Algebra 2 1 credit Open to 10
This course is designed for students who intend to study calculus. It expands the regular Algebra 2 content to include higher order problems, appropriate use of graphing technology and integration of Geometry and Algebra. **A graphing calculator is required.** **PREREQUISITE:** Must have taken Honors Geometry in 9th grade or teacher recommendation.

Geometry 1 credit Open to 10, 11, 12
Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include constructions, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics can include inequalities in triangles and circles and locus of points. TI-84 graphing calculators are recommended. **PREREQUISITE:** Algebra 1.

12th Integrated Math 1 credit Open to 12
This year-long course is designed to strengthen basic algebraic and problem solving skills so students may successfully show College and Career readiness (reaching benchmark on ACT). This course will satisfy the SCHS 4th year of math for graduation. It is open to seniors who have passed Algebra 1, Geometry, and Algebra
Algebra 3  
1 credit  
Open to 12  
This year-long course is designed as the 4th year of math after Algebra 2. In this course students will study various types of equations, such as linear, quadratic, exponential, trigonometric, and logarithmic, as well as some modeling and application problems. Students will be given opportunities to solve real-world math problems, graph and analyze data, and improve algebraic and abstract thinking skills. This course goes beyond the math covered in Algebra 2 and is meant to help prepare students to succeed in college math courses. It is open to seniors who need a fourth math credit and have passed Algebra 1, Geometry, and Algebra 2.

MAT 114 College Algebra (Dual Credit)  
1 high school credit per course  
Open to 12  
This dual credit course is designed for students with a strong math background who do not plan to major in a math, science, or business in college. This course will count for senior math credit as well as 3 hours of college credit at any state university in Kentucky. MAT 114 is offered through EKU, but taught on the high school campus. Enrollment requirements: ACT scores of 22 in math, 18 in English, and 20 in reading, GPA requirement of 3.0.

Pre-calculus  
1 credit  
Open to 11, 12  
This course is designed to prepare students to take college level calculus, either AP Calculus or a college course in calculus. It includes an emphasis on functions: linear, polynomial, rational, trigonometric, logarithmic, and exponential. Students will make appropriate use of technology. A graphing calculator is required. PREREQUISITE: Geometry and Algebra 2.

Honors Pre-calculus  
1 credit  
Open to 11, 12  
This course is designed to prepare students to take AP Calculus. It includes an emphasis on polynomial, rational, trigonometric, logarithmic, and exponential functions. Polar coordinates will be explored along with conic sections. The course ends with a preview of calculus including limits. A graphing calculator is required. PREREQUISITE: Honors Algebra 2 (C or higher), Algebra 2 (B or higher with teacher recommendation), and Geometry.

Advanced Placement Calculus AB  
1 credit  
Open to 12  
This course has been designed as a rigorous and relevant study of calculus that is taught at an accelerated rate. All topics tested on the AP Calculus AB exam will be covered. The course is meant to provide students with an in-depth knowledge of the study of calculus by investing concepts analytically, graphically, verbally, and numerically. By the end of the course, students should be well prepared for the AP Calculus AB Exam which could result in college credit for Calculus I. Requirements: TI-84+ graphing calculator. For a more in-depth description, go to APCentral.com. PREREQUISITE: Honors Pre-calculus or Pre-Calculus with teacher recommendation.

Advanced Placement Calculus BC  
1 credit  
Open to 12  
This course has been designed as a rigorous and relevant study of calculus that is taught at an accelerated rate. All topics tested on the AP Calculus AB exam will be covered. The course is meant to provide students with an in-depth knowledge of the study of calculus by investing concepts analytically, graphically, verbally, and numerically. AP Calculus BC includes all topics from AB plus several others. By the end of the course
students should be well prepared for the AP Calculus BC exam which could result in college credit for both Calculus I and Calculus II. For a more in-depth description, go to APCentral.com. **PREREQUISITE: Honors Pre-Calculus.**

**Advanced Placement Statistics** 1 credit Open to 11, 12
The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:
1. Exploring Data: describing patterns and departures from patterns
2. Sampling and Experimentation: planning and conducting a study
3. Anticipating Patterns: exploring random phenomena using probability and simulation
4. Statistical Inference: estimating population parameters and testing hypotheses.
**PREREQUISITE: Algebra 2**
Requirements: TI-84+ graphing calculator.

**Advanced Placement Computer Science Principles** 1 credit Open to 10, 11, 12
The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. You will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. For more information on this new AP course, visit: [AP Computer Science Principles](https://apcentral.collegeboard.org/courses/ap-computer-science-principles).

**Science**

**Biology** 1 credit Open to 9, 10, 11
This course is designed to give a complete overview of the world of living organisms, their diversity, function, and relationship to the environment. Topics of study include cell biology, bioenergetics, reproduction, genetics, and evolution. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. There is a $10 fee for materials.
Honors Biology 1 credit Open to 9, 10, 11
This is a classic high school biology course delivered with an increased level of rigor and focus on scientific practices that will prepare a student well for AP Biology or Dual Credit Biology. Topics of study include cell biology, bioenergetics, reproduction, genetics, and evolution. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. There is a $15 fee for materials. PREREQUISITE: Algebra I or concurrently taking Algebra I.

Agri-Biology 1 credit Open to 9, 10, 11
This course fulfills the life science credit. See description in Agricultural Sciences section. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. PREREQUISITE: Student must be in an Agriculture Pathway.

Advanced Placement Biology 1 credit Open to 11, 12
AP Biology covers the equivalent of a college course in introductory biology. The aim of the course is to achieve knowledge of concepts and processes of biology and an understanding of the means by which biological information is collected and interpreted. The course consists of the following segments: molecular and cellular biology, organism biology, population biology, and ecology. The two page course overview provided by the College Board can be found at: Two Page Overview. There is a $15 lab fee for materials. PREREQUISITE: Chemistry and Biology.

BIO 111/112 College Biology (Dual Credit) 1 high school credit per course Open to 11, 12
These dual credit courses are designed for students with a strong science background who plan to pursue science further in college. BIO 111 is an introduction to fundamental principles of cell and molecular biology. BIO 112 is an introduction to the fundamental principles of ecology and evolution. BIO 111/112 are offered through EKU, but taught on the high school campus. These courses will count for one high school science credit each and a total of 6 hours of college credit at any state university in Kentucky when taken together. Enrollment requirements: ACT scores of 22 in math, 18 in English, and 20 in reading, GPA requirement of 3.0.

Chemistry 1 credit Open to 11 (if credit has not been previously earned)
This course uses modeling and scientific reasoning to develop understanding of the Next Generation Science Standards. Students will study atomic structure, bonding, intermolecular forces, nuclear reactions, chemical reactions, reaction rates, thermodynamics and equilibrium. Laboratory experiments, demonstrations, and activities are an integral part of this course. There is a $10 fee for materials used in class. This class does NOT serve as a preparatory class for Advanced Placement Chemistry. PREREQUISITE: Biology.

Honors Chemistry 1 credit Open to 11 (if credit has not been previously earned)
This course uses modeling and scientific reasoning to develop understanding of the Next Generation Science Standards. Students will study atomic structure, bonding, intermolecular forces, nuclear reactions, chemical reactions, reaction rates, thermodynamics and equilibrium. Laboratory experiments, demonstrations, and activities are an integral part of this course. There is a $10 fee for materials used in class. This class is a prerequisite for Advanced Placement Chemistry. PREREQUISITE: Biology, Algebra 1 and Algebra 2, or currently taking Algebra 2.
Advanced Placement Chemistry  
**1 credit**  
Open to 11, 12

This course covers the equivalent of a college course in chemistry. The aim of the course is to achieve knowledge of concepts and processes of chemistry. The course will focus on stoichiometry, electrochemistry, thermodynamics, thermochemistry, kinetics, equilibrium, and acid-base. The two page course overview provided by the College Board can be found at: **Two Page Overview**. There is a **$10** lab fee for materials. **PREREQUISITE:** Honors Chemistry, Pre-calculus or currently taking Pre-calculus.

Physics  
**1 credit**  
Open to 11, 12

This course is designed for students with a strong foundation in mathematics and the physical sciences. The format will include lecture, discussion, problem-solving, and laboratory work. Quantitative skills learned in second year algebra/trigonometry and chemistry will be employed in the problem solving concepts covered. General areas of study will include concepts of mechanics, motion, waves, light, sound, magnetism, and electricity. There is a $10 fee for materials used in this class. **PREREQUISITE:** Algebra 1, Geometry, and Algebra 2, or currently taking Algebra 2.

Advanced Placement Physics 1  
**1 credit**  
Open to 11, 12

The AP Physics B course is now separated into two, full-year courses allowing students to achieve in-depth understanding. They will have more time for hands-on explorations of physics content and inquiry labs. Advanced Placement Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The two page course overview provided by the College Board can be found at: **Two Page Overview**. There is a **$10** fee for materials used in class. **PREREQUISITE:** Algebra 1, Geometry, and Algebra 2, and currently taking pre-AP science and pre-calculus.

Advanced Placement Environmental Science  
**1 credit**  
Open to 11, 12

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. It focuses on earth systems and resources, the living world, population, land and water use, energy resources and consumption, and pollution and global change. The two page course overview provided by the College Board can be found at: **Two Page Overview**. There is a **$10** fee for materials used in class.

Forensic Science  
**1 credit**  
Open to 9 (ECS), 11, 12

This elective class is designed to integrate all of the sciences: biology, chemistry, physics, earth science as well as mathematics, in the study of crime scene investigations both in the field and in the laboratory. Emphasis will be on performing sample crime scene investigations and using technology for simulated crime scene work. There is a **$10** fee for materials used in class. **PREREQUISITE:** Biology or Chemistry.

Anatomy and Physiology  
**1 credit**  
Open to 11, 12

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. This course is highly recommended for students wanting to enter the medical field. Topics covered will include the basic organization of the body, biochemical composition, and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies
related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body, students will learn through reading materials, study guides, unit worksheets, group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, lab reports, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college. There is a $15 fee for materials used in class. PREREQUISITE: Chemistry.

**Zoology**  
½ Credit  
Open to 10, 11, 12  
A ½ credit science elective that offers students a chance to explore the diversity of animal life on our planet. Students will explore anatomical features of all existing animal phyla and gain an understanding of variations in reproductive and physiological strategies that the different groups employ in both aquatic and terrestrial ecosystems. This course is designed to be a useful stepping-stone to students interested in biology-heavy majors in college and biomedical career pathways. There is a $10 fee for materials used in this class.

**Microbiology**  
½ Credit  
Open to 10, 11, 12  
A ½ credit science elective that offers students a chance to explore the diversity of microscopic organisms and some other non-living pathogens that have a profound influence on our lives. Topics addressed include identification of types of microbes, ecological significance of microbes, and human health impacts of microbes. This course addresses critical content for bioengineering and biomedical career pathways. There is a $10 fee for materials used in this class.
Social Studies

Honors Social Studies 1 credit Open to 9
The Pre-AP Social Studies course is designed for students whose basic skills and achievement exceed the requirements for Introduction to Social Studies. Students selecting this course will receive instruction on a faster pace with the expectation of completion of outside assignments. The course will survey a variety of topics in government, geography, and economics. Analytical writing about these topics will prepare students for the challenges of AP classes. **PREREQUISITE:** Teachers suggest that students have a 90% average in Social Studies at the end of their eighth grade year.

Introduction to Social Studies 1 credit Open to 9
This course is an overview of many of the disciplines of social studies. The purpose of the course is to introduce life skills necessary to become a productive community member as well as basic skills needed to succeed in higher-level social studies courses. Areas of study include economics, geography, civics, and government. Thinking, reasoning, and cultural diversity are integrated throughout the course.

Advanced Placement U.S. Government & Politics 1 credit Open to 9, 11, 12
This is a challenging, college level course in which students will gain a comprehensive understanding of the structure and inner workings of the government and politics of the United States. Topics will include the following: the constitutional underpinnings of the U.S. government, the political beliefs and behaviors of individuals, political parties, interest groups and mass media, the institutions of federal government (including Congress, the presidents and the executive branch bureaucracy, and the federal courts), the formulation and shaping of public policy, and civil rights and civil liberties. The primary goal of the course is to prepare students to take the AP U.S. Government and Politics exam. Students must complete extensive reading and writing assignments and actively participate in class. **Completion of a summer reading assignment is required.**

World History in Modern Times 1 credit Open to 10
The World History course will extend students’ knowledge of the world gained in middle school, reviewing civilizations after 1500. Students will comprehend the contemporary world, based on an understanding and appreciation of the past. The course shall embrace a global view of the history of humankind. The course will be interdisciplinary, drawing on concepts from social studies disciplines, including history, anthropology, economics, geography, political science, psychology, and sociology, as well as utilizing the arts, literature, and philosophy.
Advanced Placement World History  1 credit  Open to 10
The purpose of AP World History is to understand how human societies develop over time. AP World History will focus equally on the history of Africa, Asia, South America, the Middle East, Europe and North America. Students will learn how to analyze and develop conclusions about the causes and effects of history. Students will learn how factors such as disease, war, trade, culture, geography, gender, governments, technology, and invention shape the world we live in today. To be successful, students must complete extensive reading and writing assignments along with actively participating in the class discussions. Required completion of a summer assignment.

U.S. History  1 credit  Open to 11
The United States History course serves as a capstone to the study of America’s history in fifth through eighth grades. The focus will be on colonization to the present, looking at the forces that shaped and continue to shape political, economic, and social institutions and the impact of those forces on the development of the United States in the Twentieth Century.

Advanced Placement U.S. History  1 credit  Open to 11
This is a challenging, college level course in which students will gain a comprehensive understanding of American literature and history. The primary goal of the course is to prepare students to take the AP exam in U.S. History. To be successful, students must complete extensive reading and writing assignments and actively participate in class. Required completion of a summer assignment.

Advanced Placement Art History  1 credit  Open to 10, 11, 12
In AP Art History, students learn and apply skills of visual, contextual, and comparative analysis to examine a variety of art forms and styles, from prehistoric to the present, from all areas of the globe, including Africa, the Middle East, Asia, the Americas, and Europe. Students will examine significant works of art from a huge variety of geographies and time periods in order to understand interconnections and diverse artistic traditions, and to comprehend the nature, uses, meanings, and responses to art. Students may take AP Art History in 10th, 11th, or 12th grade, but those who have first taken AP World History and AP U.S. History will have more context and historical background for the content. Successful completion of this course will also satisfy the arts/humanities credit for graduation.

Sociology  1 credit  Open to 11, 12
This course is designed to introduce students to sociological concepts, theories, and principles. It offers a description and analysis of selected social problems, their causes, effects, and social responses to these problems. It will introduce the student to the diversity of human cultural experience in the contemporary world.

Psychology  1 credit  Open to 10, 11, 12
This class deals with the study of human behavior and its influence on one’s own life and behavior. In addition, psychology seeks to understand and explain thoughts, emotions, feelings, and behavior. Depending on the topic of study, students will use techniques such as observation, assessment, and experimentation to develop theories about the beliefs and feelings that influence a person’s actions.
Advanced Placement Psychology 1 credit Open to 11, 12
As a college level course, the purpose of AP Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. At the end of the class, students will be able to take the AP Psychology exam which can lead to the student earning college credit in that field. The class is open to all juniors and seniors. Regular psychology is not a pre-requisite for this course.

World Languages

French 1 1 credit Open to 9, 10, 11
This course is designed to develop language skills and to prepare students for living in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Topics include: telling time, talking about school and classes, expressing likes and dislikes, greeting others, knowing the terminology for numbers, clothing, and food, and discussing family. All of this will be taught in a contemporary cultural context from countries in the French speaking world.

Although world language courses are not required for graduation, all students are encouraged to take a minimum of two years of the same World Language, and should start in the 9th grade year. This will give them the opportunity to take four years of the language ending with the AP class. A two year minimum is part of the pre-college curriculum, but many colleges are also looking for language proficiency in reading, writing, speaking, and listening rather than just credits earned. We encourage students to take as many courses as possible to reach their desired level of target language proficiency.
French 2  
1 credit  
Open to 10, 11, 12
This course is a continuation of French 1, in which students continue to develop language skills and prepare to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include past, present and future time frames. Students will learn French in a contemporary cultural context, including topics with food, housing, and regions of France. Topics include: pastime activities, daily routine, food, sports and health, and film discussions. **PREREQUISITE:** French 1 or equivalent level.

Honors French 3  
1 credit  
Open to 11, 12
This course is a continuation of French 2, in which students continue to develop language skills needed to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include multiple time frames. Students will learn French in a contemporary cultural context, including topics with travel and French-speaking countries. Course will be conducted primarily in French. Topics include: navigating an airport, making reservations at a hotel, advanced descriptions of people and objects, relationships, shopping, driving, and professions. **PREREQUISITE:** French 2 or equivalent level.

Advanced Placement French  
1 credit  
Open to 12
This college-level class is the capstone course of our program. Students will focus on refining their skills in the areas of speaking, reading, listening, and writing, all presented in cultural context. AP French is organized around the following six themes as outlined by College Board: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. Course will be conducted primarily in French. Students are eligible to take the AP French test with the opportunity to earn college credit. **PREREQUISITE:** Honors French 3 or equivalent level.

German 1  
1 credit  
Open to 9, 10, 11
German 1 introduces students to the German language and culture. Skills of speaking, listening, reading, and writing will be developed through various activities and assignments including cultural activities. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will learn to converse on subjects such as school, family, home, clothing, leisure activities, and be introduced to the role of Germany in today’s economic and political world. Proficiency goal by the end of the course is Novice High on the ACTFL scale. *This course is taught on the GCHS campus and is available to SCHS students via an online/video format.*

German 2  
1 credit  
Open to 10, 11, 12
German 2 further develops the skills of speaking, listening, reading and writing in the German language that were introduced in German 1. Students will learn to communicate in situations in the broader society such as health, home, travel, and community. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will be expected to expand their knowledge on Germany’s influence on the world – both in the past and present – in the economy, politics, environment, energy, and technology. Proficiency goal by the end of the course is Intermediate Low on the ACTFL scale. **PREREQUISITE:** German 1 or equivalent level. *This course is taught on the GCHS campus and is available to SCHS students via an online/video format.*
Honors German 3

1 credit
Open to 11, 12
German 3 expands conversational skills as well as speaking, listening, reading, and writing in the German language. Students will be encouraged to begin thinking and conversing with others in German. Students will read short stories as related to the specific content. Grammar points will be addressed as they arise. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will be expected to expand their knowledge on Germany’s influence on the world – both in the past and present – in economics, politics, environment, energy, technology, philosophy, education, and community. Proficiency goal by the end of the course is Intermediate Mid on the ACTFL scale.

PREREQUISITE: German 2 or equivalent level. *This course is taught on the GCHS campus and is available to SCHS students via an online/video format.

