

Bourbon County High School

Course Directory

2020-2021



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Paris, Kentucky 40361
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**Principal
Shane Mitchell**

**Assistant Principal
Morgan Adkins**

**Assistant Principal
Cari Boyd**

**Dean of Students
Kirsten Conner**

**Counselor
Krista Bell**

**Counselor
Alex Hinckley**

This directory is designed to help students and their parents plan for high school and their future. It is a map to the world of work, technical education, and college. After a brief introductory section on graduation requirements, grading, and additional resources for planning, the College/Career Pathways section provides what courses fall into each of the pathways and what careers they relate to. The purpose of the College/Career Pathways is to help plan a high school course of study tailored to individual needs, interests, and future plans. Descriptions of each of the courses, and their prerequisites are also included. Please refer to these descriptions when selecting courses for next year. Students and parents with questions regarding courses, and the implications of selecting them are encouraged to consult with members of the faculty, counselors, or administrators.

***Please be aware that content in this directory is subject to change. Please contact the guidance office for the latest information!**

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Graduation Requirements

- * **25 TOTAL CREDITS NEEDED**
- * You must have a course from EVERY number 1-16
- * Your ILP MUST be completed
- * 4 original writing pieces MUST be turned in to Ms. Getz

English (4 credits)

1. English I **OR** Honors English I
2. English II **OR** Honors English II **OR** AP Literature
3. English III **OR** Honors English III **OR**
AP English Language & Composition
4. English IV, AP Literature, **OR** English 101

Math (3 credits) - Must take a math class ALL 4 years of high school

5. Algebra I
6. Algebra II **OR** Honors Algebra II
7. Geometry **OR** Honors Geometry

Science (3 credits) – 2 Pathways

8. Integrated Science I
9. Integrated Science II **OR** Chemistry
10. Biology **OR** Integrated Science III
OR
8. Integrated Science - STEM
9. Chemistry **OR** Honors Chemistry
10. Biology **OR** AP Biology

Social Studies (3 credits)

11. Int. Social Studies
12. World Civ. **OR** AP World Civ.
13. U. S. History **OR** AP U.S. History OR DC HIS 108/109

14. Health & Physical Educ. (1 credit)

15. Arts & Humanities (1 credit)

One class in drama, art, music, or floriculture

16. Practical Living/Life Skills (1/2 credit) – One of the following:

Family/Consumer Science Essentials (Formally Life Skills)
Principles of Agriscience & Tech
Financial Literacy
College & Career Readiness
Computer Tech Applications or Digital Literacy
Money Skills
Career & Tech Exploration
Math for Business & Industry

Additional Electives (9.5 credits)

Honor Graduates

Bourbon County High School recognizes high academic achievement with the following types of honor graduates.

Beta Club Graduates:

- Qualify for membership in the Beta Club
- Obtain a cumulative GPA of 3.3 or higher

National Honor Society Graduates:

- Qualify for membership in the Honor Society
- Obtain a cumulative GPA of 3.5 or higher

Spanish Honor Society Graduates:

- Qualify for membership in the Spanish Honor Society
- Obtain a cumulative 92% average for two years.

Grading Scale

Determination for awarding credit is based on a final numerical average of 64 or above:

A=90-100; B=80-89; C 70-79; D=60-69; F 59 and below

Report cards are distributed via Infinite Campus at the end of each nine-week grading period. The GPA is based on a weighted 4.0 scale, and is calculated from final grades earned throughout high school. The following point system is used.

All courses offered at Bourbon County High School are on a 4.0 point scale with the exception of AP and Dual Credit courses, which are on a 5.0 scale.

AP/Dual Credit

A = 5.0

B = 4.0

C = 3.0

D = 2.0

F = 0

All Other Courses

A = 4.0

B = 3.0

C = 2.0

D = 1.0

F = 0

College & Career Readiness for All

The mission of Bourbon County High School is to ensure that all students graduate ready for College and/or Career. There are many opportunities offered through a rigorous curriculum to ensure that all students are able to reach graduate ready for their next step.