Advanced Placement German

1 credit
Open to 12
Advanced Placement German is designed for college bound students to reflect a third-year college course in German. The course is considered “upper level” and should challenge the students. An emphasis is placed on improving conversational, reading comprehension, listening, and writing skills. Students must be prepared to speak exclusively in German – as the teacher will do the same. All directions, instructions, and activities are written in German and should be completed in German. Shall a question arise, please be prepared to work around the word you do not understand using the technique of circumlocution. AP German will be organized around the following six themes: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. This course will provide students with a fresh way to learn to use the German language and culture. All students are expected to take the AP Exam administered by the College Board in May. Proficiency goal by the end of the course is Advanced Low on the ACTFL scale. PREREQUISITE: Honors German 3 or equivalent level. *This course is taught on the GCHS campus and is available to SCHS students via an online/video format.

Japanese 1

1 credit
Open to 9, 10, 11
Japanese 1 introduces students to the Japanese language and culture. Skills of speaking, listening, reading, and writing will be developed through various activities and assignments. Students also learn Japanese culture through a variety of activities. An affordable two week home stay program in Japan is offered each year for up to five Japanese language students who excel in the classroom with priority given to those in the upper levels.

Japanese 2

1 credit
Open to 10, 11, 12
This course will continue the language skills (listening, speaking, reading, and writing) begun in Japanese 1. The study of Japanese culture will also continue. PREREQUISITE: Japanese 1 or equivalent level.

Honors Japanese 3

1 credit
Open to 11, 12
This course will continue the language skills (listening, speaking, reading, and writing) covered in Japanese 2. The study of Japanese culture will continue. PREREQUISITE: Japanese 2 or equivalent level.

Advanced Placement Japanese /Japanese 4

1 credit
Open to 12
Students will continue to expand language skills learned in Japanese 1-3. Japanese culture will continue to be studied. PREREQUISITE: Honors Japanese 3 or equivalent level.
Spanish 1  
1 credit  
Open to 9, 10, 11

In this introductory Spanish language course students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of school, family, home, and leisure activities. They will develop global awareness by studying the rich culture and heritage of Hispanic citizens in the U.S. as well as other countries.

Spanish 2  
1 credit  
Open to 10, 11, 12

In Spanish 2, students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of healthful eating, hospitality, daily routines, and seeing a doctor. They will further develop global awareness by studying the rich culture and heritage of Hispanic countries. **PREREQUISITE: Spanish 1 or equivalent level.**

Honors Spanish 3  
1 credit  
Open to 11, 12

This honors Spanish course is for students considering continued studies in Advanced Placement. Students are expected to use more Spanish in daily classroom interactions. They practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through various themes organized around authentic tasks. They will progress towards global citizenship through greater awareness of international issues and perspectives. **PREREQUISITE: Spanish 2 or equivalent level.**

Advanced Placement Spanish  
1 credit  
Open to 12 and approved native speakers

Advanced Placement Spanish is a course for college-bound students who want to earn college credit while in high school. Students learn advanced grammar structures and increase vocabulary. Students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through AP themes of community, science and technology, beauty, contemporary life, global challenges, and personal and public identities. Students are strongly encouraged to take the AP examination. **PREREQUISITE: Honors Spanish 3 or equivalent level.**
Additional Options

Dual Credit Courses  1 high school credit per course  Open to 11, 12
In Dual Credit, a student is enrolled in a course which allows him/her to earn high school credit and college credit simultaneously. Courses may be taught on a college campus or on a high school campus, but it will be in conjunction with a college or university. Even though these courses are considered dual credit, the student is responsible for submitting his/her college transcript to the Guidance Office. Some local institutions participate in the state’s Dual Credit Scholarship Program (Midway University, BCTC, University of Kentucky, Eastern Kentucky University) where eligible students may be awarded funds for up to two courses per academic year, not to exceed nine credit hours over the course of their high school career. See pages 92 – 104 for details. PREREQUISITE: The state requires students to complete a 30-minute college success counseling session in order to participate in the Dual Credit Scholarship Program.

Teacher Aide  Non-Credit  Open to 12
Students will be assigned to work with a teacher in the high school or in an office situation. PREREQUISITE: minimum of 18 credits and a minimum GPA of 2.75.

Peer Tutoring  1 credit  Open to 11, 12
This is a one credit course which assigns students to be peer tutors for students in the FMD/special education unit or ESL (English as a Second Language) students. PREREQUISITE: minimum of 17 credits, a minimum 2.75 GPA, and a teacher/counselor recommendation. Students interested in ESL tutoring must have a strong background in the Spanish language.
## GREAT CROSSING HIGH SCHOOL
### CTE PATHWAYS

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<th>INFORMATION TECHNOLOGY</th>
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<tr>
<td><strong>WELDING ENGINEERING</strong></td>
<td><strong>WELDING MAINTENANCE TECHNICIAN</strong></td>
<td><strong>WEB DEVELOPMENT AND ADMINISTRATION</strong></td>
</tr>
<tr>
<td>COURSE I INTRODUCTION TO ENGINEERING DESIGN (PLTW)</td>
<td>COURSE I BASIC TROUBLESHOOTING/BASIC BLUEPRINT READING OR SHOP MANAGEMENT or INTRODUCTION TO ENGINEERING DESIGN (PLTW)</td>
<td>COURSE I COMPUTER LITERACY OR DIGITAL LITERACY</td>
</tr>
<tr>
<td><strong>offered at ECS</strong></td>
<td><strong>offered at ECS</strong></td>
<td>COURSE II WEB PAGE DEVELOPMENT</td>
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<tr>
<td>COURSE II PRINCIPLES OF ENGINEERING (PLTW)</td>
<td>COURSE II WELDING FOR MAINTENANCE</td>
<td>COURSE III WEBSITE DESIGN AND PRODUCTION</td>
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<tr>
<td><strong>offered at ECS</strong></td>
<td>COURSE III SHIELDED METAL ARC WELDING</td>
<td>COURSE IV TECHNOLOGY HELP DESK</td>
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<tr>
<td>COURSE III BLUEPRINT READING FOR WELDING CUTTING PROCESSES</td>
<td>COURSE IV GAS METAL ARC WELDING WORK-BASED LEARNING</td>
<td>WORK-BASED LEARNING</td>
</tr>
<tr>
<td>COURSE IV GAS METAL ARC WELDING</td>
<td><strong>INDUSTRY CERTIFICATIONS</strong></td>
<td><strong>INDUSTRY CERTIFICATIONS</strong></td>
</tr>
<tr>
<td><strong>INDUSTRY CERTIFICATIONS</strong></td>
<td></td>
<td>CERTIPORT DIGITAL LITERACY IC3</td>
</tr>
<tr>
<td>2-F (AWS) Welding REC-Foundation Pre-Engineering Certification OSHA 10 OSHA 30 KY Transportation 3-G</td>
<td>FCR-01 Certified Robot Operator AWS Welding AMTEC AWS Sense Certification MSSC-Certified Production Technician NIMS—Industrial Maintenance KY Dept. of Transportation 3-G</td>
<td>HELP DESK INSTITUTE: Support Center Analyst Support Center Director Support Center Manager Support Center Team Lead KNOWLEDGE CENTER SUPPORT PRINCIPLE MICROSOFT TECHNOLOGY ASSOCIATE: Cloud Fundamentals Mobility and Device Fundamentals Windows Operating System Fundamentals Windows Server Administration Fundamentals</td>
</tr>
<tr>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
</tr>
<tr>
<td>Advanced Manufacturing Business &amp; IT Services Construction Transportation &amp; Logistics</td>
<td>Advanced Manufacturing Business &amp; IT Services Construction Transportation &amp; Logistics</td>
<td>Business &amp; IT Services</td>
</tr>
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**Manufacturing Technology (GCHS)**

**WELDING MAINTENANCE TECHNICIAN PATHWAY**

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Open To</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Welding I</strong></td>
<td>1</td>
<td>9, 10, 11, 12</td>
</tr>
<tr>
<td>This course covers both Oxy-fuel Systems (480523 and Basic Welding 480503) sections under the welding curriculum. The description for each course is provided for clarification of what will be covered during the year.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oxy-fuel Systems WLD 100</strong> — This curriculum provides a working knowledge of: oxy-fuel identification, set up, inspection, and maintenance; consumable identification, selection and care; principles of operation; and effects of variables for manual and mechanized oxy-fuel cutting, welding, brazing principles and practice, and metallurgy. Shop safety and equipment use are also covered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Basic Welding A ELD 151</strong> — Introduction to welding, cutting processes, and related equipment. Basic setup, operation, and related safety are applied. Student will be able to practice welding safety throughout the curriculum along with gaining a full understanding of how to setup and operate a cutting torch and the basic stick welder.</td>
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<tr>
<td><strong>Welding II</strong></td>
<td>1</td>
<td>10, 11, 12</td>
</tr>
<tr>
<td>This course will focus on Gas Metal Arc Welding procedures. Identification, inspection, and maintenance of GMAW machines; identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included. This course will include both the Gas Metal Arc Welding (GMAW) WLD 140 and GMAW Lab WLD 143.</td>
<td></td>
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</tr>
<tr>
<td><strong>Welding III</strong></td>
<td>1</td>
<td>11, 12</td>
</tr>
<tr>
<td>This course will cover Shielded Metal Arc Welding, Cutting Processes, and Blueprint Reading for Welding, and Gas Tungsten Arc Welding processes. The description for each course is provided for clarification of what will be covered during the year.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shielded Metal Arc Welding WLD 120</strong> — Teaches students the identification, inspection, and maintenance of SMAW electrodes; principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe; and metallurgy.</td>
<td></td>
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</tr>
<tr>
<td><strong>Cutting Processes WLD 110</strong> — A working knowledge of various cutting processes used by the welding industry. Will include, but is not limited to safety, theory of operation, setup and operating techniques, troubleshooting, and making minor equipment repairs, terms and definitions, identification, evaluation, repair and prevention of discontinuities of cut surfaces. Includes oxy-fuel cutting, plasma arc cutting, exothermic cutting, air carbon arc cutting, shielded metal arc cutting, and mechanical cutting process.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Blueprint Reading for Welding WLD 170</strong> — Provides a study of occupationally specific prints for welders. Advanced study of multi-view drawings, assembly drawings, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control charts and diagrams, working drawings, geometric dimensioning and tolerance and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specification interpretations are stressed.</td>
<td></td>
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</tr>
</tbody>
</table>
Gas Tungsten Arc Welding WLD 130—Identification, inspection, and maintenance of GTAW machines; identification, selection and storage of GTAW electrodes; principles of GTAW; the effects of variables on the GTAW process; and metallurgy. This course also teaches the theory and application of Plasma Arc Cutting.

Welding IV 1 credit Open to 11, 12
This year long course will cover SMAW Groove Welds with Backing Lab and SMAW Open Groove Lab. The description for each course is provided for clarification of what will be covered during the year.

SMAW Groove Welds with Backing Lab WLD 123—Provides experiences in which students acquire the manipulative skills to do groove welds in all positions with backing. This lab experience will result in the student testing for the American Welding Society certification that is industry recognized across the nation.

SMAW Open Groove Lab WLD 225—Designed to build upon SMAW Plate Lab I and II. Offers the student the opportunity to advance skills in the practical aspects of v-butt plate welding using SMAW. This lab experience will result in the student testing for the American Welding Society certification that is industry recognized across the nation.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welder</td>
<td>$29,000.00 to $43,000.00 a year</td>
</tr>
<tr>
<td>Pipefitter</td>
<td>$34,000.00 to $64,000.00 a year</td>
</tr>
<tr>
<td>Ironworker</td>
<td>$40,000.00 to $55,000.00 a year</td>
</tr>
<tr>
<td>TIG Welder</td>
<td>$28,000.00 to $63,000.00 a year</td>
</tr>
<tr>
<td>Certified Welding Inspector</td>
<td>$37,000.00 to $74,000.00 a year</td>
</tr>
<tr>
<td>Welding Engineer</td>
<td>$52,000.00 to $105,000.00 a year</td>
</tr>
<tr>
<td>Structural Engineer</td>
<td>$50,000.00 to $95,000.00 a year</td>
</tr>
<tr>
<td>Boilermaker</td>
<td>$38,000.00 to $70,000.00 a year</td>
</tr>
</tbody>
</table>

Information Technology Pathway (GCHS)

WEB DEVELOPMENT & ADMINISTRATION PATHWAY

Computer Literacy 1 Credit Open to 9, 10, 11, 12
Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and e-mail to prepare elementary documents and reports. This course will also cover the impact of computers on society and the ethical issues presented as technology becomes increasingly utilized in all aspects of life.
Web Page Development 1 Credit Open to 10, 11, 12
Students will begin this course with web page design and the introduction of HTML. Students will learn to create web documents by using a simple text editor. Features such as layout, tables, images, forms, frames, and the incorporation of sound and video will be explored. Developing site specification and methods to increase the appeal and effectiveness of websites are included. Students learn to prepare web documents that are appropriate for business and professional web sites. This course introduces CSS and emphasizes W3C web design and accessibility standards. This course also introduces students to the visual and artistic components of web design. Students will learn how to use Photoshop and Illustrator to format and design backgrounds, buttons, images, and enhance web pages. Students will also utilize videography and photography to enhance web sites.

Web Site Design and Production 1 Credit Open to 10, 11, 12
This course gives the student an experience with advanced topics in planning and implementing a professional web site. Students will explore emerging technologies used in creating interactive web pages that incorporate cascading style sheets, DHTML, JavaScript, multimedia, and graphics. Students will learn to design a cross-browser web site and different monitor resolutions should be covered. Web site production will be introduces with emphasis on design layout, navigation, interactivity and using web production software. In addition to coding a webpage, students will the digital and artistic components of web design. Students will continue refining use of advanced technology to enhance pages and web sites.

Tech Help Desk 1 Credit Open to 11, 12
This course introduces a variety of tools and techniques to provide user support in help desk operations. Students will explore help desk concepts, customer service skills, troubleshooting problems, writing for end users, use of help-desk operations software, needs analysis, facilities management, and other topics related to end user support. Students will be officially interning with the local school district solving network, hardware, and software issues across the district. PREREQUISITE: Completion of two courses in the Web Development and Administration Pathway.

Information Tech (and Co-op) 1 Credit Open to 12
Cooperative Education I provides supervised on-the-job work experience related to the students’ educational objectives. To be enrolled in the Cooperative Education course, Cooperative Program Standards must be followed. The pathway teacher and director for CTE must approve ALL students to be enrolled in the cooperative education program. Students who participate receive a salary for these experiences, in accordance with local, state, and federal minimum wage requirements according to the Work Based Learning Guide. PREREQUISITE: Students must have two courses in the Web Development and Administration Pathway and be enrolled in a third course, have a “C” average in the pathway, and have good attendance (student may not be truant).

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Systems Analyst</td>
<td>$50,000.00 to $85,000.00 a year</td>
</tr>
<tr>
<td>Computer Network Specialist</td>
<td>$42,000.00 to $73,000.00 a year</td>
</tr>
<tr>
<td>Computer Programmer</td>
<td>$44,000.00 to $80,000.00 a year</td>
</tr>
<tr>
<td>Database Developer</td>
<td>$48,000.00 to $86,000.00 a year</td>
</tr>
<tr>
<td>E-Business Consultant</td>
<td>$50,000.00 to $85,000.00 a year</td>
</tr>
<tr>
<td>Information Security Analyst</td>
<td>$45,000.00 to $87,000.00 a year</td>
</tr>
<tr>
<td>Multimedia Developer</td>
<td>$38,000.00 to $63,000.00 a year</td>
</tr>
<tr>
<td>Web Developer</td>
<td>$33,000.00 to $59,000.00 a year</td>
</tr>
<tr>
<td>Webmaster</td>
<td>$33,000.00 to $59,000.00 a year</td>
</tr>
</tbody>
</table>
# GREAT CROSSING HIGH SCHOOL
## CTE PATHWAYS

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<th>FAMILY &amp; CONSUMER SCIENCES</th>
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<td><strong>HORTICULTURE &amp; PLANT SYSTEMS</strong></td>
<td><strong>COURSE I</strong></td>
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<td><strong>COURSE II</strong></td>
<td><strong>COURSE II</strong></td>
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<tr>
<td>PRINCIPLES OF AGRICULTURAL SCIENCE AND TECHNOLOGY</td>
<td>FACS ESSENTIALS</td>
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<td><strong>COURSE II</strong></td>
<td><strong>COURSE II</strong></td>
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<tr>
<td>AGRIBUSINESS COURSE</td>
<td>FOODS &amp; NUTRITION</td>
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<td><strong>COURSE III</strong></td>
<td><strong>COURSE III</strong></td>
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<td>SMALL POWER EQUIPMENT</td>
<td>MONEY SKILLS</td>
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<td><strong>COURSE IV</strong></td>
<td><strong>COURSE IV</strong></td>
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<tr>
<td>AG POWER MACHINERY &amp; OPERATION</td>
<td>RELATIONSHIPS</td>
</tr>
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### WORK-BASED LEARNING

**INDUSTRY CERTIFICATIONS**
- AWS Sense Certification (Level 1)
- Equipment and Engine Training Council Four Stroke
- ICEV Equipment and Engine Training Council Principles of Small Engine Technology
- MSSC—Certified Production Technician (CPT)

**INDUSTRY CERTIFICATIONS**
- iCEV Bayer Crop and Plant Science
- KY Dept. of Ag Pesticide Operator Certification:
  - Agriculture Pests
  - Forest
  - Turf & Ornamental Plants
  - Golf Course
  - Interior Plantscape
  - Athletic Turf

### CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS

**CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS**
- Business & IT Services
- Advanced Manufacturing
- Transportation & Logistics

**CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS**
- Business & IT Services
- Entrepreneurship

**CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS**
- Healthcare
- Transportation & Logistics
- Retail Trade

**CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS**
- Entrepreneurship
- Public Administration
- Accommodation and Food Services
GREAT CROSSING HIGH SCHOOL – AG PATHWAYS

Introductory Classes to all Agriculture Pathways:

Principles of Agriculture Science & Technology 1 credit Open to 9, 10
This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Additionally, FFA curriculum and instruction is a major part of this course.

Agribusiness 1 credit Open to 10, 11, 12
This course introduces the free enterprise system, the study of economic principles, risk management, business law, budgets, finance, recordkeeping, and careers in agribusiness. Basic skills will be developed to manage a farm or agribusiness. Content will include: managing production and inventory, equipment, credit and taxes, market analysis and developing a business plan. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

AGRICULTURE POWER, STRUCTURAL, TECHNICAL SYSTEMS PATHWAY

Small Power Equipment 1 credit Open to 11, 12
This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engines, and electric motors. Students will identify basic small engine parts and principles of operations and their applications in agriculture, identify small engine systems (fuel/air, cooling, compression, ignition, and lubrication), perform small engine trouble shooting skills, and determine small engine specifications using precision measuring equipment. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Ag Power & Machinery Operation 1 credit Open to 11, 12
This course provides instruction and hands-on experience in basic principles of agricultural machinery assembly, operation, maintenance, service, repair and safety. Students will identify the influence of the agricultural mechanics industry on globalized production, relate engine systems (carburetion, compression, and ignition) to operation, identify and maintain hydraulic systems, develop troubleshooting skills, and learn basic machinery repair through welding. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

HORTICULTURE & PLANT SYSTEMS PATHWAY

Intro to Greenhouse & Plant Production 1 credit Open to 10, 11
Plant and Land Science develops basic scientific knowledge and skills pertaining to management of the land and its effects on food and fiber production, the environment, and the quality of life. The relationship of land to plant growth will be emphasized. Plant composition, reproduction, growth, and current biotechnological advances will be included. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

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Landscape & Turf Management 1 credit Open to 11, 12
This course includes identification of landscape plants and their characteristics, site evaluation, site design, calculation of materials needed, costs for bidding, and installing landscape plans. Landscape plant maintenance will also be presented. Selection, culture, and management of turf species used for lawns, golf courses, athletic fields and erosion control may also be included. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Agricultural Sales & Marketing (and Co-op) 1 - 3 credits Open to 12
This course introduces agricultural sales and marketing including competition in the agriculture market place, marketing decisions, types of markets, contracting, government programs and regulations, personal development, employee and employer responsibilities, communications, promotion strategies, records, files, purchasing materials, stocking, selling and business account procedures. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course counts for the Agricultural Co-op. Those choosing to participate in co-op courses will need to take at least four other credits to meet the five-credit minimum and earn a KEES award.
GREAT CROSSING HIGH SCHOOL – FCS PATHWAYS

Introductory Class to all FCS Pathways:

FACS Essentials 1 credit Open to 9, 10
This course promotes the development of life management skills, which will help students as they progress toward adulthood and will assist them in becoming successful members of society. The course is designed to expose students to the different areas of Family and Consumer Science. Areas include Nutrition & Food Prep, Child & Human Development, Housing Environments, Consumer Education, and Clothing Management & Construction. Students are required to purchase their sewing project.

CONSUMER FAMILY MANAGEMENT PATHWAY

Foods & Nutrition 1 credit Open to 10, 11, 12
This introductory course is designed to expose students to nutrition and food related information that will contribute to good health and well-being. Students will learn and practice introductory food prep skills in the lab setting. Students resume progress in pursuing competencies in food production and services. Students will be provided further training in the field of culinary arts. Students will continue to explore food trends, careers in culinary arts, and specialized areas of foreign cuisine. Lab fee: $30.

Money Skills 1 credit Open to 10, 11, 12
This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision-making, problem solving, goal setting and using technology are integrated.

Relationships 1 credit Open to 10, 11, 12
This course assists students to develop self-understanding, understanding of others, interpersonal skills, awareness of others’ needs, and physical, mental, and emotional wellness. Family life education comprises a portion of this course including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized.
English

**English 1**
1 credit
Open to 9

English I is a course designed to strengthen students’ observing, listening, speaking, writing, and reading skills. While specific works of literature are not the focus of the course, students will read a variety of authors and genres as a foundation for other activities that are designed to promote growth in the aforementioned areas. Students will be required to write literary, argumentative, and personal expressive pieces. All of these pieces will be placed in the student’s formative portfolio. Students will also be challenged to develop inquiry/researching skills that include using technology for communication.

**Honors English 1**
1 credit
Open to 9

The basic difference between Pre-AP English and “regular” English is the linking of form to meaning. In the past, students were taught the form-historical background of literature, themes, tone, character development, conflict, and other elements of literature- but often did not learn to connect the language-the way the words work together on the page-with meaning. This connection-this linking-must be clear to students in the next two years if they are to excel not only on AP Exams but in college classes. English I students should also develop fluency, creativity, and a sense of risk-taking in writing- fully developed essays, short paragraph answers, highly structured responses to specific questions, and original poetry. The objective is to make readers, writers, and learners out of new high school students. During the summer, students will have a reading assignment.

**English 2**
1 credit
Open to 10

English 2 focuses on grammar, developmental composition skills, and in-depth reading skills. Students will refine literary, argumentative, and analytical writing skills. Students will also learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. They will read short stories, poems, drama, novels, and non-fiction from selected world literature. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **PREREQUISITE:** English 1.

**Honors English 2**
1 credit
Open to 10

Pre-AP English 2 is a course emphasizing close reading/literary analysis and developmental composition skills that will support student growth as thinkers and clear effective writers. Students will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. They will also study all genres including drama, poetry, non-fiction, short stories and novels. During the course of the year, they must read a combination of 6 independent texts, including novels and plays, from the suggested AP Board recommended list. Completion of summer reading is recommended. At the end of this course, all students may
be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **PREREQUISITE: Pre-AP English 1 or consent of current English teacher.**

### English 3
**1 credit**
**Open to 11**
English 3 focuses on an in-depth survey of American Literature, continued writing development, and ACT test prep. Students will focus on on-demand speech writing, persuasive writing, and argumentation. They will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. Additionally, each English 3 student will refine and apply research and documentation skills through a variety of research assignments. Each grading period students will read at least one book or play from a suggested reading list. Assessments include public speaking, performance events, responsive writing, constructed responses, argumentative essays, multiple choice questions, and projects. **PREREQUISITE: English 2**

### Advanced Placement English Language & Composition
**1 credit**
**Open to 11**
The AP Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. As in the college course, the purpose of the AP Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Much of the class discussion will focus on the author’s technique, meaning, and expressions of philosophical ideas. Students should expect this course to be similar to an introductory college writing course that focuses on exposition, argument, and literary analysis. **This course includes summer reading. PREREQUISITE: Pre-AP English 2 or consent of English 2 teacher.**

### English 4
**1 credit**
**Open to 12**
English 4 is a course designed to promote higher level thinking through effective writing, critical reading, and thinking as well as skillful speaking. In addition, students will be completing text-based literary analysis writing and research-based writing. Students will also apply critical standards for evaluation and appreciation of British and world literature. Genres studied in English IV include novels, short stories, poetry, plays, and essays. **PREREQUISITE: English 3**

### Advanced Placement English Literature & Composition
**1 credit**
**Open to 12**
The Advanced Placement English Literature and Composition Course provides students with a course in composition and literary analysis which makes demands equivalent to those of a full year introductory college course. The literary focus at the 12th grade level is British and World literature. Through the close study of all genres, students sharpen their abilities to appreciate and evaluate literature. Numerous on-demand literary analysis essays are required, as well as assessments using AP-style multiple choice questions. During the spring semester, students are expected to take the College Board Advanced Placement English Literature Examination. **This course includes summer reading. PREREQUISITE: AP English Language or consent of English 3 teacher.**

### WRD 110 Composition and Communication I (Dual Credit)
**1 high school credit per course**
**Open to 12**
See more about this and its companion course on page 66 of the course guide and at the UK Writing, Rhetoric & Digital Studies department website at [https://wrd.as.uky.edu/composition-and-communication](https://wrd.as.uky.edu/composition-and-communication). This course is offered on the SCHS campus. **PREREQUISITE: B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading.**
WRD 111 Composition and Communication II (Dual Credit) 1 high school credit per course Open to 12
This course is only available to those students who have successfully completed WRD110. See page 66 for more information. This course is offered on the SCHS campus. PREREQUISITE: B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading, passing score in WRD 110.

**Journalism**

1 credit
Open to 10, 11, 12
The goal of this advanced course is to provide students with exposure to how the field of journalism is changing, and to respond to newsworthy items in real time via the school's online newspaper site and its various social media outlets. Students will cover news stories for both high schools, Cardinal Academy, and the local Georgetown community while learning and using the media technology of the 21st century. Students will also learn the unique characteristics of magazine layout to create a yearbook for the school using Adobe InDesign and Photoshop, two programs used by professional journalists across the country. All journalism students will be involved in reporting, interviews, writing and photography; however, many assignments will be tailored to the student's strongest interest and skills. Some after-school time is involved. Students should have at least a “B” average in their current English course, no more than 6 unexcused absences, and obtain 2 teacher recommendations. One recommendation must come from the student's current English teacher. Students may register for this course only after the teacher has approved the application. Applications can be found on the Scott County High School website.

**Creative Writing**

1 credit
Open to 10, 11, 12
Creative Writing class will explore techniques in writing poetry, fiction, and plays/scripts. Students will set personal writing goals and achieve these goals through revision and peer critique. We will read articles and possibly books on writing. Students will write often, both individually and collaboratively. Class members will learn personal revision and peer revision techniques. PREREQUISITE: Students must have passed their English class this school year to be eligible for Creative Writing class.
Fine Arts

The Arts/Humanities requirement may be fulfilled with one credit in arts/humanities (History & Appreciation of Visual & Performing Arts Survey and Fundamentals of Art & Design combined), choral music, band, piano, AP music theory, media arts, art 2, 3, 4/AP, floral design (if previous ag course has been taken) or BCTC’s HUM 120 (dual credit).

History & Appreciation of Visual & Performing Arts Survey ½ credit
Open to 9, 10, 11, 12
Students are introduced to a survey of significant works, artists, and movements that have shaped the arts world and have influenced or reflected various periods of history in the arts disciplines of dance, music, theatre and visual art. Course content emphasizes the sequential evolution of art forms, techniques, symbols, and themes within those disciplines. The course covers the connections of the arts to cultural, social, political, and historical events throughout the world. Critical analysis of works from the disciplines, as they communicate and express the history, needs, and ideals of society and individuals is included. The course provides for students to experience creating, performing/presenting/producing, responding and connecting their own works as well as the works of others. Content: Arts and Humanities/History and Appreciation of the Visual and Performing Arts

Fundamentals of Art and Design ½ credit
Open to 9, 10, 11, 12
Students are introduced to the basic fundamentals of artistic expression. The course includes experiences in drawing, painting, two-and three-dimensional design, sculpture, and other art forms. The course emphasizes observations, interpretation of the visual environment, visual communication, imagination and symbolism, and an introduction to various visual arts techniques and media. The focus of the course is on application of the fundamental processes of artistic expression and application of the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. A study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in peer review through the critique process, presentation or their, responding to art and connecting their art to the world around them are included.

To be paired with

These 2 classes are paired together to create 1 full Arts/Humanities credit. Students who have already received a Humanities credit may still enroll in Fundamentals of Art and Design as a Visual Arts Elective.
Comprehensive Visual Arts 1 credit Open to 10, 11, 12

Each section is a different class and can be repeated for additional visual arts credits.

Students explore an art form, obtaining knowledge in that form to plan and create individual works of art based on such knowledge, while following and breaking from traditional conventions. Students examine the language, materials, media, and processes of that particular art form and the fundamental processes of artistic expression supporting a work. Advanced instruction encourages students to develop their own artistic styles. Although Comprehensive Visual Arts courses focus on creation, inclusion of the study and analysis of major artists, art movements, and styles is included. In completing this course, students consider various techniques, methods, venues, and criteria for analyzing and selecting their art for preservation and presentation, including evolving technologies when preparing and refining artwork for display. Prerequisite: 70% (C) or better in Fundamentals of Art and Design.

MUSIC DEPARTMENT

Scott County High School features one of Kentucky’s premiere high school music departments. The band and choir programs at SCHS and GCHS offer students opportunities to have fun and interact with other musicians while developing and refining individual musicianship, performing in the highest quality ensembles, cultivating leadership skills, and artistically expressing themselves. Music students are among the most involved, academically driven, and spirited groups in the school!

All bands and choirs meet the Arts and Humanities requirement. While students can prepare for a career in music and can choose a high school concentration in the arts, musically inclined students in all career pathways are encouraged to participate in four years of music ensembles, keeping in mind that many professions and colleges are particularly interested in depth and longevity of participation, regardless of collegiate major.

SCHS/GCHS students are able participate in music ensembles for 4 years and also take dual credit courses, attend ECS, play on athletic teams, and be involved in a variety of other programs.

Choral Music 1 credit Open to 9, 10, 11, 12

Choral Music (There will be choir at both SCHS and GCHS) – The choirs are audition-only ensembles for students who are willing to give total concentration as well as hard physical and vocal work during class. Students are expected to possess proficient singing skills. Students will study, rehearse, and perform music of various styles and difficulty. Students will also study music theory, history, and build music literacy skills. This course meets the state requirements for the Arts/Humanities credit. Regular attendance is a must and attendance at performances is compulsory. Our HS choirs have earned numerous accolades and have a strong tradition of excellence known throughout the mid-south. We look forward to having TWO outstanding HS choral programs in the district. An outfit rental fee of $35 is required.

Piano 1 1 credit Open to 9, 10, 11, 12

This course is designed to help students develop piano skills. The reading and playing of basic chords and simple melodies will be taught, progressively getting more challenging. An individualized approach will be used to encourage students to make progress at their own pace. Basic music theory and history of the Fine Arts is integrated throughout the year. This course meets the state requirement for the Arts/Humanities credit. Many students make impressive progress in one year! A class fee of $15 is required, and covers the cost of the Piano Lesson Book(s), which students may keep at the end of the year.
Piano 2 & 3  
1 credit  
Open to 10, 11, 12  
This course is designed to help students continue to develop piano skills after having taken Piano 1. The reading and playing of additional chords and melodies will be taught, progressively getting more challenging. An individualized approach will be used to encourage students to make progress at their own pace. Basic music theory and history of the Fine Arts is integrated throughout the year. This course meets the state requirement for the Arts/Humanities credit. Many students make impressive progress in one year! **A class fee of $15 is required, and covers the cost of the Piano Lesson Book(s), which students may keep at the end of the year.**

Music Theory I  
1 credit  
Open to 10, 11, 12  
This class is designed for music students seeking a deeper understanding of how music is structured and composed. Develop fundamentals of sight-singing, ear-training, and notation that will enhance your performance skills in any ensemble and prepare you for further musical study. Includes skills, techniques, and terminology of chordal analysis and compositional analysis. Homework is required. **Students must have music training through at least one year of high school band, chorus or piano and must get the teacher’s approval.** **PREREQUISITE:** Band, Choir or Piano.

Advanced Placement Music Theory  
1 credit  
Open to 10, 11, 12  
Students will develop fundamentals of sight-singing, keyboard skills, ear-training, and notation. In addition, students will develop skills, techniques, and terminology of chordal analysis and composition. Homework is required. **Students must have extensive music training through at least one year of high school band, chorus or piano and must get the teacher’s approval.** **PREREQUISITE:** Band, Choir or Piano.

Music Theory 2  
1 credit  
Open to 11, 12  
This class is designed for the college-bound music student. **Students must have successfully completed AP Music Theory and get the teacher’s approval.** Build upon the fundamentals of sight-singing, keyboard skills, ear-training, and notation at the level of a 2nd year college music theory student. Students will continue skills, techniques, and terminology of chordal analysis. Students will learn 20th century composition techniques. Homework is required. **PREREQUISITE:** AP Music Theory.
Scott County High School’s nationally recognized band program includes multiple leveled concert bands, basketball pep band, the Cardinal Marching Band, and opportunities for jazz and chamber music participation. Great Crossing High School will begin building its own band traditions with the same offerings.

- Students work to improve individual and group musicianship through productive and fun rehearsals, quality performances, and the study of worthwhile music literature.

- The Scott County and Great Crossing bands offer a creative outlet during the school day for students to artistically express themselves, develop and implement leadership skills, and participate in team building.

- Students acquire not only the technical and artistic skills to play an instrument well, but they gain the discipline and social awareness necessary to succeed in any course of study they may wish to pursue.

- Join the SCHS/GCHS Band family and get involved in one the most spirited and academically accomplished groups in the school. Extra opportunities for performances and travel are offered.

- All bands meet the state requirements for the Arts/Humanities credit. Students earn 1 credit per year in band.

- Students audition for band placement in the spring semester of the previous year.
Symphonic Winds (Honors Band) 1 credit Open to 9, 10, 11, 12
Course selection determined by Band Directors
Symphonic Winds is an audition-only group for the most accomplished students in the band program. Study, rehearse, and perform advanced literature of the highest quality from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Concert Band 1 credit Open to 9, 10, 11, 12
Course selection determined by Band Directors
Concert Band is an audition-only group for band students. Study, rehearse, and perform quality music of medium difficulty from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Band Percussion Class 1 credit Open to 9, 10, 11, 12
Course selection determined by Band Directors
Percussion class is an audition-only group for all of the percussionists in the SCHS band program. Develop and refine your performance skills while studying, rehearsing, and performing quality music of advanced and medium difficulty from all styles and periods. Students in the percussion class will integrate with the Cardinal Marching Band (football season only), Pep Band (basketball season only), and both Symphonic Winds and Concert Band. This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Intro to Band (Beginning Band & Preparatory Band) 1 credit Open to 9, 10, 11, 12
Course selection open and determined by Band Directors
Wish that you had learned how to play an instrument when you had the chance? Interested in trying something new? Want to connect with other students making music? This band is divided into 2-3 sections and is open to students who are interested in learning to play a band instrument (beginning band) and students who need additional instruction in order to reach proficiency on their instruments (preparatory band).

Beginning Section - No previous band experience is necessary, and we can assist you in choosing an instrument if you want to get involved but are undecided. Beginning students learn to properly produce a tone and read music. Beginning students will have two required performances, and will have the opportunity to integrate into the Cardinal Marching Band and pep band as skill levels progress.

Preparatory Section - Students in the preparatory section will be placed in this band through audition and director recommendation. Preparatory students will continue to refine tone production and note reading skills to reach proficiency, and begin to develop leadership skills in the band rehearsal. Preparatory students are included in the Cardinal Marching Band (football season only) and pep band (basketball season only). This course is curricular and extra-curricular, with required performances and some after school rehearsals.

Secondary Section – Open to senior band members concurrently enrolled in Symphonic Winds who are considering a career in music. Students can learn a “secondary instrument” and acquire experience in teaching others on the “primary instrument.” Students are placed in the secondary section only through director recommendation.
Jazz Band – After-School Class  
Course selection determines by Band Directors

Jazz Band 1 & 2 allow SCHS students to explore the complex American art form of jazz. Membership in a jazz band is by successful audition and permission by the instructor only. Rehearsals are from 3:55-4:45 on selected days. Each band performs at concerts, community events, and festivals.

Health and Physical Education

Health  
½ credit  
Open to 9, 10, 11, 12

This one-half credit course is designed to teach skills necessary for individual well-being and healthy family relationships. It also emphasizes the concepts students need to remain physically healthy and to accept responsibility for their own physical well-being. Students are taught strategies for becoming and remaining mentally and emotionally healthy.

Physical Education  
½ credit  
Open to 9, 10, 11, 12

In this one-half credit course, students will perform movement skills in a variety of settings. Students will acquire knowledge and skills that promote physical activity and life-long physical fitness. Emphasis will be placed on rules of behavior, fair play, and cooperation designed to enhance the quality of participation in games and activities that contribute to mental, emotional, and social health. Students will be required to dress out in clothing approved by the instructor.

Advanced P.E.  
½ credit  
Open to 10, 11, 12

This course is highly competitive in nature. It is designed for students who want to develop advanced athletic skills in both individual and group settings. Fitness skills will also be included and there will be periodic assessments to mark progress. Students will be required to dress out in clothing approved by the instructor. PREREQUISITE: Physical Education.
Aerobic Walking ½ credit Open to 10, 11, 12
During this course, students will be given an opportunity to improve fitness levels by engaging in different types of walking activities ranging from leisure walking to speed walking. Pedometers will be used to track and mark progress. **Students will be required to dress out in clothing approved by the instructor.** Counts as the PE requirement.