The state of Kentucky defines College and Career Readiness as being demonstrated utilizing multiple assessments, based on a student's choosing. In following this pathway, BCHS will offer students the ability to demonstrate mastery of content on the ACT during the spring of their junior year, provide enrichment and interventions and show competency on the Compass/KYOTE during their senior year, and provide opportunities for Industry Certificates/KOSSA upon completion of their career pathway. Students who enter into a CTE pathway may also attain National Career Readiness through the Work Keys Assessment upon completion of their third credit in a career pathway.

Career Readiness standards, KOSSA and Industry Certifications offered at BCHS are all recognized throughout Kentucky and the United States, affording students the ability to rise to the top of the job market, and in many cases secure no-cost college credit. The chart on the next page shows how students become college/career ready.

**College and Career Readiness:
Ensuring students attain the necessary
knowledge, skills and dispositions to
successfully transition to the next
level of his/her education and career.**

Student Expectations for Transition Readiness – High School

High School Diploma



Earn a high school diploma by meeting/exceeding the Kentucky Minimum High School Graduation Requirements

NOTE: Essential skills and attendance are reflected in the Opportunity and Access indicator.

AND

Meet Requirements of ONE type of Readiness

Required for English Learners (only)

 Academic Readiness	 Career Readiness	English Language Readiness
<ul style="list-style-type: none"> ✓ Benchmarks, determined by Council on Postsecondary Education (CPE) on a college admissions exam; OR ✓ A grade of B or higher in each course on 6 or more hours of KDE-approved dual credit; OR ✓ A score of 3+ on exams in 2 or more Advanced Placement courses; OR ✓ A score of 5+ on 2 exams for International Baccalaureate Courses; OR ✓ Benchmarks on 2 or more Cambridge Advanced International examinations; OR ✓ Completing a combination of academic readiness indicators listed above. <p>Demonstration of academic readiness shall include one quantitative reasoning or natural sciences and one written or oral communication, or arts and humanities, or social and behavioral sciences learning outcomes.</p>	<ul style="list-style-type: none"> ✓ Benchmarks on Industry Certifications (<i>Approved by the Kentucky Workforce Innovation Board on an annual basis</i>); OR ✓ Scoring at or above the benchmark on the Career and Technical Education End-of-Program Assessment for articulated credit; OR ✓ A grade of B or higher in each course on 6 or more hours of KDE-approved Career and Technical Education dual credit; OR ✓ Completing a KDE/Labor Cabinet-approved apprenticeship; OR ✓ Completing a KDE-approved alternate process to verify exceptional work experience. 	<ul style="list-style-type: none"> ✓ Meeting criteria for English language proficiency for any student who received English Language services during high school.

Note: Students participating in the alternate assessment program and earning an alternate diploma will have criteria for transition readiness based on alternate assessment requirements and employability skills attainment.

Please contact the Office of Assessment and Accountability (OAA) if there are any questions:

(502) 564-4394

dacinfo@education.ky.gov

Planning Ahead

The choices you make starting in high school will have a lasting effect on your options after high school. Take time to plan your courses carefully. Some activities to aid in your transition that you can do every year are:

- Maintain a high GPA (KEES Money depends on it)
- Take interest inventories and aptitude tests, which can help you in planning a career choice. This can be done on your ILP (Individual Learning Plan).
- Meet with your counselor early to discuss your plans for after high school and your best route to get there.
- Adjust your schedule for any needed college requirements.
- Keep a record of school and community activities, organizations, and honors. This can be done on your ILP (Individual Learning Plan).
- Browse college and technical schools, either through guidebooks in the counseling office or on the internet
- Talk to adults in a variety of professions to determine what they like and dislike about their careers and what kind of education is needed.

Individual Learning Plan (ILP)

The Individual Learning Plan (ILP) is a fantastic resource for career & college planning. This resource is provided free to all students in middle school. Students complete sections of the ILP every year and completion of the ILP is a mandatory graduation requirement for the state of Kentucky. Parents may use the tool as well with their students to help them plan for their future. For more information on the ILP and Login information contact the counseling office.