Strength and Conditioning ½ - 1 credit Open to 9, 10, 11, 12
This co-ed class is designed to offer students a chance to improve their current fitness levels. It will be geared towards health and skill related fitness components. Class activities will include exercise technique and form, safety awareness, flexibility, coordination and agility, balance, periodization training, different modes of resistance training, and plyometric training. There will be periodic assessments to mark progress. **Students will be required to pay a $20 class fee (SBDM approved).** Counts as the PE requirement.

Female Strength and Conditioning ½ - 1 credit Open to 9, 10, 11, 12
An all-female class that focuses on the fitness aspect of Physical Education. Objectives of the course are to allow the student to evaluate, monitor, and improve her own fitness level in a noncompetitive environment. Personal development using a crossfit and resistance training approach with a focus on core development. Personal nutrition will be emphasized as it relates to the student’s training and personal development. **Students will be required to pay a $20 class fee (SBDM approved).** Counts as the PE requirement.

Mathematics

- All students must take four years of math in high school to include Algebra 1, Algebra 2, and Geometry. One credit will count as a math elective.
- Middle school courses taken for high school credit will impact the student’s GPA. Students earning less than an “A” in middle school courses that count for high school credit may retake those courses prior to entering the 10th grade in an attempt to be eligible for Valedictorian.
Algebra 1 1 credit Open to 9, 10
This course is designed to help students develop and strengthen their strategies for problem solving, including non-routine problems. It is intended for students who have demonstrated the study habits, maturity, and motivation to succeed in an algebra program. Students will gain an understanding of algebra by emphasizing concepts, structure, and applications. Problem solving, mathematical communication, reasoning, and mathematical connections will be stressed. Topics include an intensive study of one-variable equations, functions and inequalities, and introduction to two-variable graphing and families of functions, concepts of rate of change, and an intensive study of linear equations, polynomial operations, and factoring.

Honors Geometry 1 credit Open to 9
This course is open only to 9th grade students who have successfully completed Algebra 1 and is designed for college-bound students who are planning to take pre-calculus in the 11th grade. Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include construction, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics may include inequalities in triangles and circles and locus of points. Hands-on activities and interactive geometry software may be used to aid in students’ discovery process. TI-84+ graphing calculators are recommended. PREREQUISITE: Completion of Algebra 1 with a final average of at least 84%.

Algebra 2 1 credit Open to 11, 12
In addition to expanding the mathematical concepts of Algebra 1, emphasis shall be placed on preparation for study of higher mathematics such as abstract thinking skills, the function concept, and the algebraic solution of problems in various content areas. Topics include the complex number system, quadratic equations and inequalities, graphs of functions and relations, exponential functions, probability, and statistics. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. A graphing calculator is required. PREREQUISITE: Algebra 1, Geometry, or taking Geometry concurrently.

Honors Algebra 2 1 credit Open to 10
This course is designed for students who intend to study calculus. It expands the regular Algebra 2 content to include higher order problems, appropriate use of graphing technology and integration of Geometry and Algebra. A graphing calculator is required. PREREQUISITE: Must have taken Honors Geometry in 9th grade or teacher recommendation.

Geometry 1 credit Open to 10, 11, 12
Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include constructions, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics can include inequalities in triangles and circles and locus of points. TI-84 graphing calculators are recommended. PREREQUISITE: Algebra 1.

12th Integrated Math 1 credit Open to 12
This year-long course is designed to strengthen basic algebraic and problem solving skills so students may successfully show College and Career readiness (reaching benchmark on ACT). This course will satisfy the SCHS 4th year of math for graduation. It is open to seniors who have passed Algebra 1, Geometry, and Algebra
2, but did not make at least 18 on the ACT. This course is also available for any student retaking Algebra 1, Geometry, or Algebra 2. **Seniors with a Pre-Calculus credit may not take this course.**

**Algebra 3**
1 credit
Open to 12
This year-long course is designed as the 4th year of math after Algebra 2. In this course students will study various types of equations, such as linear, quadratic, exponential, trigonometric, and logarithmic, as well as some modeling and application problems. Students will be given opportunities to solve real-world math problems, graph and analyze data, and improve algebraic and abstract thinking skills. This course goes beyond the math covered in Algebra 2 and is meant to help prepare students to succeed in college math courses. It is open to seniors who need a fourth math credit and have passed Algebra 1, Geometry, and Algebra 2.

**MAT 114 College Algebra (Dual Credit)**
1 high school credit per course
Open to 12
This course is designed for students with a strong math background who do not plan to major in a math, science, or business in college. This course will count for senior math credit as well as 3 hours of college credit at any state university in Kentucky. The course is offered through EKU but taught on the high school campus. **Enrollment requirements:** ACT scores of 22 in math, 18 in English, and 20 in Reading, GPA requirement of 3.0.

**Pre-calculus**
1 credit
Open to 11, 12
This course is designed to prepare students to take college level calculus, either AP Calculus or a college course in calculus. It includes an emphasis on functions: linear, polynomial, rational, trigonometric, logarithmic, and exponential. Students will make appropriate use of technology. **A graphing calculator is required.** **PREREQUISITE:** Geometry and Algebra 2.

**Honors Pre-calculus**
1 credit
Open to 11, 12
This course is designed to prepare students to take AP Calculus. It includes an emphasis on polynomial, rational, trigonometric, logarithmic, and exponential functions. Polar coordinates will be explored along with conic sections. The course ends with a preview of calculus including limits. **A graphing calculator is required.** **PREREQUISITE:** Honors Algebra 2 (C or higher), Algebra 2 (B or higher with teacher recommendation), and Geometry.

**Advanced Placement Calculus AB**
1 credit
Open to 12
This course has been designed as a rigorous and relevant study of calculus that is taught at an accelerated rate. All topics tested on the AP Calculus AB exam will be covered. The course is meant to provide students with an in-depth knowledge of the study of calculus by investing concepts analytically, graphically, verbally, and numerically. By the end of the course, students should be well prepared for the AP Calculus AB Exam which could result in college credit for Calculus I. **Requirements:** TI-84+ graphing calculator. For a more in-depth description, go to APCentral.com. **PREREQUISITE:** Honors Pre-calculus or Pre-Calculus with teacher recommendation.

**Advanced Placement Calculus BC**
1 credit
Open to 12
This course has been designed as a rigorous and relevant study of calculus that is taught at an accelerated rate. All topics tested on the AP Calculus AB exam will be covered. The course is meant to provide students with an in-depth knowledge of the study of calculus by investing concepts analytically, graphically, verbally, and numerically. AP Calculus BC includes all topics from AB plus several others. By the end of the course
students should be well prepared for the AP Calculus BC exam which could result in college credit for both Calculus I and Calculus II. For a more in-depth description, go to APCentral.com. PREREQUISITE: Honors Pre-Calculus. *This course is taught on the SCHS campus as an early morning class (starts at 7:20) and is open to GCHS students.

Advanced Placement Statistics 1 credit Open to 11, 12
The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:
1. Exploring Data: describing patterns and departures from patterns
2. Sampling and Experimentation: planning and conducting a study
3. Anticipating Patterns: exploring random phenomena using probability and simulation
4. Statistical Inference: estimating population parameters and testing hypotheses.
PREREQUISITE: Algebra 2
Requirements: TI-84+ graphing calculator.

Advanced Placement Computer Science Principles 1 credit Open to 10, 11, 12
The AP Computer Science Principles course will introduce you to the essential ideas of computer science and show how computing and technology can influence the world around you. You will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. For more information on this new AP course, visit: AP Computer Science Principles.

Science

Biology 1 credit Open to 9, 10, 11
This course is designed to give a complete overview of the world of living organisms, their diversity, function, and relationship to the environment. Topics of study include cell biology, bioenergetics, reproduction, genetics, and evolution. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. There is a $10 fee for materials.
Honors Biology

1 credit
Open to 9, 10, 11
This is a classic high school biology course delivered with an increased level of rigor and focus on scientific practices that will prepare a student well for AP Biology or Dual Credit Biology. Topics of study include cell biology, bioenergetics, reproduction, genetics, and evolution. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. There is a $15 fee for materials. **PREREQUISITE: Algebra I.**

Agri-Biology

1 credit
Open to 9, 10, 11
This course fulfills the life science credit. See description in Agricultural Sciences section. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade. **PREREQUISITE: Student must be in an Agriculture Pathway.**

Advanced Placement Biology

1 credit
Open to 11, 12
AP Biology covers the equivalent of a college course in introductory biology. The aim of the course is to achieve knowledge of concepts and processes of biology and an understanding of the means by which biological information is collected and interpreted. The course consists of the following segments: molecular and cellular biology, organism biology, population biology, and ecology. The two page course overview provided by the College Board can be found at: [Two Page Overview](#). There is a $15 lab fee for materials. **PREREQUISITE: Chemistry and Biology.**

Chemistry

1 credit
Open to 11 (if credit has not been previously earned)
This course uses modeling and scientific reasoning to develop understanding of the Next Generation Science Standards. Students will study atomic structure, bonding, intermolecular forces, nuclear reactions, chemical reactions, reaction rates, thermodynamics and equilibrium. Laboratory experiments, demonstrations, and activities are an integral part of this course. There is a $10 fee for materials used in class. This class does NOT serve as a preparatory class for Advanced Placement Chemistry. **PREREQUISITE: Biology.**

Honors Chemistry

1 credit
Open to 10, 11, 12
This course uses modeling and scientific reasoning to develop understanding of the Next Generation Science Standards. Students will study atomic structure, bonding, intermolecular forces, nuclear reactions, chemical reactions, reaction rates, thermodynamics and equilibrium. Laboratory experiments, demonstrations, and activities are an integral part of this course. There is a $10 fee for materials used in class. This class is a prerequisite for Advanced Placement Chemistry. **PREREQUISITE: Biology, Algebra 1 and Algebra 2, or currently taking Algebra 2.**

Advanced Placement Chemistry

1 credit
Open to 11, 12
This course covers the equivalent of a college course in chemistry. The aim of the course is to achieve knowledge of concepts and processes of chemistry. The course will focus on stoichiometry, electrochemistry, thermodynamics, thermochemistry, kinetics, equilibrium, and acid-base. The two page course overview provided by the College Board can be found at: [Two Page Overview](#). There is a $10 lab fee for materials. **PREREQUISITE: Honors Chemistry, Pre-calculus or currently taking Pre-calculus.**
Physics 1 credit Open to 11, 12
This course is designed for students with a strong foundation in mathematics and the physical sciences. The format will include lecture, discussion, problem-solving, and laboratory work. Quantitative skills learned in second year algebra/trigonometry and chemistry will be employed in the problem solving concepts covered. General areas of study will include concepts of mechanics, motion, waves, light, sound, magnetism, and electricity. There is a $10 fee for materials used in this class. PREREQUISITE: Algebra 1, Geometry, and Algebra 2, or currently taking Algebra 2.

Advanced Placement Physics 1 1 credit Open to 11, 12
The AP Physics B course is now separated into two, full-year courses allowing students to achieve in-depth understanding. They will have more time for hands-on explorations of physics content and inquiry labs. Advanced Placement Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The two page course overview provided by the College Board can be found at: Two Page Overview. There is a $10 fee for materials used in class. PREREQUISITE: Algebra 1, Geometry, and Algebra 2, and currently taking pre-AP science and pre-calculus.

Forensic Science 1 credit Open to 9 (ECS), 11, 12
This elective class is designed to integrate all of the sciences: biology, chemistry, physics, earth science as well as mathematics, in the study of crime scene investigations both in the field and in the laboratory. Emphasis will be on performing sample crime scene investigations and using technology for simulated crime scene work. There is a $10 fee for materials used in class. PREREQUISITE: Biology or Chemistry.

Anatomy and Physiology 1 credit Open to 11, 12
Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. This course is highly recommended for students wanting to enter the medical field. Topics covered will include the basic organization of the body, biochemical composition, and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body, students will learn through reading materials, study guides, unit worksheets, group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, lab reports, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college. There is a $15 fee for materials used in class. PREREQUISITE: Chemistry.

Astronomy 1 credit Open to 11, 12
Astronomy is the study of celestial objects, space, and the physical universe as a whole. Topics will include the origin and history of the universe, formation of the solar system, black holes, manned and unmanned space exploration, and the future of the solar system and universe. There will also be an emphasis on historical and contemporary observational astronomy.
Social Studies

Honors Social Studies 1 credit Open to 9
The Pre-AP Social Studies course is designed for students whose basic skills and achievement exceed the requirements for Introduction to Social Studies. Students selecting this course will receive instruction on a faster pace with the expectation of completion of outside assignments. The course will survey a variety of topics in government, geography, and economics. Analytical writing about these topics will prepare students for the challenges of AP classes. PREREQUISITE: Teachers suggest that students have a 90% average in Social Studies at the end of their eighth grade year.

Introduction to Social Studies 1 credit Open to 9
This course is an overview of many of the disciplines of social studies. The purpose of the course is to introduce life skills necessary to become a productive community member as well as basic skills needed to succeed in higher-level social studies courses. Areas of study include economics, geography, civics, and government. Thinking, reasoning, and cultural diversity are integrated throughout the course.

Advanced Placement U.S. Government & Politics 1 credit Open to 9, 11, 12
This is a challenging, college level course in which students will gain a comprehensive understanding of the structure and inner workings of the government and politics of the United States. Topics will include the following: the constitutional underpinnings of the U.S. government, the political beliefs and behaviors of individuals, political parties, interest groups and mass media, the institutions of federal government (including Congress, the presidents and the executive branch bureaucracy, and the federal courts), the formulation and shaping of public policy, and civil rights and civil liberties. The primary goal of the course is to prepare students to take the AP U.S. Government and Politics exam. Students must complete extensive reading and writing assignments and actively participate in class. Completion of a summer reading assignment is required.

World History in Modern Times 1 credit Open to 10
The World History course will extend students’ knowledge of the world gained in middle school, reviewing civilizations after 1500. Students will comprehend the contemporary world, based on an understanding and appreciation of the past. The course shall embrace a global view of the history of humankind. The course will be interdisciplinary, drawing on concepts from social studies disciplines, including history, anthropology, economics, geography, political science, psychology, and sociology, as well as utilizing the arts, literature, and philosophy.

-Page 65-
Advanced Placement World History 1 credit Open to 10
The purpose of AP World History is to understand how human societies develop over time. AP World History will focus equally on the history of Africa, Asia, South America, the Middle East, Europe and North America. Students will learn how to analyze and develop conclusions about the causes and effects of history. Students will learn how factors such as disease, war, trade, culture, geography, gender, governments, technology, and invention shape the world we live in today. To be successful, students must complete extensive reading and writing assignments along with actively participating in the class discussions. Required completion of a summer assignment.

U.S. History 1 credit Open to 11
The United States History course serves as a capstone to the study of America’s history in fifth through eighth grades. The focus will be on colonization to the present, looking at the forces that shaped and continue to shape political, economic, and social institutions and the impact of those forces on the development of the United States in the Twentieth Century.

Advanced Placement U.S. History 1 credit Open to 11
This is a challenging, college level course in which students will gain a comprehensive understanding of American literature and history. The primary goal of the course is to prepare students to take the AP exam in U.S. History. To be successful, students must complete extensive reading and writing assignments and actively participate in class. Required completion of a summer assignment.

Advanced Placement Human Geography 1 credit Open to 10, 11, 12
The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Sociology 1 credit Open to 11, 12
This course is designed to introduce students to sociological concepts, theories, and principles. It offers a description and analysis of selected social problems, their causes, effects, and social responses to these problems. It will introduce the student to the diversity of human cultural experience in the contemporary world.

Psychology 1 credit Open to 10, 11, 12
This class deals with the study of human behavior and its influence on one’s own life and behavior. In addition, psychology seeks to understand and explain thoughts, emotions, feelings, and behavior. Depending on the topic of study, students will use techniques such as observation, assessment, and experimentation to develop theories about the beliefs and feelings that influence a person’s actions.

Advanced Placement Psychology 1 credit Open to 11, 12
As a college level course, the purpose of AP Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. At the end of
the class, students will be able to take the AP Psychology exam which can lead to the student earning college credit in that field. The class is open to all juniors and seniors. **Regular psychology is not a pre-requisite for this course.**

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**World Languages**

**French 1**

1 credit

Open to 9, 10, 11

This course is designed to develop language skills and to prepare students for living in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Topics include: telling time, talking about school and classes, expressing likes and dislikes, greeting others, knowing the terminology for numbers, clothing, and food, and discussing family. All of this will be taught in a contemporary cultural context from countries in the French speaking world.

**French 2**

1 credit

Open to 10, 11, 12

This course is a continuation of French 1, in which students continue to develop language skills and prepare to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include past, present and future time frames. Students will learn French in a contemporary cultural context, including topics with food, housing, and regions of France. Topics include: pastime activities, daily routine, food, sports and health, and film discussions.

**PREREQUISITE:** French 1 or equivalent level.

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*Although world language courses are not required for graduation, all students are encouraged to take a minimum of two years of the same World Language, and should start in the 9th grade year. This will give them the opportunity to take four years of the language ending with the AP class. A two year minimum is part of the pre-college curriculum, but many colleges are also looking for language proficiency in reading, writing, speaking, and listening rather than just credits earned. We encourage students to take as many courses as possible to reach their desired level of target language proficiency.*
Honors French 3 1 credit Open to 11, 12
This course is a continuation of French 2, in which students continue to develop language skills needed to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include multiple time frames. Students will learn French in a contemporary cultural context, including topics with travel and French-speaking countries. Course will be conducted primarily in French. Topics include: navigating an airport, making reservations at a hotel, advanced descriptions of people and objects, relationships, shopping, driving, and professions. PREREQUISITE: French 2 or equivalent level.

Advanced Placement French 1 credit Open to 12
This college-level class is the capstone course of our program. Students will focus on refining their skills in the areas of speaking, reading, listening, and writing, all presented in cultural context. AP French is organized around the following six themes as outlined by College Board: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. Course will be conducted primarily in French. Students are eligible to take the AP French test with the opportunity to earn college credit. PREREQUISITE: Honors French 3 or equivalent level.

German 1 1 credit Open to 9, 10, 11
German 1 introduces students to the German language and culture. Skills of speaking, listening, reading, and writing will be developed through various activities and assignments including cultural activities. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will learn to converse on subjects such as school, family, home, clothing, leisure activities, and be introduced to the role of Germany in today’s economic and political world. Proficiency goal by the end of the course is Novice High on the ACTFL scale.

German 2 1 credit Open to 10, 11, 12
German 2 further develops the skills of speaking, listening, reading and writing in the German language that were introduced in German 1. Students will learn to communicate in situations in the broader society such as health, home, travel, and community. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will be expected to expand their knowledge on Germany’s influence on the world – both in the past and present – in the economy, politics, environment, energy, and technology. Proficiency goal by the end of the course is Intermediate Low on the ACTFL scale. PREREQUISITE: German 1 or equivalent level.