The ILP has many features and resources that involve students on a variety of levels:

- Finding careers that match their skills and interests
- Creating education plans
- Establishing personal goals and revisiting these as they progress through school
- Creating, maintaining and changing resumes
- Tracking and reflecting on their community services experiences, work experiences, career-planning activities, and extra-curricular and organization activities
- Exploring colleges and postsecondary opportunities that match their career, postsecondary and life goals
- Connecting to the www.KHEAA.org (Kentucky Higher Education Assistance Authority) web site for help with college planning, tuition assistance information and applications
- Collecting personal information like assessment results, advising activities demographic information and educational history

Helpful Planning Resources

Name	Information	Website
Bourbon County High School	All the most up to date information on policies, course offerings and descriptions, scheduling, faculty contacts and events	http://www.bourbon.kyschools.us/1/Home
Naviance--Individual Learning Plan (ILP)/Career Interest Inventory/College Options, etc.	Includes tools for high school planning, college & career planning, personality inventories, and financial aid & scholarships information *Students are required to complete every year *Email the counselor for student/ parent login information	http://www.naviance.com
College Board	Includes tools for planning for high school, planning for and choosing colleges, searching for scholarships, paying for college and SAT & AP information	www.collegeboard.org
Occupational Outlook Handbook	Provides career information including job summaries, education needed, employment projections, and pay.	www.bls.gov/oco
Kentucky Higher Education Assistance Authority	Includes tools for high school planning by grade level, college searching and success, paying for college (including state grants and KEES money) and money management	www.KHEAA.org
FinAid	Covers EVERYTHING you need to know about paying for college	www.finaid.org
Federal Student Aid	Includes information on all types of federal aid to pay for college as well as how to fill out the FAFSA application in order to receive the aid	www.studentaid.ed.gov
Fastweb	Cover EVERYTHING about scholarships and includes a scholarship matching service as well as tips for applying and receiving as many as possible	www.fastweb.com
Scholarships.com	Includes information on scholarships, college and financial aid as well as high school planning tools.	www.scholarships.com

Kentucky Educational Excellence Scholarship (KEES)

Kentucky students may earn money for college through the KEES Program. The KEES Program rewards students for making good grades in high school. Students receive bonuses for doing well on the ACT, SAT, and Advanced Placement (AP) exams. The scholarship may be used upon graduation from high school, and no application is necessary. After students enroll at an eligible college, the Kentucky Higher Education Assistance Authority (KHEAA) will send half of their funds directly to the school.

Students may use their KEES awards at any public college or university in Kentucky, at nearly all private colleges and universities in the state, and at many of the state's trade schools. If a major isn't offered in Kentucky, students may be able to use their KEES awards at out-of-state schools that offer a particular major and belong to the Academic Common Market. Kentucky's Council on Postsecondary Education must approve these majors. (Illinois, Indiana, and Ohio schools are not eligible because those states do not participate in the Academic Common Market.) Refer to the section on the Academic Common Market to see a list of eligible colleges and majors.

Here's how KEES works: Students earn a KEES award for each year of attendance at a certified Kentucky high school if they get at least a **2.5 grade point average (GPA)**. Students also earn a bonus award for their qualifying ACT or SAT score. Free/Reduced lunch students receive extra bonuses for passing AP exams.

Students must maintain a certain GPA in college to continue receiving their KEES awards, and they must be on track to earn their degree in four or five years depending on their program of study. As college sophomores, KEES recipients must have earned at least a 2.5 cumulative GPA as freshmen in order to get their full award their sophomore year. After that, KEES recipients must have at least a 3.0 cumulative GPA to keep their full award. Students whose cumulative GPA is between 2.5 and 2.99 will receive half their award. College juniors and seniors may regain the full award if their cumulative GPA is raised to 3.0 or better.

For more information about KEES and for detailed statistics about the KEES Program, visit www.kheaa.com.

To learn how to plan and prepare for higher education, visit www.GoHigherKY.org.