Honors German 3 1 credit Open to 11, 12
German 3 expands conversational skills as well as speaking, listening, reading, and writing in the German language. Students will be encouraged to begin thinking and conversing with others in German. Students will read short stories as related to the specific content. Grammar points will be addressed as they arise. Students will be given the opportunity to travel abroad to Germany during their time in German classes (about every other year) and will be expected to expand their knowledge on Germany’s influence on the world – both in the past and present – in economics, politics, environment, energy, technology, philosophy, education, and community. Proficiency goal by the end of the course is Intermediate Mid on the ACTFL scale. PREREQUISITE: German 2 or equivalent level.
Advanced Placement German 1 credit Open to 12
Advanced Placement German is designed for college bound students to reflect a third-year college course in German. The course is considered “upper level” and should challenge the students. An emphasis is placed on improving conversational, reading comprehension, listening, and writing skills. Students must be prepared to speak exclusively in German – as the teacher will do the same. All directions, instructions, and activities are written in German and should be completed in German. Shall a question arise, please be prepared to work around the word you do not understand using the technique of circumlocution. AP German will be organized around the following six themes: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. This course will provide students with a fresh way to learn to use the German language and culture. All students are expected to take the AP Exam administered by the College Board in May. Proficiency goal by the end of the course is Advanced Low on the ACTFL scale. PREREQUISITE: Honors German 3 or equivalent level.

Japanese 1 1 credit Open to 9, 10, 11
Japanese 1 introduces students to the Japanese language and culture. Skills of speaking, listening, reading, and writing will be developed through various activities and assignments. Students also learn Japanese culture through a variety of activities. An affordable two week home stay program in Japan is offered each year for up to five Japanese language students who excel in the classroom with priority given to those in the upper levels. *This course is taught on the SCHS campus and is available to GCHS students via an online/video format.

Japanese 2 1 credit Open to 10, 11, 12
This course will continue the language skills (listening, speaking, reading, and writing) begun in Japanese 1. The study of Japanese culture will also continue. PREREQUISITE: Japanese 1 or equivalent level. *This course is taught on the SCHS campus and is available to GCHS students via an online/video format.

Honors Japanese 3 1 credit Open to 11, 12
This course will continue the language skills (listening, speaking, reading, and writing) covered in Japanese 2. The study of Japanese culture will continue. PREREQUISITE: Japanese 2 or equivalent level. *This course is taught on the SCHS campus and is available to GCHS students via an online/video format.

Advanced Placement Japanese /Japanese 4 1 credit Open to 12
Students will continue to expand language skills learned in Japanese 1-3. Japanese culture will continue to be studied. PREREQUISITE: Honors Japanese 3 or equivalent level. *This course is taught on the SCHS campus and is available to GCHS students via an online/video format.

Spanish 1 1 credit Open to 9, 10, 11
In this introductory Spanish language course students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of school, family, home, and leisure activities. They will develop global awareness by studying the rich culture and heritage of Hispanic citizens in the U.S. as well as other countries.
Spanish 2 1 credit Open to 10, 11, 12
In Spanish 2, students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of healthful eating, hospitality, daily routines, and seeing a doctor. They will further develop global awareness by studying the rich culture and heritage of Hispanic countries. PREREQUISITE: Spanish 1 or equivalent level.

Honors Spanish 3 1 credit Open to 11, 12
This honors Spanish course is for students considering continued studies in Advanced Placement. Students are expected to use more Spanish in daily classroom interactions. They practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through various themes organized around authentic tasks. They will progress towards global citizenship through greater awareness of international issues and perspectives. PREREQUISITE: Spanish 2 or equivalent level.

Advanced Placement Spanish 1 credit Open to 12 and approved native speakers
Advanced Placement Spanish is a course for college-bound students who want to earn college credit while in high school. Students learn advanced grammar structures and increase vocabulary. Students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through AP themes of community, science and technology, beauty, contemporary life, global challenges, and personal and public identities. Students are strongly encouraged to take the AP examination. PREREQUISITE: Honors Spanish 3 or equivalent level.
Additional Options

Dual Credit Courses                                      1 high school credit per course                                      Open to 11, 12
In Dual Credit, a student is enrolled in a course which allows him/her to earn high school credit and college credit simultaneously. Courses may be taught on a college campus or on a high school campus, but it will be in conjunction with a college or university. Even though these courses are considered dual credit, the student is responsible for submitting his/her college transcript to the Guidance Office. Some local institutions participate in the state’s Dual Credit Scholarship Program (Midway University, BCTC, University of Kentucky, Eastern Kentucky University) where eligible students may be awarded funds for up to two courses per academic year, not to exceed nine credit hours over the course of their high school career. See pages 92 – 104 for details. PREREQUISITE: The state requires students to complete a 30-minute college success counseling session in order to participate in the Dual Credit Scholarship Program.

Teacher Aide                                          Non-Credit                                                        Open to 12
Students will be assigned to work with a teacher in the high school or in an office situation. PREREQUISITE: minimum of 18 credits and a minimum GPA of 2.75.

Peer Tutoring                                         1 credit                                                          Open to 11, 12
This is a one credit course which assigns students to be peer tutors for students in the FMD/special education unit or ESL (English as a Second Language) students. PREREQUISITE: minimum of 17 credits, a minimum 2.75 GPA, and a teacher/counselor recommendation. Students interested in ESL tutoring must have a strong background in the Spanish language.
## Health Sciences

<table>
<thead>
<tr>
<th>Biomedical Sciences</th>
<th>Pre-Nursing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course I</strong></td>
<td><strong>Course I</strong></td>
</tr>
<tr>
<td>Principles of Biomedical Sciences</td>
<td>Principles of Health Science</td>
</tr>
<tr>
<td><strong>Course II</strong></td>
<td><strong>Course II</strong></td>
</tr>
<tr>
<td>Human Body Systems</td>
<td>Emergency Procedures</td>
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<tr>
<td><strong>Course III</strong></td>
<td><strong>Course III</strong></td>
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<tr>
<td>Medical Interventions</td>
<td>Medical Terminology</td>
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**Course IV**

<table>
<thead>
<tr>
<th>Biomedical Innovations</th>
<th>Medicaid Nurse Aid</th>
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<tbody>
<tr>
<td>Work-Based Learning</td>
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<tr>
<td><strong>Course IV</strong></td>
<td><strong>Course IV</strong></td>
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<tr>
<td>Medicaid Nurse Aid</td>
<td>Medicaid Nurse Aid</td>
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</tbody>
</table>

**Industry Certifications**

- NOCTI Biotechnology
- Certified EKG Technician
- Pharmacy Technician
- NOCTI Healthcare Core
- State Registered Nursing Assistant (SRNA)/Medicaid Nurse Aid (MNA)
- Certified EKG Technician
- Pharmacy Technician
- Certified Phlebotomy Technician

## Media Arts

<table>
<thead>
<tr>
<th>Media Arts</th>
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<tbody>
<tr>
<td><strong>Course I</strong></td>
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<tr>
<td>Introduction to Media Arts</td>
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<tr>
<td><strong>Course II</strong></td>
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<tr>
<td>Video Studio Fundamentals</td>
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<tr>
<td><strong>Course III</strong></td>
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<tr>
<td>Studio Directing &amp; Performance</td>
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<tr>
<td><strong>Course IV</strong></td>
</tr>
<tr>
<td>Advanced Studio Production</td>
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<tr>
<td>Work-Based Learning</td>
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</tbody>
</table>

**Industry Certifications**

- Adobe Premiere Pro
- Adobe Photoshop

**Central Region High-Demand Industry Sectors**

- Business & IT Services
- Entrepreneurship
<table>
<thead>
<tr>
<th>LAW &amp; JUSTICE</th>
<th>ENGINEERING</th>
<th>ENGINEERING HYBRID</th>
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<tbody>
<tr>
<td><strong>PRE-LAW STUDIES</strong></td>
<td><strong>ENGINEERING</strong></td>
<td><strong>ENGINEERING TECHNOLOGY</strong></td>
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<tr>
<td><strong>COURSE I</strong></td>
<td></td>
<td><strong>COURSE I</strong></td>
</tr>
<tr>
<td>INTRODUCTION TO LAW</td>
<td></td>
<td>INTRODUCTION TO ENGINEERING DESIGN (PLTW)</td>
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<td><strong>COURSE II</strong></td>
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<td><strong>COURSE II</strong></td>
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<tr>
<td>CRIMINAL LAW AND PROCEDURES</td>
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<td>DIGITAL ELECTRONICS or PRINCIPLES OF ENGINEERING</td>
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<td><strong>COURSE III</strong></td>
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<td><strong>COURSE III</strong></td>
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<tr>
<td>TRIAL ADVOCACY</td>
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<td>INDUSTRIAL MAINTENANCE ELECTRICAL MOTOR CONTROLS</td>
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<td><strong>COURSE IV</strong></td>
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<td><strong>COURSE IV</strong></td>
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<tr>
<td>ADVANCED LEGAL PRACTICE WORK-BASED LEARNING</td>
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<td>COMPUTER INTEGRATED MANUFACTURING WORK-BASED LEARNING</td>
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<td><strong>INDUSTRY CERTIFICATIONS</strong></td>
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<tr>
<td>NOCTI Criminal Justice</td>
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<td>REC-Foundation Pre-Engineering Certification</td>
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<tr>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
<td><strong>CENTRAL REGION HIGH-DEMAND INDUSTRY SECTORS</strong></td>
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<tr>
<td>Business &amp; IT Services Entrepreneurship Government Public Administration</td>
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<td>REG-Foundation Pre-Engineering Certification</td>
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<td>MSSC—Certified Production Technician (CPT)</td>
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<td></td>
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<td>REG-Foundation Pre-Engineering Certification</td>
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<td>OSHA 30</td>
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<td></td>
<td></td>
<td>Business &amp; IT Services Advanced Manufacturing Construction Healthcare Transportation &amp; Logistics</td>
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<tr>
<td></td>
<td></td>
<td>Business &amp; IT Services Advanced Manufacturing Construction Healthcare Transportation &amp; Logistics</td>
</tr>
</tbody>
</table>
The Experience at Elkhorn Crossing School

ECS is an inquiry-based school where the lines between “technical” and “academic” are deliberately blurred. All students will use technology to research, produce, and present across disciplines. Much of the class work will be project based and apply to real world application.

Curriculum at ECS is framed around answering questions and solving problems. Integration at ECS means that we address issues as they are found in the real world—in teams, studying questions and themes that cut across academic disciplines within a school village. It means that teachers collaborate within a village to develop coherent programs by intersecting their curriculums wherever possible. Each course within the village will meet the Kentucky Department of Education (KDE) program of study requirements.

ECS students are graded on 5 work-ready competencies:

- Collaboration
- Growth Mindset & Work Ethic
- Communication
- Critical Thinking
- Content

All ECS pathways lead to industry certifications, making students more marketable as they enter the workforce.

All ECS Villages offer AP and/or dual credit opportunities for students to earn college credit while still in high school.

ECS students gain real-world experience through internships and cooperative learning opportunities.
The Biomedical Sciences Village at Elkhorn Crossing School

Experience the national Project Lead the Way Biomedical Sciences curriculum offered in four dynamic courses:
- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions
- Biomedical Innovations

Earn up to 29 college credit hours* through dual, articulated and advanced placement credit:
- AP Environmental Sciences
- AP Biology
- AP Statistics
- BCTC BIO 137 & BIO 139
- PLTW PBS, HBS, MI, BI

Join the award winning HOSA student organization.

Build your resume by earning your NOCTI Biotechnology, EKG Technician and Pharmacy Technician industry certification.

Gain real-world experience through internships and cooperative learning opportunities.

*College credit may be dependent on qualifying course grade, course exam or matriculation to a specific institution.

Why YOU should choose the Biomedical Sciences Village

Do you enjoy solving medical mysteries? Be part of an intense investigation of the death of a fictional person, the factors responsible for the death, lifestyle choices and medical treatments that might have prolonged the person's life. Sharpen your surgical skills as you dissect organs and practice suturing techniques. Use real-world research techniques on laboratory rats and microbes in our state-of-the-art facility.

At ECS, the PLTW Biomedical Sciences program prepares students to enter post-secondary healthcare and science programs. The PLTW Biomedical Sciences pathway is the first step for students seeking careers in areas such as medicine, biomedical engineering, forensic science, genetic engineering, orthopedics, sports medicine, veterinary medicine and medical laboratory science.
Principles of Biomedical Sciences™ - PLTW

Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key biological concepts such as homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses. Successful completion of Principles of Biomedical Sciences will also satisfy the Health credit for graduation.

Human Body Systems™ - PLTW

Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as “parts of a whole,” working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. PREREQUISITE: Principles of Biomedical Science or bypass from instructor.

Medical Interventions™ - PLTW

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across the generations of the family and provide a look at the past, present and future of biomedical science. PREREQUISITE: Human Body Systems or bypass from instructor.

Biomedical Innovations™ - PLTW

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician’s office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. Students may also enroll in a certification course (EKG Technician or Pharmacy Technician). PREREQUISITE: Medical Interventions or bypass from instructor.
EKG Technician

This is a senior level course that will educate and train the student to administer electrocardiograms (EKG). Students will complete an independent study course in the classroom and a minimum of 100 hours of clinical rotations, without compensation (practicum) under the supervision of a health professional. Upon successful completion of the course the student will be eligible to take the EKG Technician exam for national certification. Student will be responsible for the test fee. Material covered will include: Anatomy and Electrophysiology of the heart; Electrocardiogram; Heart Rate; Regularity; Select dysrhythmias; and various cardiac conditions. PREREQUISITE: Principles of Health Science, Emergency Procedures, Medical Terminology and teacher approval. Student must have documentation of Hepatitis B vaccine, negative TB skin test, and health insurance. Enrollment is limited based on clinical sites for supervised work-based learning.

Pharmacy Technician

This is an online (computer assisted) course with a pharmacy internship that prepares students for the National Pharmacy Technician Certification (CPht). You will gain the skills and knowledge to qualify for entry-level positions in a hospital or retail setting. Material covered will include: Orientation, Federal Law, Medication Review, Aseptic Techniques, Calculations, and Pharmacy Operations. It is suggested that students complete and document at least the minimum number of hours of observation required by the instructor and/or interview with a pharmacist or pharmacy technician. Upon completion of this internship, students are eligible to take the Pharmacy Technician Certification Board examination in order to obtain national certification. This internship requires supervised on-the-job work experience related to the students' education objectives in the area of Pharmacy Technician. Students participating in the internship do not receive compensation. Pharmacy technicians typically do the following: collect information needed to fill a prescription from customers or health professionals, measure amounts of medication for prescriptions, package and label prescriptions, organize inventory and alert pharmacists to any shortages of medications or supplies, accept payment for prescriptions and process insurance claims, enter customer or patient information (including any prescriptions taken) into a computer system, answer phone calls for customers, and arrange for customers to speak with pharmacists if customers have questions about medications. PREREQUISITE: Principles of Health Science, Emergency Procedures, Medical Terminology and teacher approval. Student must have documentation of Hepatitis B vaccine, negative TB skin test, and health insurance. Enrollment is limited based on clinical sites for supervised work-based learning.
## PLTW BIOMEDICAL SCIENCES
### 4 Year Prospective ECS Graduation Plan

### 9th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Biomedical Science @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>Algebra 1/Honors Geometry @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Honors Intg. Forensic Science @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to

### 10th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Body Systems @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>Algebra 2/Honors Algebra 2 @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry/Honors Chemistry @ ECS</td>
<td>1</td>
<td></td>
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<tr>
<td>English @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*Talk to your counselor if you need pre-calculus.

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to

### 11th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Interventions @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>AP Biology @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Honors Pre-calculus @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ECS Optional Early Morning UK WRD 130/111 dual credit English OR English @ GCHS/SCHS</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

(Student that haven't taken Geometry will need to take this course before graduation.)

(Talk to your counselor if you need Calculus.)

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to

### 12th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Morning Biomedical Innovations @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>Early Morning BCTC BIO 137/139 dual credit Anatomy and Physiology @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to

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Successful completion of Principles of Biomedical Science will satisfy the health requirement for graduation.

** Credit hours earned with successful matriculation to supporting participating universities.
PLTW ENGINEERING
A leader in STEM education!

The PLTW Engineering Village at Elkhorn Crossing School

Experience the national Project Lead the Way Engineering curriculum offered in four dynamic courses:
- Introduction to Engineering Design
- Principles of Engineering
- Digital Electronics
- Computer Integrated Manufacturing

Earn up to 21 college credit hours* through dual, articulated and advanced placement credit:
- UK WRD 110 & WRD 111
- AP Statistics and/or Dual Credit Calculus 1 & 2
- PLTW IED, POE, DE, CIM

Join the award winning VEX Robotics team or SWE, Society of Women Engineers chapter.

Build your resume by earning your REC CAD certification, recognized by industry leaders nationwide.

Gain real-world experience through internships and cooperative learning opportunities.

*College credit may be dependent on qualifying course grade, course exam or matriculation to a specific institution.

Why YOU should choose the PLTW Engineering Village

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers.

At ECS, the PLTW Engineering pathway prepares students to enter 4-year college engineering programs, 2-year apprenticeship programs or graduate into high-demand, high-paying careers. The PLTW Engineering pathway is the first step for students seeking careers in mechanical, electrical, materials or civil engineering, manufacturing, computer science and architecture.
Introduction to Engineering Design™ - PLTW

Ever wondered how to design something new or draw out an idea to show your friends? Stop wondering and do it, using Autodesk Inventor, the industry-leading 3D design software! Discover the role of an engineer in taking an idea from the design process to manufacturing or production. Produce an incredible, working prototype of your project with a state-of-the-art 3D printer. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a learning approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

Principles of Engineering™ - PLTW

Go beyond “myth-busting” to solution building! As you master the basic concepts needed to continue your education in engineering, you will apply them, tackling real world challenges: Energy sources and applications, machine systems, fluid power, testing the strength and durability of materials, and understanding how things move and applying that knowledge to projects. You are not in this alone. Team up with other students to test and share your developing skills through hands-on projects and presentations. You will learn to document your work and communicate your solutions to others. The course exposes students to some of the major concepts that they will encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. PREREQUISITE: Completion of Introduction to Engineering Design or bypass from instructor.

Digital Electronics™ - PLTW

This is the third course in the Project Lead the Way sequence of engineering studies. This course in applied logic encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. The Digital Electronics course is offered only in the Elkhorn Crossing School's Pre-Engineering Village. Students must also enroll in a mathematics course and English course in the village. PREREQUISITE: Completion of Principles of Engineering or bypass from instructor.

Computer Integrated Manufacturing™ - PLTW

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they’re learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems. Materials studied may include polymers, ceramics, woods, composites, and metal materials associated with manufacturing. Students have the opportunity to engage in product design, prototyping, computer-assisted manufacturing applications, CNC machines, robotics, and production management. PREREQUISITE: Completion of Introduction to Engineering Design or bypass from instructor.
PLTW ENGINEERING
4 Year Prospective ECS Graduation Plan

**Credit hours earned with successful matriculation to supporting participating universities.**
The Engineering Technology Village at Elkhorn Crossing School

Experience the National Project Lead the Way Engineering curriculum offered in four dynamic courses:
- Introduction to Engineering Design
- Principles of Engineering
- BCTC Dual Credit IMT Course
- BCTC Dual Credit IMT Course

Earn up to 21 college credit hours* through dual, articulated and advanced placement credit:
- UK WRD 110 & WRD 111
- College Algebra & Finite Mathematics
- PLTW IED, POE, BCTC Dual Credit IMT

Join the award winning VEX Robotics team or Women in Engineering student organization.

Build your resume by earning your REC CAD certification, recognized by industry leaders nationwide.

Gain real-world experience through internships and cooperative learning opportunities.

*College credit may be dependent on qualifying course grades, course exam or matriculation to a specific institution.

Why you should choose the Engineering Technology Village

Find out how your creativity, technical skills, and eye for accuracy can translate into a well-paying 21st Century career. If your passion is ultra-precision production, discover how CAD interfaces with computer aided manufacturing software tools and robotic production. All kinds of students – techies, entrepreneurs, and engineering novices – can find something within this field to fit their interests.

At ECS, the Engineering Technology pathway prepares students to enter 4-year college engineering programs, 2-year apprenticeship programs or graduate into high-demand, high-paying careers in robotics, advanced manufacturing, welding, tool and die, precision engineering or industrial maintenance.
Coming Fall of 2019!!!
The importance of a skilled workforce has never been greater. As companies think globally, it is vital that Kentucky’s workforce be prepared to meet the hiring demands of employers. ECS is taking steps to ensure that our future workforce in the Commonwealth are equipped with superior training and skills needed to compete in the global economy. ECS administration and faculty members are currently meeting with industry professionals to align resources to ensure students receive the education they need to be successful in the Engineering Technology Village. As we continue to develop this pathway, more information on specific courses will be provided.

Introduction to Engineering Design™ - PLTW

Ever wondered how to design something new or draw out an idea to show your friends? Stop wondering and do it, using Autodesk Inventor, the industry-leading 3D design software! Discover the role of an engineer in taking an idea from the design process to manufacturing or production. Produce an incredible, working prototype of your project with a state-of-the-art 3D printer. You will work on projects, activities, and problems not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others.

The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPeL) learning. Used in combination with a learning approach, APPeL-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.
**ENGINEERING TECHNOLOGY**

4 Year Prospective ECS Graduation Plan

### 9th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Engineering @ ECS</td>
<td>1</td>
<td><strong>Yes</strong></td>
</tr>
<tr>
<td>Algebra 1/Honors Geometry</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English 1/Honors English 1 @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Science @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
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</tbody>
</table>

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to enroll in an Early Morning Course at their high school providing they have transportation.

### 10th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Engineering @ ECS</td>
<td>1</td>
<td><strong>Yes</strong></td>
</tr>
<tr>
<td>Algebra 2/Honors Algebra 2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English 2/Honors English 2 @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Science @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
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<tr>
<td>*Elective @ GCHS/SCHS</td>
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### 11th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCTC Dual Credit Industrial Maintenance Technology</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>Geometry &amp; NKU Dual Credit Finite Math/ NKU MA 109 dual credit</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>English 3/UK WRD 110 dual credit English @ ECS</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>ECS Optional Early Morning ENGLISH CHEM 101/102 dual credit Science OR Science @ GCHS/SCHS</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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### 12th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>BCTC Dual Credit Industrial Maintenance Technology</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>NKU Dual Credit College Algebra/ Dual Credit Finite Mathematics</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>UK WRD 111 dual credit English @ ECS</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td>Yes</td>
</tr>
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** Credit hours earned with successful matriculation to supporting participating universities.
The Health Science Village at Elkhorn Crossing School

Experience the Health Science curriculum offered in four unique courses:
- Introduction to Health Science
- Emergency Procedures
- Medical Terminology & Internship
- Medicaid Nurse Aide, Pharmacy, EKG or Phlebotomy Technician

Earn up to 18 college credit hours* through dual, articulated and advanced placement credit:
- AP English Language
- BIO 110 & BIO 111
- Emergency Procedures
- Medical Terminology
- Medical Aid

Join the award winning HOSA organization!

Start working in the field when you earn your SRNA, EKG, Pharmacy or Phlebotomy Technician Certification through the Health Science program.

Gain real world experience through internships and cooperative learning opportunities.

*College credit may be dependent on qualifying course grade, course exam or matriculation to a specific institution.

Why you should choose the Health Science Village

Write your prescription for success in our Health Science Village! Explore careers in sports medicine, nursing, pharmacy, dental, physical therapy, nutrition, emergency medicine and much more. See the world through a healthcare providers eyes as you learn about caring for patients, understanding body systems and common health problems. Learn CPR, first aid and other life-saving emergency procedures.

The ECS Health Science program lays the foundation for students pursuing a career in healthcare including nursing, medical assisting, physical and occupational therapy, pediatrics, general medicine and emergency medicine assisting. Students completing the Health Science program are prepared to enter college healthcare programs of study or seek immediate employment using an acquired certification.
Principles of Health Science

Write your prescription for success in Principles of Health Science offered in the Health Science Freshman Village at Elkhorn Crossing School! Explore careers in sports medicine, nursing, pharmacology, dental, physical therapy, emergency medicine and much more. Students will explore the areas of holistic health as they uncover the secrets of a healthy lifestyle through proper nutrition, physical activities and lifestyle choices. The Health Occupations Students of America (HOSA) organization will be integrated into the Health Science curriculum through leadership opportunities, community service and semester projects. Successful completion of Principles of Health Science will also satisfy the Health credit and Physical Education credit for graduation.

Emergency Procedures

As future physician’s assistants, nurses, athletic trainers, therapists or other healthcare professionals, students will learn effective patient care and core health and safety procedures to prevent injury and illness. This course will teach students how to analyze emergency situations and execute appropriate rescue techniques. Upon successful completion of the course, students will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation for Health Care Providers (CPR) and will be given the opportunity to take the American Heart Association completion examination. The Health Occupations Students of America (HOSA) organization will be integrated into the Human Health curriculum through leadership opportunities, community service and semester projects. PREREQUISITE: Principles of Health Science or bypass from instructor.

Medical Terminology & Internship

If you are interested in pursuing a health science career requiring the ability to communicate with physicians, pharmacists, dentists or other medical professionals, this medical terminology course will cover the medical language and terminology used by healthcare professionals everywhere. You will analyze individual word parts such as prefixes, suffixes and word roots, along with learning body system dynamics, basic medical language, body orientation, health, wellness, and disease terms. An emphasis will be placed on building a working medical vocabulary while learning the basic components of medical terminology as it relates to each body system. As the medical profession continues to grow as a result of the population living longer and advancements in procedures, treatments, and medications, more patients will require medical services. Therefore, this class will also provide students with practical hands-on training and education on performing clinical procedures, preparing the patient for physical exams, laboratory procedures, patient care and the health sciences, which makes them capable of filling a diverse range of duties in the healthcare industry. Participation in ECS Health Occupations Students of America (HOSA), a local, state, and national organization, will be strongly encouraged as an organized means to serve our community. PREREQUISITE: Emergency Procedures or bypass from instructor.

Medicaid Nurse Aide

Medicaid Nurse Aide is designed to provide knowledge, concepts and psychomotor skills necessary for gainful employment as an entry-level healthcare worker. Classroom instruction and educational objectives are combined with learning experiences and observations in a career major practicum. This work-site experience allows students to develop proficiency in skills and does not include monetary compensation. Classroom instruction and educational objectives are focused on the care of residents in long-term care facilities. Kentucky Medicaid limits class size to 15 students. PREREQUISITE: Principles of Health Science, Emergency Procedures, 2.5 or higher GPA, two negative TB skin test, Hepatitis B immunization or waiver, and health insurance.
EKG Technician
This is a senior level course that will educate and train the student to administer electrocardiograms (EKG). Students will complete an independent study course in the classroom and a minimum of 100 hours of clinical rotations, without compensation (practicum) under the supervision of a health professional. Upon successful completion of the course the student will be eligible to take the EKG Technician exam for national certification. Student will be responsible for the test fee. Material covered will include: Anatomy and Electrophysiology of the heart; Electrocardiogram; Heart Rate; Regularity; Select dysrhythmias; and various cardiac conditions. PREREQUISITE: Principles of Health Science, Emergency Procedures, Medical Terminology and teacher approval. Student must have documentation of Hepatitis B vaccine, negative TB skin test, and health insurance. Enrollment is limited based on clinical sites for supervised work-based learning.

Pharmacy Technician
This is an online (computer assisted) course with a pharmacy internship that prepares students for the National Pharmacy Technician Certification (CPhT). You will gain the skills and knowledge to qualify for entry-level positions in a hospital or retail setting. Material covered will include: Orientation, Federal Law, Medication Review, Aseptic Techniques, Calculations, and Pharmacy Operations. It is suggested that students complete and document at least the minimum number of hours of observation required by the instructor and/or interview with a pharmacist or pharmacy technician. Upon completion of this internship, students are eligible to take the Pharmacy Technician Certification Board examination in order to obtain national certification. This internship requires supervised on-the-job work experience related to the students' education objectives in the area of Pharmacy Technician. Students participating in the internship do not receive compensation. Pharmacy technicians typically do the following: collect information needed to fill a prescription from customers or health professionals, measure amounts of medication for prescriptions, package and label prescriptions, organize inventory and alert pharmacists to any shortages of medications or supplies, accept payment for prescriptions and process insurance claims, enter customer or patient information (including any prescriptions taken) into a computer system, answer phone calls for customers, and arrange for customers to speak with pharmacists if customers have questions about medications. PREREQUISITE: Principles of Health Science, Emergency Procedures, Medical Terminology and teacher approval. Student must have documentation of Hepatitis B vaccine, negative TB skin test, and health insurance. Enrollment is limited based on clinical sites for supervised work-based learning.

Phlebotomist Technician
This course prepares students to draw blood samples from patients using a variety of intrusive procedures. Includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling, safety and sanitation procedures, and applicable standards and regulations. This course consists of a combination of classroom and hands-on experiences related to the student's education objectives in the area of phlebotomy. Students may be eligible to take the National Health-careers Association Phlebotomy Tech certification exam upon successfully completing the course.
# HEALTH SCIENCE
4 Year Prospective ECS Graduation Plan

## 9th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Health Science @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>English 1/Honors English 1 @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Intg. Forensic Science/Honors Intg. Forensic Science @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to enroll in an Early Morning Course at their high school providing they have transportation.

## 10th Grade School Year

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<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Procedures @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>English 2/Honors English 2 @ ECS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Environmental Science @ ECS</td>
<td>1</td>
<td>Yes (AP)</td>
</tr>
<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
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<td>*Elective @ GCHS/SCHS</td>
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<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>BCTC Dual Credit Medical Terminology &amp; Internship @ ECS</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>AP English Language @ ECS</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>EKU BIO 111/112 dual credit science @ ECS</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Social Studies @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
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</table>

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## 12th Grade School Year

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<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Morning Medicaid Nurse Aide OR Optional Pharmacy/ EKU/Phlebotomy Tech @ ECS</td>
<td>1</td>
<td>**Yes</td>
</tr>
<tr>
<td>English @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
<td>1</td>
<td></td>
</tr>
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</table>

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** Credit hours earned with successful matriculation to BCTC.

Successful completion of Principles of Health Science will satisfy the health and physical education requirements for graduation.
The Law & Justice Village at Elkhorn Crossing School

Experience the Law & Justice curriculum offered in four unique courses:
- Introduction to Law & Justice
- Criminal Law and Procedures
- Trial Advocacy
- Law & Justice Senior Seminar

Earn up to 18 college credit hours* through dual credit and advanced placement credit:
- UK WRD 110 & WRD 111
- AP Human Geography
- AP World History
- AP US History
- EKU Dual Credit Senior Law Seminar

Join the award winning Student-Y organization. Try out for the ECS mock trial team or serve as a member of the Scott County Teen Court.

Build your resume by earning the NOCTI Criminal Justice certification.

*College credit may be dependent on qualifying course grade, course exam or matriculation to a specific institution.

Why you should choose the Law & Justice Village

Have you ever thought of becoming a judge, lawyer, or police officer? Are you the next Supreme Court Justice or FBI agent? Do you wish to make a difference in your life and community? Learn strategies in constitutional, criminal, and civil law that impact everyone. The classroom will transform into a 21st-Century court of law as you take on roles such as judge, lawyer, defendant, and witness.

The ECS Law & Justice program lays the foundation for students interested in pursuing a career in criminal law, law enforcement, politics, corrections, investigative services, advocacy, and related public safety career pathways. Students completing the Law & Justice program are prepared to enter post-secondary degree programs, enlist in the military or seek immediate employment.
Introduction to Law & Justice

A foundation course that allows you to experience several different areas of the law. Every career needs a strong foundation, and if you are interested in a career in the field of law and justice then Introduction to Law and Justice will help you better understand why we live under the rule of law and how laws are created, enforced, interpreted, and changed. The course will allow you to explore diverse issues and areas of law, including constitutional law, criminal law, civil law, and civil rights. Experience the law first hand as you step foot inside our state-of-the-art 21st Century courtroom, conducting trials in front of juries and arguing cases in front of judges. This course provides students with foundations of the legal system and the legislative process. Throughout the course, students will explore careers in law and justice, the different court systems, and balance of powers in the legal system. Demonstrate your knowledge of law and justice in simulated civil and criminal trials. Students will develop analytical, communication, and presentation skills; as well as conduct a year-end mock United Nations assembly session. Be ready to take the stand as you explore the career areas of law and justice!

Criminal Law and Procedures

This course is designed to provide students with an overview of criminal law, both substantive and procedural. Upon successful completion of this course, students will have acquired an understanding of the criminal prosecutorial process, while also learning the elements of individual crimes. In addition, students will have gained an appreciation for the balance of personal accountability with constitutionally-protected rights. The course will culminate with a year-end appellate moot court oral argument hearing involving a criminal fact pattern. PREREQUISITE: Intro to Law and Justice or bypass from instructor.

Trial Advocacy

This course focuses on trial advocacy in both civil and criminal cases. Topics covered include opening statement and closing argument, direct and cross examination, objections, courtroom decorum, and evidence law. Additionally, this course will prepare students for competitive mock trial. The course will culminate with a year-end mock trial before a judge and jury of community members. PREREQUISITE: Criminal Law and Procedures or bypass from instructor.

Law & Justice Senior Seminar

Careers in criminal law are highly competitive and rigorous. Topics may include advanced legal practice, civil law and procedure, business law, special topics in law, and internship opportunities. Teen Court participation will be a requirement as well as shadowing experiences with various legal professions. The course may also include simulations, demonstrations, report preparation, lecture, and work-based learning experiences. PREREQUISITE: Trial Advocacy or bypass from instructor. This course will be offered early morning.
# LAW & JUSTICE

## 4 Year Prospective ECS Graduation Plan

<table>
<thead>
<tr>
<th>9th Grade School Year</th>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Law &amp; Justice @ ECS</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>English 1/Honors English 1 @ ECS</td>
<td>1</td>
<td></td>
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<tr>
<td>Eng. Social Studies/AP Human Geography @ ECS</td>
<td>1</td>
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<tr>
<td>Math @ GCHS/SCHS</td>
<td>1</td>
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<tr>
<td>Science @ GCHS/SCHS</td>
<td>1</td>
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<tr>
<td>*Elective @ GCHS/SCHS</td>
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</tbody>
</table>

*Elective can include: arts/humanities, band, chorus, health/PE, world language, additional career pathway opportunities. Students may choose to enroll in an Early Morning Course at their high school providing they have transportation.

<table>
<thead>
<tr>
<th>10th Grade School Year</th>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
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</thead>
<tbody>
<tr>
<td>Criminal Law &amp; Procedures @ ECS</td>
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<tr>
<td>English 2/Honors English 2 @ ECS</td>
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<tr>
<td>World History/AP World History @ ECS</td>
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<td>Math @ GCHS/SCHS</td>
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<tr>
<td>Science @ GCHS/SCHS</td>
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<th>11th Grade School Year</th>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
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</thead>
<tbody>
<tr>
<td>Trial Advocacy @ ECS</td>
<td>1</td>
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<tr>
<td>UK WRD 110 dual credit English @ ECS</td>
<td>1</td>
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<tr>
<td>AP US History @ ECS</td>
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<td>Science @ GCHS/SCHS</td>
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<table>
<thead>
<tr>
<th>12th Grade School Year</th>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
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</thead>
<tbody>
<tr>
<td>Early Morning Law &amp; Justice Senior Seminar @ ECS</td>
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<td>Early Morning UK WRD 111 dual credit English @ ECS</td>
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<td>Math @ GCHS/SCHS</td>
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<tr>
<td>*Elective @ GCHS/SCHS</td>
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<tr>
<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
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<td>ECS CO-OP Opportunity OR *Elective @ GCHS/SCHS</td>
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MEDIA ARTS
Capturing a world of opportunities through the lens of creativity.

The Media Arts Village at Elkhorn Crossing School

Experience the Media Arts Video Production curriculum offered in four unique courses:
- Introduction to Media Arts
- Video Fundamentals
- Studio Directing and Performance
- Advanced Studio Production

Earn up to 18 college credit hours* through dual, articulated and advanced placement credit:
- UK WRD 110 & WRD 111
- AP Environmental Science
- 3 - 12 Hours for all Media Arts courses

Join the award winning STLP student organization or produce hard hitting news as members of SCNN: Scott County News Network!

Build your resume by earning Adobe Premiere Pro and Adobe Photoshop industry certifications.

Gain real-world experience through internships and cooperative learning opportunities.

*College credit may be dependent on qualifying course grade, course exam or matriculation to a specific institution.

Why you should choose the Media Arts Village:

Lights! Camera! Action! Go behind the scenes of the entertainment industry, learning trade secrets in computer editing, digital video, photography, digital audio, multi-track recording, set design, studio lighting, remote lighting, video graphics, and animation. Work as part of a production team using state-of-the-art software and technology, and learn how good storytelling is the essence of good video!

At ECS, the media arts village prepares students to enter post-secondary degree programs or graduate into creative careers with acquired Adobe industry certifications. The ECS media arts program is perfect for students seeking careers in photography, broadcasting, graphic design, video editing and production and animation.
Introduction to Media Arts

The first course in the media arts studies is offered at Elkhorn Crossing School to incoming freshman. The intro to media arts course will offer a broad overview of various aspects of media art including digital video, broadcast journalism, graphic design, and photography. No prior knowledge of media art is required! This course will set up freshman for success through their journey of the media arts village, and will build foundational skills that students can apply throughout their academic pursuits.