NCAA Clearinghouse

If you are planning to participate in NCAA Division I or II athletics, then the NCAA Clearinghouse must certify you. You should start the certification process immediately after your junior year. The college freshman eligibility requirements for Division I and Division II include having a high school diploma and meeting the sliding scale GPA (meeting the NCAA core course definition) with the corresponding ACT sum or SAT total score. Information about the NCAA Clearinghouse is available online at www.ncaaclearinghouse.net. From the NCAA Clearinghouse website, prospective student-athletes will be able to access information needed to understand the Division I and Division II eligibility requirements, register with the clearinghouse, and access individual clearinghouse records.

***See your counselor as soon as you know you may be interested in qualifying for a division 1 or 2 college or university, so they may assist you in choosing courses that meet eligibility.**

Special Education Courses

All special education courses are designed to suit a student's individual needs; therefore no general course descriptions are listed. However, course content will be discussed at each student's annual review. Special education students are expected to complete the same course requirements as all other students to receive a high school diploma. Adaptations and modifications may be made to course content to comply with a student's individualized education plan (IEP). A student's placement and IEP will be determined by an Admissions and Release Committee (ARC).

***Contact the Director of Special Education for additional information.**

Harrison County Area Technical Center

Harrison County Area Technology Center offers many pathways for Bourbon County High School students to prepare them for careers and post-secondary education. To view the courses in each pathway click [here](#).

- *Harrison County Area Technology Center* is open to students in grades 9-12.
- Students attend *Harrison County Area Technology Center* approximately half of the school day and *BCHS* the other half, for both semesters.
- All courses are recognized for credit at *Bourbon County High School*.
- Career major pathways offered to *BCHS* students include:
 - Aerospace Science (AFROTC) – *Held at Harrison County High School*
 - Automotive Maintenance
 - Business Management
 - Carpentry Technology
 - Health Sciences – *Held at Bourbon County High School*
 - Machinist Technician
 - Maintenance Mechanic
 - Network Administration
 - Web Development
 - Welding Technology
- Each pathway at the *Harrison County Area Technology Center* has active articulation agreements **that earn credit at colleges** and technical schools upon enrollment if coursework is completed and associated KOSSA or Industry Certification is passed.
- Attendance is critical at the *Area Technology Center*. If you plan on enrolling you must attend on a daily basis, or run the risk of losing your credit for the courses you are taking.

**Contact your Bourbon County High School
Counselor for more information**

Scheduling Protocol

Students are provided with an orientation from the counselors on completing their requests in the early spring semester. Counselors will provide each student with their transcript, go over how to select the correct courses in order to graduate, discuss College & Career Pathways and how to choose them according to their goals after high school, and discuss timelines for making changes to their course requests. Students will then discuss their course selections during an assigned time with the counselors in the library. Students & parents are encouraged to read the online course catalogue and go over their transcript to ensure students request the best course options.

***There is always the possibility that a class will not be scheduled due to an insufficient number of students selecting the course.**

College/Career Pathways

The state of Kentucky has identified 16 separate Career Clusters with a number of pathways in each. To learn more about the 16 Career Clusters students may visit their ILP and click here for an overview.

Bourbon County High School in conjunction with **Harrison County Area Technology Center** offers many pathways included in the Kentucky Career Clusters. In order to assist you in planning your classes for high school **click** on the College/Career Pathway that you are interested in following and you will be directed to the appropriate page.

<p><u>Agricultural, Food & Natural Resources</u></p> <ul style="list-style-type: none"> ● Animal Science ● Horticulture and Plant Science ● Agriculture Power and Structure Tech 	<p style="text-align: center;"><u>Education & Training</u></p> <ul style="list-style-type: none"> ● Early Childhood Education 	<p style="text-align: center;"><u>Manufacturing*</u></p> <ul style="list-style-type: none"> ● Electrical Technician ● Machinist Technician
<p><u>Arts, A/V Technology & Communication</u></p> <ul style="list-style-type: none"> ● Journalism and Broadcasting 	<p style="text-align: center;"><u>Health Sciences</u></p> <ul style="list-style-type: none"> ● Pre-Nursing ● Allied Health 	<p style="text-align: center;"><u>Media Arts</u></p> <ul style="list-style-type: none"> ● Media Arts
<p><u>Architecture & Construction*</u></p> <ul style="list-style-type: none"> ● Carpentry Technology ● Welding Technology 	<p style="text-align: center;"><u>Hospitality & Tourism</u></p> <ul style="list-style-type: none"> ● Culinary & Food Services 	<p style="text-align: center;"><u>Science & Mathematics</u></p> <ul style="list-style-type: none"> ● Engineering
<p style="text-align: center;"><u>Business Management & Administration*</u></p> <ul style="list-style-type: none"> ● Business Administration 	<p style="text-align: center;"><u>Information Technology *</u></p> <ul style="list-style-type: none"> ● Web Development ● Network Administration 	<p style="text-align: center;"><u>Transportation, Distribution & Logistics*</u></p> <ul style="list-style-type: none"> ● Automotive Maintenance ● Maintenance Mechanic
<p><u>Government & Public Administration*</u></p> <ul style="list-style-type: none"> ● Aerospace Science (AFROTC) 		<p style="text-align: center;">*Offered at Harrison County Area Technology Center</p>

Agriculture Power, Structure, and Technical Systems

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Introductory Courses</u></p> <ul style="list-style-type: none"> ● Principles of Agricultural Science (510) ● Agriscience - 1 Credit (520) <p><u>Pathway Electives - Choose Two</u></p> <ul style="list-style-type: none"> ● Agricultural Construction/Welding (531) ● Agriculture Power & Machinery (530) ● Women in Agriculture (560) ● Agriculture Structures and Designs/Wood (532) <p><u>Business Opportunities - May Choose 1</u></p> <ul style="list-style-type: none"> ● Ag Employability Skills (545) ● Agricultural Business Co-op - 2 credits (540) 	<ul style="list-style-type: none"> ● Agricultural Engineer ● Welder ● Mechanical Engineer ● Diesel Technician ● Electrical Engineer ● Heavy Equipment Technician ● Farm Equipment Technician ● Small Engine Mechanic

The Power, Structural, and Technical Systems pathway is built on the application of concepts in engineering, hydraulics, pneumatics, electronics, power, structures, and controls to the field of agriculture. Students design agricultural structures as well as machinery and equipment, while utilizing safe practices of operation and maintenance.

Animal Science

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Introductory Courses</u></p> <ul style="list-style-type: none"> ● Principles of Agricultural Science (510) ● Agriscience (520) <p><u>Pathway Specific Required Courses</u></p> <ul style="list-style-type: none"> ● Animal Science ● Veterinary Science <p><u>Business Opportunities - May Choose 1</u></p> <ul style="list-style-type: none"> ● Ag Employability Skills (545) ● Agricultural Business Co-op - 2 credits (540) 	<ul style="list-style-type: none"> ● Animal Scientist ● Marine Biologist ● Zoologist/Zookeeper ● Horse Trainer ● Animal Breeder ● Farmer ● Veterinarian/Veterinary Technician

This pathway focuses on the scientific principles that underlie the breeding, care, and management of agricultural animals, and the production, processing and distribution of agricultural animal products. This includes developing better, more efficient ways of producing and processing meat, poultry, eggs and dairy products, as well as studying genetics, nutrition, reproduction, growth and development of animals.

Horticulture and Plant Science Systems

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Introductory Courses</u></p> <ul style="list-style-type: none"> ● Principles of Agricultural Science (510) ● Agriscience (520) <p><u>Pathway Specific Required Courses</u></p> <ul style="list-style-type: none"> ● Floriculture (534) - <i>Counts as Humanities credit!</i> ● Greenhouse Technology (537) <p><u>Business Opportunities - May Choose 1</u></p> <ul style="list-style-type: none"> ● Ag Employability Skills (545) ● Agricultural Business Co-op - 2 credits (540) 	<ul style="list-style-type: none"> ● Horticulturist ● Agronomist ● Landscaper ● Farmer ● Scientist ● Landscape Architect ● Nursery/Greenhouse ● Grower ● Botanist

This pathway focuses on the scientific principles that underlie the breeding, cultivation, and production of agricultural plants, and the production, processing and distribution of agricultural plant products. Includes instruction in the plant sciences, crop cultivation and production, and agricultural and food products processing.