Video Fundamentals

The second course in the sequence of media arts studies is offered at Elkhorn Crossing School to sophomores. This course will expose student to the materials, processes, and artistic techniques involved in creating video productions. Students learn about the operation of cameras, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture and editing techniques. Course topics may include production values and various styles of video production (e.g., documentary, storytelling, news magazines, animation, etc.) Students may be exposed to digital and traditional film. As students advance they are encouraged to develop their own artistic styles. Major filmmakers, cinematographers, video artists and their work may be studied. Successful completion of this course will also satisfy the arts/humanities credit for graduation. PREREQUISITE: Introduction of Media Arts or bypass from instructor.

Studio Directing & Performance

The third course in the sequence of media arts studies is offered at Elkhorn Crossing School to juniors. This course explores the role of the director within the studio system. Students develop knowledge and skills in studio multi-camera and field television production. Students also develop performance skills for broadcasting including interpretation of copy, news casting, and ad lib announcing. The course covers techniques of narrative and non-fiction writing and scripting, the analysis and writing of radio, television, and video materials, including storytelling and screenwriting. Successful completion of this course will also satisfy the arts/humanities credit for graduation. PREREQUISITE: Video Fundamentals or bypass from instructor.

Advanced Studio Production

The final course in the sequence of media arts studies is offered at Elkhorn Crossing School to seniors. Students will explore the creative and conceptual aspects of designing and producing moving images for the variety of cinematic, film/video and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of moving imagery; all processes of development including: pre-production planning and organization, production and post-production methods, tools and processes; moving image presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. Successful completion of this course will also satisfy the arts/humanities credit for graduation. PREREQUISITE: Studio Directing & Performance or bypass from instructor.
# Media Arts
## 4 Year Prospective ECS Graduation Plan

### 9th Grade School Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
<th>College credits earned</th>
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<tbody>
<tr>
<td>Introduction to Media Arts @ ECS</td>
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<td>Social Studies @ GCHS/SCHS</td>
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### 10th Grade School Year

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<thead>
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<th>Course Description</th>
<th>H.S. Credits Earned</th>
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<tbody>
<tr>
<td>Video Fundamentals @ ECS</td>
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<td>English 2/Honors English 2 @ ECS</td>
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<td>Biology/Honors Biology @ ECS</td>
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### 11th Grade School Year

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<th>Course Description</th>
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<tr>
<td>Studio Directing &amp; Performance @ ECS</td>
<td>1</td>
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<tr>
<td>UK WRD 110 dual credit English @ ECS</td>
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<td>AP Environmental Science @ ECS</td>
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### 12th Grade School Year

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<tr>
<th>Course Description</th>
<th>H.S. Credits Earned</th>
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<tbody>
<tr>
<td>Early Morning Advanced Studio Directing @ ECS</td>
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<tr>
<td>Early Morning UK WRD 111 dual credit English @ ECS</td>
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<td>Math @ GCHS/SCHS</td>
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** Credit hours earned with successful matriculation to participating colleges.

Successful completion of a Media Arts course will satisfy the arts/humanities requirement for graduation.
<table>
<thead>
<tr>
<th>ENHANCED OPERATOR CERTIFICATE</th>
<th>KUKA</th>
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<tr>
<td>WORKPLACE PRINCIPLES</td>
<td>MODULE 1: INTRODUCTION TO ROBOTICS</td>
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<tr>
<td>SAFETY</td>
<td>MODULE 2: FIELDS OF APPLICATION FOR INDUSTRIAL ROBOTS</td>
</tr>
<tr>
<td>APPLIED MATHEMATICS</td>
<td>MODULE 3: OVERVIEW OF COMPONENTS OF A ROBOT</td>
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<tr>
<td>HAND&amp; POWER TOOLS</td>
<td>MODULE 4: INDUSTRIAL ROBOTS</td>
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<tr>
<td>METROLOGY &amp; CONTROL CHARTS</td>
<td>MODULE 5: ROBOT CONTROLLER</td>
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<tr>
<td>LEAN MANUFACTURING</td>
<td>MODULE 6: MOVING THE ROBOT</td>
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<tr>
<td>INTRODUCTION TO QUALITY MANAGEMENT SYSTEMS</td>
<td>MODULE 7: START-UP</td>
</tr>
<tr>
<td>LEAN SIX SIGMA YELLOW BELT</td>
<td>MODULE 8: EXECUTING ROBOT PROGRAMS</td>
</tr>
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</table>

**CENTRAL REGION HIGH-DEMAND INDUSTRY**

- Advanced Manufacturing
- Business & IT Services
- Construction
- Transportation & Logistics
Fayette County Technical Centers

Required: Completion of an application
The Fayette County Technical Centers offer career and technical occupational training to high school students. All courses offered at Fayette County Technical Centers follow the Kentucky Department of Education (KDE) Career & Technical Education (CTE) curriculum and upon completion of an approved pathway of study will qualify the student as Career Ready. Students interested in receiving training in one of the technical programs should have a satisfactory scholastic standing, possess an average mechanical ability, and be able to follow written and verbal instructions. Acceptable standards of conduct, attendance, classroom work, and practical work are required for continuous enrollment. Students may earn up to three (3) elective credits for each year that they attend. Students who take an academic class will receive one (1) academic credit and two (2) elective credits. Students may attend a Technical Center multiple years for more advanced training depending upon graduation requirements and scheduling needs. Students who have achieved a level of acceptable work in a course may be allowed to participate in a work-based learning program, which allows students an opportunity to spend part of the school day working at a job in the community in a particular field of training.

**EASTSIDE TECH**

4 Credits Open to 11, 12

**CORE CLASSES – NOT AVAILABLE for students outside of Fayette County for 2019-20 school year!**

**CAREER PATHWAYS/COURSES**

**TRANSPORTATION**

**AUTOMOTIVE TECHNOLOGY**

Students become knowledgeable in the various systems of automotive to develop skills in troubleshooting, performing preventive maintenance, and servicing and repairing automobiles. Areas of study meet National Institute for Automotive Service Excellence (ASE) and current industry specifications and include engines, electrical systems, automotive electronics, brake systems, and steering & suspension.

**COLLISION REPAIR TECHNOLOGY**

From repairing small dents to rebuilding the bodies of wrecked or damaged vehicles, this program meets National Institute for Automotive Service Excellence (ASE) and current industry specifications and standards. Students are taught the types of materials used in filler compounds, the colors and chemical make-up of paints, design and installation of trim, cost estimation and preparation for finish work. Students who complete this program are qualified to continue their education at the postsecondary level as well as for employment in shops and dealerships.

**DIESEL TECHNOLOGY**

Students in diesel technology learn to repair and maintain heavy trucks, heavy equipment and diesel engines. Students develop skills in troubleshooting, preventative maintenance, repair and servicing of all vehicles and equipment that utilizes diesel power. Instruction is focused on preparing students for postsecondary opportunities or career placement within this high-tech, high-demand career field.
COMMUNICATION

CINEMATOGRAPHY & VIDEO PRODUCTION
Students enrolled in Eastside’s Cinematography and Video Production program learn what it takes to be successful in today’s fast-paced multi-media world. Our students are learning it all: reporting and anchoring for TV, videography, editing, behind the scenes news production, podcasting, blogging, composing original music for newscasts, and storytelling through digital photography. Eastside students have access to the most up-to-date equipment. They will learn to use the same editing software used in academy award winning blockbusters. Our students have the creative freedom to explore storytelling and turn their vision into multi-media masterpieces.

HOMELAND SECURITY
FIRE & EMERGENCY MEDICAL SERVICES
This course is intended to prepare students to enter postsecondary programs in Homeland Security, enlistment in the United States military, or a postsecondary program or entry-level position in public service as a firefighter and emergency medical technician at the municipal, state, and federal levels. Course work requires demanding physical training that follows standards established for firefighting personnel. Course work also includes introduction to firefighting equipment and use, fire behavior and combustion, fire investigation, fire protection systems, and fire prevention. This program has an enhanced code of conduct.

LAW ENFORCEMENT
This is a broad based program for students with an interest in criminal justice, law enforcement, public safety and other related legal careers. The program includes the study of civil and criminal law providing a strong foundation for entry into advanced training within the military, at a police academy or college. Intense physical training based on current peace officer standards for Kentucky, as well as studies in criminal investigations, crime scene investigations, officer safety, patrol techniques, communications, and criminal law are included. This program has an enhanced code of conduct.

HOMELAND SECURITY & EMERGENCY MANAGEMENT
This CTE pathway combines courses and experiences from the Fire and Law Enforcement pathways. Experience will occur in these core areas: emergency planning & response for various risks, threats & hazards, and the integration & coordination of different public safety disciplines; federal, state, & local responsibilities; and the role of the private sector. Emphasis is placed upon aspects of national security, infrastructure protection, and hazardous events (natural & man made mitigation) mitigation. This program has an enhanced code of conduct.

AERONAUTICS & AEROSPACE
This new pathway prepares individuals to apply technical knowledge into the first phase of aviation training leading to a commercial pilot license as well as the skills need to repair, service, and maintain all aircraft and their components. Some of the areas studied include navigation of commercial and passenger aircraft, flight systems and controls, flight crew operations and procedures, and safety and traffic regulations. Students will also study how to repair/service and maintain aircraft engines, propellers, avionic instruments, layout and fabrication of sheet metal, fabric, parts, cables, and hydraulic units. To satisfy FAA requirements, students must log hours and work with approved FAA rated Airframe and Powerplant Technicians or Inspection Authorized persons.
SOUTHSIDE CONSTRUCTION TECHNOLOGY PROGRAMS:

CARPENTRY
The carpentry program teaches students to perform to national construction industry standards. Students are recommended to have a strong background in mathematics as they will study math in the classroom and also in the lab. Students are provided with hands-on carpentry experiences. Students will have opportunity to attain OSHA certifications.

ELECTRICAL TECHNOLOGY
Students in the program will have the opportunity to study and practice residential wiring, industrial electricity, and programmable logic controllers (PLCs). Students will learn how to install wiring, conduit, service motors, and much more. Numerous fields of specialization are open to highly skilled electricians and the pay is very good.

SOUTHSIDE MANUFACTURING TECHNOLOGY PROGRAMS:

ELECTRONICS TECHNOLOGY
The program consists of class and lab activities using a modular approach to electronic circuitry. Students will focus on Integrated Electronics with emphasis being placed upon home and industrial engineering and installation of security, theater, audio and surveillance systems. Students also have the opportunity to work with robotics.

*Continue reading for Dual Credit course options…
Opportunity College is a collaboration between area high schools and Bluegrass Community & Technical College (BCTC). It provides juniors and seniors with the opportunity to earn college credit while still in high school.

Courses are offered at all BCTC campuses and at some High School and Area Technology Center sites.

- **Costs:**
  - Regular college tuition and fees are charged for dual credit courses. However, the KY Dual Credit scholarship is available to high school students who meet eligibility requirements, and whose school is partnering with BCTC through a Memorandum of Agreement.

- **Scholarship:**
  - The KY Dual Credit Scholarship is administered through the KY Higher Education Assistance Authority (KHEAA).
    - Provides funding for 1/3 of tuition for up to two courses
    - BCTC waives 2/3 tuition and fees
    - Student must cover cost of textbooks (hard copy and/or digital)
    - For more information: [https://www.kheaa.com/website/kheaa/dual_credit?main=1](https://www.kheaa.com/website/kheaa/dual_credit?main=1)

To be eligible to enroll in dual credit courses, all students must meet minimum ACT, SAT, KYOTE, or Wonderlic score requirements as well as course prerequisites, and have a 2.5 unweighted high school GPA.

Courses on campus follow the BCTC Academic Calendar and may require students to attend class on days when their high school is not in session. Courses at the high school site follow the high school calendar.

To apply, submit the BCTC application online first at the link below. If you want to take courses at your high school, work with your HS Guidance Counselor or dual credit instructor to submit the documents below. If you want to take courses on a BCTC campus, then contact one of the BCTC advisors listed at the bottom of this page to schedule an appointment to be enrolled. Bring the official HS transcripts, scores and letter of recommendation to the advising appointment.

- College application ([http://www.bluegrass.kctcs.edu](http://www.bluegrass.kctcs.edu) (click on "High School" under "Begin Here". Be sure to choose the semester that you intend to take dual credit courses)
- Official high school transcript
- Official ACT, SAT, KYOTE or Wonderlic scores

Opportunity College advisors:
- Melinda Lemaster  Melinda.lemaster@kctcs.edu  (859)246-6367
- Will Hibbard  Will.hibbard@kctcs.edu  (859)246-6268
Suggested BCTC General Education Dual Credit Courses

<table>
<thead>
<tr>
<th>COMMUNICATION:</th>
<th>ACT Score</th>
<th>Wonderlic Score</th>
<th>KYOTE Score</th>
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<tr>
<td>Written</td>
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</tr>
<tr>
<td>ENG 101 (Writing I)</td>
<td>≥18 ENG &amp; ≥20 RDG</td>
<td>≥325 Verbal</td>
<td>≥20 KY READ &amp; ≥6 KY ENGL</td>
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<tr>
<td>ENG 102 (Writing II)</td>
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<td>≥325 Verbal</td>
<td>≥20 KY READ &amp; ≥6 KY ENGL</td>
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<td>* Must complete ENG 101 first</td>
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<tr>
<td>Oral</td>
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<td></td>
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</tr>
<tr>
<td>COM 181 (Basic Public Speaking)</td>
<td>≥18 ENG &amp; ≥20 RDG</td>
<td>≥325 Verbal</td>
<td>≥20 KY READ &amp; ≥6 KY ENGL</td>
</tr>
<tr>
<td>COM 252 (Intro Interpers Comm)</td>
<td>≥18 ENG &amp; ≥20 RDG</td>
<td>≥325 Verbal</td>
<td>≥20 KY READ &amp; ≥6 KY ENGL</td>
</tr>
</tbody>
</table>

| ARTS & HUMANITIES:      |           |                 |                      |
| Heritage                |           |                 |                      |
| HIS 108 (His of US through 1865) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| HIS 109 (His of US since 1865)  | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| Humanities              |           | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| HUM 120 (Intro to Humanities)  | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |

| SOCIAL & BEHAVIORAL SCIENCES: |           |                 |                      |
| POL 101 (American Government) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| PSY 110 (Gen. Psychology)    | ≥18 ENG & ≥20 RDG | ≥325 Verbal | ≥20 KY READ & ≥6 KY ENGL |
| * Must have already completed ENG 101 or be enrolled concurrently |         |               |                      |
| SOC 101 (Intro to Sociology) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |

| NATURAL SCIENCES:         |           |                 |                      |
| BIO 112 (Intro to Biology) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| BIO 120 (Human Ecology)   | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| CHE 120 (The Joy of Chemistry) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |
| * BIO 112 and CHE 120 have labs available (BIO 113 and CHE 125) |         |               |                      |
| GEO 130 (Earth’s Physical Envrn.) | ≥20 RDG | ≥325 Verbal | ≥20 KY READ |

| QUANTITATIVE REASONING:   |           |                 |                      |
| MA 111 (Contemporary Math) | ≥19 MATH | ≥290 Quantitative | ≥ 22 KMATH |
| MAT 150 (College Algebra)  | ≥22 MATH | ≥330 Quantitative | ≥22 KMATH & ≥14 KALG |

Electives or any other Gen Ed classes must be approved by HS Counselor and by BCTC Dual Credit Advisor.

*Technical course suggestions are based on program. This link will take you to BCTC programs: https://bluegrass.kctcs.edu/education-training/program-finder/index.aspx
Just click on a program and it will direct you to the program website with a check list of course requirements. Please make an advising appointment to discuss.
Eastern Kentucky University wants to make higher education achievable for all hard-working Kentucky students. The EKU Dual Credit Program allows high school juniors and seniors to take college classes at vastly discounted tuition rates, earning college credits while fulfilling your high school’s graduation requirements.

What are the benefits of participating in the EKU Dual Credit Program?

Studies show that students who participate in dual credit:

- Are better prepared for college-level work.
- Tend to enroll full time in college after high school graduation.
- Complete their college work more quickly and successfully.
- Save thousands of dollars in tuition.

What benefits can I take advantage of as a dual credit student?

- You will receive access to EKU Library’s ever-growing databases, with over 80,000 eBooks and a wide range of journals to assist you in your course work.
- You can access free consultation and tutoring services both on campus and via SKYPE.
- You will have a free e-mail account with access to Google Drive and Office 365.
- Student ticket prices for all EKU events and free access to EKU sporting events with an ID.

What benefits do I have as an applying college freshman?

- You can apply for both dual credit and to be a college freshman at EKU with a single application.
- Your freshman application fee will be waived.
- You qualify for the Study Strong Freshman Scholarship. Students who earn dual credit through EKU can virtually double their investment, earning up to $2,400 in additional scholarship dollars for getting good grades and keeping those credits at EKU. See scholarships.eku.edu/state-freshmen for more information.

How do I qualify?

- You must be a junior or senior in high school.
- You must have a high school GPA of at least 3.0 (weighted or unweighted).
- You must meet college readiness in English through either the ACT, SAT, KYOTE, or EKU Placement Testing, or have ENG101 equivalent AP credit or credit from another post-secondary institution.

How do I apply?

- Visit dualcredit.eku.edu.
- Select “How To Apply.”
- Click “Apply Now.”
- Follow the prompts.
- You will also need to submit your official high school transcript and ACT or equivalent test scores through your guidance counselor. Application deadlines are June 15 for fall semester and November 1 for spring semester.
What courses are available?

Proposed high-school campus courses for 2019/2020 (subject to approval)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG101</td>
<td>A writing course developing critical reading skills while integrating and responding to varied sources; composing texts including summaries, analyses, evaluations, responses, and arguments; emphasizing style, organization, coherence, purpose, and persuasion for different audiences</td>
</tr>
<tr>
<td>ENG102</td>
<td>A writing course refining components of ENG 101/101R studying information sources and research methods; accessing, critically reading, evaluating, integrating, and documenting primary and secondary sources; utilizing information technology for inquiry, analysis, and argumentation</td>
</tr>
<tr>
<td>MAT114</td>
<td>Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions. Use of graphing calculators. <strong>Prerequisite:</strong> MAT 098 or 110 with a grade of “C” or better, a minimum score of 22 on the mathematics portion of the ACT, a minimum score of 510 on the mathematics portion of the SAT, or a passing score on an algebra placement test.</td>
</tr>
<tr>
<td>BIO100</td>
<td>The course will deal with introductory principles of biology that are fundamental to an individual’s knowledge as it pertains to the interrelationships of organisms in the natural world. Topics to be addressed: cellular basis of life, metabolism, genetics, biological diversity, reproduction, evolution, ecology, and environmental biology. <strong>Prerequisite:</strong> Completion of all academic readiness requirements.</td>
</tr>
<tr>
<td>CHE101</td>
<td>For students who plan to take no more than one year of chemistry. Basic principles of structure and properties of matter, chemical nomenclature and reactivity. Relates chemistry concepts to everyday life phenomena. <strong>Prerequisite:</strong> completion of all academic readiness requirements. <strong>Prerequisite or Co-requisite:</strong> ACT math score 21 or higher; or SAT math score equivalent; or MAT 105 or higher.</td>
</tr>
</tbody>
</table>

Additional online courses are available on a first-come-first-serve basis:

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH171</td>
<td>Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance.</td>
</tr>
<tr>
<td>PSY200</td>
<td>A survey of the major content areas and methods of psychology, including history, biological correlates, cognition, language, intelligence, motivation, emotion, development, personality, abnormal, therapy, and social behavior. <strong>Prerequisite:</strong> completion of reading academic readiness indicators.</td>
</tr>
<tr>
<td>SOC131</td>
<td>Basic principles in sociology, including socialization, groups and interaction, culture, social structure and institutions (family, education, religion, politics, economics), crime/deviance, social inequalities (race, class, gender), and sociological research methods and theories.</td>
</tr>
<tr>
<td>GEO210</td>
<td>Study of natural processes operating at the earth’s surface with special emphasis on weather and climate and landforms as explanations for how and why physical and human phenomena vary from place to place.</td>
</tr>
<tr>
<td>CMS100</td>
<td>An introduction to the study of human communication. Overview of major topics in contemporary theories of intrapersonal, interpersonal, small group, and public communication. Practice in the development of skills in each of these areas.</td>
</tr>
<tr>
<td>HIS102</td>
<td>Transition from colonial to independent republic; social, cultural, and economic institutions derived from agrarian conditions; the influence of European foundations.</td>
</tr>
<tr>
<td>HIS103</td>
<td>Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience.</td>
</tr>
<tr>
<td>POL101</td>
<td>Principles, functions, and basic political institutions of the American system of government at the national level.</td>
</tr>
</tbody>
</table>
How many courses can I take?
You can take two courses each fall and spring semester of your Junior and Senior year for a total of eight classes.

How much will it cost?
The 2018-2019 tuition cost is $53 per credit hour, a savings of more than 80% when compared to standard tuition. Tuition is subject to change according to state dual credit tuition policies. Students are responsible for the cost of their textbooks (including digital textbooks), course materials and parking passes, if applicable.

Can I get scholarships?
Yes, Kentucky Students qualify for the KY State Dual Credit and Work Ready Scholarships from the state. For more information, please visit the KHEAA website.

What grades must I get to remain in the program?
To continue participation after the first semester, you'll need to maintain a 2.0 minimum cumulative GPA. If you earn a D or F in a course, you'll need to repeat it and earn a 2.0 or above to continue in the program. If you repeat a course, tuition will not be covered by state scholarships.
Dual Credit Courses offered on the Georgetown College Campus
Open to enrollment of Scott County High School Seniors

Charge: $400 per course, up to three courses.
Apply at gogc.me/apply.

**Fall:**
ART 121: Intro to Graphic Design
ART 170: Topics in Art
ART 210: Survey of Art History I
ART 220: Digital Photography
BIO 111: Biological Principles
BUA 125: Intro to Business
BUA 210: Principles of Accounting I
CHE 111: General Chemistry I
COMM 101: Principles of Communication
COMM 115: Professional Communication
ENG 211: English Literature Survey I*
ENG 111: English Composition I
ENG 112: English Composition II*
FRE 101: Elementary French I (other levels may be available)
LAT 101: Elementary Latin I
HIS 111: History of Civilizations to 1648
HIS 223: Intro to American History 1492-1877
MAT 111: Statistics
MAT 115: Liberal Arts Mathematics
MAT 125: Calculus I
PHI 151: Ethics
PHI 152: Logic
PHI 201: History of Philosophy I
POS 100: American Government
PSY 111: General Psychology
REL 231: New Testament I
REL 235: Old Testament Law and History
REL 243: Christian Heritage
REL 257: Basic Christian Thought
SPA 101: Elementary Spanish I (other levels may be available)
SOC 118: Cultural Diversity
THE 225: Acting

**Spring:**
ART 121: Intro to Graphic Design
ART 211: Survey of Art History 2
ART 220: Digital Photography
BUA 211: Principles of Accounting II*
CHE 100: Liberal Arts Chemistry
CHE 112: General Chemistry II*
COMM 101: Principles of Communication
ENG 111: English Composition I
ENG 112: English Composition II*
ENG 213: English Literature Survey II*
FRE 102: Elementary French II*
LAT 102: Elementary Latin II*
HIS 225: American History: 1877 to Present
MAT 111: Statistics
MAT 115: Liberal Arts Mathematics
MAT 125: Calculus I
PHI 151: Ethics
PHI 152: Logic
POS 100: American Government
PSY 111: General Psychology
REL 233: New Testament II
REL 237: Old Testament Prophecy & Poetry
REL 257: Basic Christian Thought
SOC 118: Cultural Diversity
SOC 111: Principles of Sociology
SPA 101: Elementary Spanish I
THE 225: Acting

(Other courses may be available to fit specific needs.)
*Prerequisite may be needed

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FAQ for Scott County/Georgetown College Dual Enrollment Students
FALL 2019

When do classes start at Georgetown College?
Classes start on August 19, 2019. If you have a TR (Tuesday/Thursday) course, this course would start August 20.

What do you need to do before the first day of class?
Get your textbooks (see below for more on this), and figure out where your classes are (see below and attached map).

How do I get my schedule?
Your schedule is available on the Georgetown Portal: my.georgetowncollege.edu.
1) Go to my.georgetowncollege.edu, and if you have never signed in before, click on “Create Your Account” on the left-hand side of the page.
2) Click on the bottom toggle box, “High School/Special,” then put in your ID#, Birthday, Zip code, and Last Name.
3) You will then be given options for a username, and will need to follow the directions to create your password.
Once you are signed in, your schedule is available under the tab “Student.”

How do I set up my Georgetown Email account? Do I need to do so?
Your email account will be set up automatically once you set up your portal account following the directions above (under “How do I get my schedule?”). Once you sign into the portal, you will see a link for your email at the bottom left hand corner of the page.

Yes, you need to check your email at least once per day during the semester as this is the primary way that professors will communicate with you about assignments, any changed or canceled classes, etc.

Where are my classes?
Your schedule will list the day (MWF is Monday, Wednesday, and Friday; TR is Tuesday and Thursday, etc.) and time of meeting, and then the building and classroom number. Here are the building codes so that you can find the buildings; you can access a campus map at gogc.me/campusmap:

AH 3  Anderson Hall
ASC 5  Asher Science Center
CMB 9  Cooke Memorial Building
FCTR 15  George H.W. Bush Center for Fitness
GDD 16  Giddings Hall
HC 18  Hill Chapel
HH 17  Highbaugh Hall
LRC 12  Ensor Learning Resource Center
LT 39  Lab Theater
MCH 24  McCandless House
MEET 28  The Meetinghouse
NMB 25  Nunnelly Music Building
PH 27  Pawling Hall
WAB 4  Wilson Fine Art Building
How do I get a student ID?
Your student ID will be created once you have applied. If you have applied but don’t know your ID, please call or email the admissions office and we can provide it to you.

Do I need a GCard? How do I get one and put money on it?
Yes, you will need your GCard to check out books or materials at the library, so you should get one. Also, as a Georgetown College student you can get discounts around town (for example, at the movies), and you also can use your GCard to buy lunch or coffee or books/snacks on campus. Your first GCard is free (there is a fee if you lose it and need to replace it, however).

To get a GCard you will need to have your student ID # and visit our business office (in Highbaug Hall) during normal business hours. You can put money (Tiger Dollars) on the GCard through the business office or through the portal.

Can I eat on campus/do I have to eat on campus?
You may eat on campus, but you do not have to do so. The caf, in the Student Center, is open all day from 7:30 a.m.-9:30 p.m., and you may purchase a meal there. You can also purchase snacks from the C-Store (next to the caf) or a la carte sandwiches and snacks from the Mulberry Café in the library.

Do I have to have a parking pass to park on campus?
Yes, you do have to get a parking pass, but as a Dual Enrollment student there will be no charge for your parking pass. You can register your vehicle and receive your parking pass by signing into the portal (see above under “How do I get my schedule?” for directions), then going to the GC Life tab. “Vehicle Registration” is a link on the left-hand side of the page.

Where can I park?
Students can park in the lot across Mulberry Street from the library, or in the lots on Jackson and Military Streets. A map of parking lots will come with your parking pass.

Where/how do I get my textbooks?
You may purchase all of your textbooks in our on-campus bookstore, operated by Follett books in the bottom level of the student center. You may also purchase books ahead of time by looking up your classes on the bookstore website: www.georgetowncollege.bkstr.com; click on the tab for books, and then follow the directions. Your program is undergraduate. Once you learn what books are required, you could also choose to get them from an online source or a different bookstore or library. It is very important to have all of your books by the first week of class.

Where/how do I pay my tuition and how much does it cost?
You can pay through the portal or by working with the business office. Dual Enrollment students from Scott County pay only $400 per class for up to three classes per semester.

How will I get my grades and/or a transcript after the semester?
Your grades are available on the portal about two weeks after the end of finals, and you can request a transcript through the Registrar’s website.

Whom can I call with any remaining questions?
- For questions about admissions, call 502-863-8009 or email admissions@georgetowncollege.edu
- For questions about your class schedule, call 502-863-8024 or email registrar@georgetowncollege.edu
- For help with classes, including tutoring or the writing center, call 502-863-7070 or email academic_success@georgetowncollege.edu
Georgetown College Academy

Are you ready to get started with college? Want to only go to school in the morning? The Georgetown College Academy is for you!

Any senior who has an unweighted GPA of a 3.0 is eligible to apply to take three dual credit classes (English, math, and an elective) at Georgetown College from 9-11 a.m. Monday-Friday as part of the Academy, then be done for the rest of the day. This would even allow you to participate in the co-op program at SCHS, or work on your own and earn money! (Some classes may be at other times depending on the electives you choose.)

Even better, you can take advantage of our low Scott County dual-enrollment price of $400 per course as part of this Academy, and get a head start on college! Georgetown College credits transfer to most schools, and you can take cool electives in the area of your choice.

Best of all, if you keep at least a 3.25 in your Georgetown College courses and complete all of your high school work, you are guaranteed admission into Georgetown College starting as early as the spring of your senior year!

To apply for the Georgetown College Academy, go to gogc.me/apply.
Midway University welcomes new and returning students to its Dual Credit program. We offer classes on our Midway campus, online, and we also partner with Scott County Schools to offer courses taught at the high schools by high school instructors who are approved by the respective department chairs here at Midway to serve as adjunct Midway University faculty. Midway is a participating institution in Kentucky in the state’s Dual Credit Scholarship program. Because of that, our Dual Credit courses are offered at the state’s low mandated cost per credit hour; it is one-third the cost per credit hour of the Kentucky Community and Technical College System in-state hourly tuition rate ($56 per credit hour in 2018-19).

Our classes generally range from 8:00 am until 3:20 pm MW(F) or TuTh, and some Dual Credit (DC) students have opted for online courses in addition to face to face courses. DC students are welcome to attend any of those time frames or venues. Registration for our DC students is open until the first week of classes each term. Dual Credit students must apply with the same admission standards set forth for all our undergraduate students. Please contact Midway Office of Admissions at 1.800.952.4122, or admissions@midway.edu. One can apply at the following link: http://www.midway.edu/admissions-aid/apply-to-midway/undergraduate-programs/dual-credit-high-school-students/

The Assistant Vice President for Academic Affairs, is the contact administrator for students in the Dual Credit program at Midway University: (859)-846-5779. Here is a list of college courses one could take as part of being enrolled in Midway’s DC program:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 210</td>
<td>Principles of Accounting I</td>
<td>3 hours</td>
</tr>
<tr>
<td>ART 101</td>
<td>Art Appreciation</td>
<td>3 hours</td>
</tr>
<tr>
<td>ART 202</td>
<td>Photoshop</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 103</td>
<td>General Biology I</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 104</td>
<td>General Biology I Laboratory</td>
<td>1 hour</td>
</tr>
<tr>
<td>BIO 155</td>
<td>Exploring Life’s Diversity</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 156</td>
<td>Exploring Life’s Diversity Lab</td>
<td>1 hour</td>
</tr>
<tr>
<td>BIO 190</td>
<td>Anatomy and Physiology I</td>
<td>3 hours</td>
</tr>
<tr>
<td>BIO 191</td>
<td>Anatomy and Physiology I Lab</td>
<td>1 hour</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Principles of Management</td>
<td>3 hours</td>
</tr>
<tr>
<td>BUS 255</td>
<td>Principles of Marketing</td>
<td>3 hours</td>
</tr>
<tr>
<td>CHM 170</td>
<td>General Chemistry I</td>
<td>4 hours</td>
</tr>
<tr>
<td>CHM 171</td>
<td>General Chemistry Laboratory I</td>
<td>1 hour</td>
</tr>
<tr>
<td>CRJ 101</td>
<td>Introduction to Criminal Justice</td>
<td>3 hours</td>
</tr>
<tr>
<td>DVS 290</td>
<td>Human Difference</td>
<td>3 hours</td>
</tr>
<tr>
<td>ENG 101</td>
<td>College Writing I</td>
<td>3 hours</td>
</tr>
<tr>
<td>ENG 102</td>
<td>College Writing II</td>
<td>3 hours</td>
</tr>
<tr>
<td>ENG 220</td>
<td>Creative Writing</td>
<td>3 hours</td>
</tr>
<tr>
<td>GEO 110</td>
<td>Physical Geography</td>
<td>3 hours</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>HIS 101</td>
<td>World Civilization I</td>
<td>3 hours</td>
</tr>
<tr>
<td>HIS 102</td>
<td>World Civilization II</td>
<td>3 hours</td>
</tr>
<tr>
<td>HIS 140</td>
<td>History of the U.S. to 1865</td>
<td>3 hours</td>
</tr>
<tr>
<td>HIS 141</td>
<td>History of the U.S. from 1865</td>
<td>3 hours</td>
</tr>
<tr>
<td>MCO 201</td>
<td>Intro. to Marketing Comm.</td>
<td>3 hours</td>
</tr>
<tr>
<td>MTH 135</td>
<td>Intermediate Algebra</td>
<td>3 hours</td>
</tr>
<tr>
<td>MTH 139</td>
<td>Intro. to Quantitative Analysis</td>
<td>3 hours</td>
</tr>
<tr>
<td>MTH 140</td>
<td>College Algebra</td>
<td>3 hours</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Finite Mathematics</td>
<td>3 hours</td>
</tr>
<tr>
<td>MUS 167</td>
<td>Music Appreciation</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSC 105</td>
<td>Exploring Dynamic Connections on Earth</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSY 180</td>
<td>General Psychology</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSC 260</td>
<td>Human Growth and Development</td>
<td>3 hours</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Principles of Sociology</td>
<td>3 hours</td>
</tr>
<tr>
<td>SPM 110</td>
<td>Intro. to Sport Management Theory and Practice</td>
<td>3 hours</td>
</tr>
<tr>
<td>SPM 210</td>
<td>Psychology of Sport</td>
<td>3 hours</td>
</tr>
<tr>
<td>WST 100</td>
<td>Contemporary Women’s Issues</td>
<td>3 hours</td>
</tr>
</tbody>
</table>
MURRAY STATE UNIVERSITY
RACER ACADEMY OF AGRICULTURE
2019-2020 Dual Credit for Agriculture Students

Student Information: Available to high school juniors and seniors
* Participating students need to apply online through the Racer Academy website: murraystate.edu/RacerAcademy.
* Students must meet admission requirements for consideration: 3.0 GPA or top half of class (transcript required).
* $56 course fee (subject to change) per credit hour (Fall 2019 and Spring 2020).
* Students will receive the appropriate hours of college credit for completing the course assignments, quizzes, mid-term exam and final exam.

<table>
<thead>
<tr>
<th>College Course Offered</th>
<th>Related High School Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGR 199 Contemporary Issues in Ag (3 hours)</td>
<td>Ag. Communications or Special Topics in Ag</td>
</tr>
<tr>
<td>AGR 100 Animal Science (3 hours)</td>
<td>Advanced Animal Science or Special Topics in Ag</td>
</tr>
<tr>
<td>AGR 133 Field Applications in Ag (2 hours)</td>
<td>Ag Math or Course to be determined by local teacher *May count for 4th math credit only if student has met ACT math benchmark.</td>
</tr>
<tr>
<td>AGR 182 Intro to Pre-Vet Science (3 hours, elective course)</td>
<td>Vet Science or Advanced Animal Science</td>
</tr>
<tr>
<td>AGR 130 Intro to Agri-Business/Economics (3 hours)</td>
<td>Agribusiness Farm Mgmt., Ag Sales and Marketing</td>
</tr>
<tr>
<td>AGR 140 Plant Science (3 hours)</td>
<td>Greenhouse, Agi-science, floriculture, nursery, crop science or any plant science related course</td>
</tr>
<tr>
<td>AGR 185 Ag. Leadership (3 hours)</td>
<td>Ag Communications, Ag Sales and Marketing or any course with leadership emphasis</td>
</tr>
</tbody>
</table>
UK Dual Credit Program in Partnership with Scott County Schools

As part of the Kentucky Dual Credit Scholarship Program, the University of Kentucky partners with Kentucky high schools to offer two courses for dual credit. These courses are taught at the high school by high school instructors who are approved by the respective department chairs here at UK to serve as volunteer UK faculty. The instructor uses a customized version of the regular UK course syllabus, and the enrolled high school students are expected to comply with all the same expectations as a regular UK student. The high school academic leadership determines whether the students have shown they are college-ready and are eligible for enrollment in UK’s courses. The eligible students are enrolled in the UK course by UK’s Enrollment Management staff (there is no self-registration), and the students follow the UK academic calendar to earn the college credit. The two courses that are taught by the approved instructors at UK’s partner schools are:

- WRD110, Composition and Communication I - see more about this and its companion course at the UK Writing, Rhetoric & Digital Studies department website at [https://wrd.as.uky.edu/composition-and-communication](https://wrd.as.uky.edu/composition-and-communication)

- WRD111, Composition and Communication II (only available to those students who have successfully completed WRD110)

UK’s WRD110 & 111 (students must successfully complete both courses) meets Kentucky’s Transfer Agreement for the General Education Category Certification for Communications – both Written and Oral Communications. These two UK courses fulfill the general education requirements in Kentucky colleges and universities that usually require three courses (English I & II plus a Communications course). The state’s transfer policy and information on the transferability of any Kentucky college course can be found at the Kentucky KnowHow2Transfer website: [http://knowhow2goky.org/kh2t](http://knowhow2goky.org/kh2t).

See more information about the UK Dual Credit Program at our website: [http://www.uky.edu/studentacademicsupport/dual-credit](http://www.uky.edu/studentacademicsupport/dual-credit).

For those high school students who wish to take a UK course on campus, the University of Kentucky still encourages those highly motivated students to apply for regular admission (at regular tuition and fees) through UK’s Exceptional Ability program. See more about this on the UK Admissions website at [http://www.uky.edu/admission/high-school-students-exceptional-ability](http://www.uky.edu/admission/high-school-students-exceptional-ability).