Carpentry Technology

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Intro to Construction/Lab ● Floor and Wall Framing/Lab ● Ceiling and Roof Framing/Lab ● Construction Blueprints/Industrial Safety ● Site Layout and Foundations ● Introduction to Engineering Design ● Civil Engineering & Architecture 	<ul style="list-style-type: none"> ● Construction Laborer ● Bricklayer ● Union Carpenter ● Stone Mason ● Carpenter ● Road Construction ● Project Management

This pathway prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Courses include instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Welding Technology

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Shielded Metal Arc Welding & Lab (SMAW) ● SMAW Groove Welds & Lab ● Gas Metal Arc Welding (GMAW) ● GMAW Groove Lab 	<ul style="list-style-type: none"> ● Welder Helper ● Production Welder (With DOT Cert.) ● Entry Level Welder (With DOT Cert.) ● Boilermaker ● Pipefitter ● Engineer

The entry-level welder pathway teaches students to demonstrate the ability to assist lead welders in the fabrication of steel and metal structures. Students must be adept at performing basic welding functions and calculating dimensions as well as operating power equipment, grinders and other related tools. Students MUST be proficient in reading and interpreting basic blueprints and following work procedure specifications (WPS).

Business Management

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Computer Applications ● Business Management ● Accounting I ● Business Law ● Business Principles 	<ul style="list-style-type: none"> ● Entry Level Manager ● Bookkeeper ● Account Manager ● Venture Capitalist ● Bank Manager ● Entry-Level Manager ● Real Estate Agent ● Insurance Agent

This pathway prepares students to plan, organize, direct, and control the functions and processes of a firm or organization. Courses include instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.

Early Childhood Education

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Courses</u></p> <ul style="list-style-type: none"> ● Early Lifespan Development (1020) ● Child Development Services I (1030) ● Child Development Services II (1031) <p><u>Pathway Electives - Choose One</u></p> <ul style="list-style-type: none"> ● Relationships & Parenting (1050/1026) ● Family and Consumer Science Essentials (1025) <p><u>Business Opportunities</u></p> <ul style="list-style-type: none"> ● Early Childhood Education Co-op 	<ul style="list-style-type: none"> ● Early Childhood Educator ● Child Care Center Worker/Director ● Nanny ● Pediatrician ● Elementary School Teacher ● School Counselor ● Teacher Assistant ● Social Worker ● Preschool Teacher ● Child Psychologist

The Early Childhood Education pathway will address a skill set necessary for success in early childhood education so that individuals can teach students ranging in age from infancy through eight years (grade three), depending on the school system or state regulations. This pathway is targeted for students preparing for careers related to early childhood education, such as those associated with child care, teaching, community-based children’s programs, social services or counseling for children and after-school programs.

Airforce Junior Reserve Officers Training Corps (AFJROTC)

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses - Two per Year</u></p> <ul style="list-style-type: none"> ● AFJROTC I (870) ● AFJROTC II (875) ● AFJROTC III (880) ● AFJROTC IV (885) <p><u>Annual Courses</u></p> <ul style="list-style-type: none"> ● AFJROTC - PT (890) 	<p>This pathway includes instruction and a supportive, community-based culture which develops leadership skills, work-ethic, respect, professionalism, and life skills necessary for any profession.</p> <p><i>NOTE: Students DO NOT incur any military service commitment as a result of taking AFJROTC courses.</i></p> <p>For more information on the benefits of AFROTC, please visit the BCHS website.</p>

The Air Force Junior ROTC pathway is designed to build citizens of character. All AFJROTC courses are blends of material from an Aerospace Science component, a Leadership Education component, and a Wellness component. To enhance classroom learning, students participate in extracurricular and social activities such as field trips, color guard teams, honor guards, model rocketry, Raiders Team (extreme physical fitness training/competition), anti-drug/alcohol Awareness Presentation Teams, military ball, and award banquet.

Health Sciences

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Bourbon County High School--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Principles of Health Science ● Medical Terminology/Emergency Procedures ● Body Structures & Functions ● Medicaid Nurse Aide ● Advanced Health Care Skills ● Medical Math 	<ul style="list-style-type: none"> ● Nurse (RN/BSN) ● Certified Nursing Assistant ● Nurse Practitioner ● Medical Lab Tech ● Paramedic/EMT ● Pharmacy Technician ● Phlebotomist ● Physical Therapy Assistant ● Radiologic Technician ● Surgical Technician ● Massage Therapist ● Diagnostic Medical Sonographer

This pathway is an introduction to health services occupations that prepares students for either entry into specialized training programs or for a variety of concentrations in the allied health area. Courses include instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations.

Culinary & Food Services

Graduation Requirements	Pathway Requirements	Related Careers
<p>English</p> <ul style="list-style-type: none"> English I (110) or Honors English I (115) English II (120) or Honors English II (125) English III (130) or AP English Language (135) English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p>Math</p> <ul style="list-style-type: none"> Algebra I (210) Geometry (230) or Honors Geometry (235) Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) Advanced Math Topics (TBD) or math elective <p>Science</p> <ul style="list-style-type: none"> Integrated Science (310) or Integrated Science STEM (314) Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p>Social Studies</p> <ul style="list-style-type: none"> Integrated Social Studies (410) World Civilization (440) or AP World History (456) U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p>Humanities</p> <ul style="list-style-type: none"> Art, music, or theater elective <p>Health and Physical Education</p> <ul style="list-style-type: none"> Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p>Required Courses</p> <ul style="list-style-type: none"> Family and Consumer Science Essentials (1025) Foods & Nutrition (1033) Culinary Arts I (1040) Culinary Arts II (1042) <p>Pathway Elective</p> <ul style="list-style-type: none"> Advanced Food & Nutrition (1034) <p>Business Opportunities</p> <ul style="list-style-type: none"> Culinary Co-op 	<ul style="list-style-type: none"> Chef/Cook Baker Entrepreneur Food Inspector Burcher Pastry Chef Bed and Breakfast Owner Caterer Restaurant/Hotel Manager Dietitian

The Culinary & Food Services Pathway addresses a skill set necessary for success in the culinary industry. The courses in this pathway will help students develop skills in early career ladder positions and promote continuing education at the post-secondary level preparing for careers associated with restaurants, institutional food service, hospitality and catering, as well as food and beverage operations.

Pathway Title

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Computer Literacy ● Web Page Development ● Web Site Design and Development ● Graphic Design 	<ul style="list-style-type: none"> ● Web Designer ● Graphic Designer ● Web Production ● Project Management ● Webmaster ● Web Administration ● Web Developer ● Content Developer

This pathway involves creating, designing and producing interactive digital products and services. This will include development of digitally-generated or computer-enhanced media, and the adherence to web standards, as used in business, training, communications and marketing. This pathway will prepare students to enter the workforce ready to participate as leaders in a broad range of careers and further their education.

Network Administration

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Computer Literacy ● Computer Hardware & Software Maintenance ● Intro to Networking Concepts ● Network Hardware Installation 	<ul style="list-style-type: none"> ● Network Administrator ● Computer Tech Support ● Database Administrator ● Health Informatics ● Telecommunications ● Software Engineer ● Network Security Specialist ● System Analyst

The networking pathway courses will help students learn new administration support skills or upgrade existing computer information systems skills. Students will be able to properly install networking software on an appropriately sized computer, configure the software for a simple server environment and connect it correctly to a physical network, manage a simple networking environment, effectively troubleshooting common problems, adding new users and attending to security concerns, work within the ethical and professional parameters in the field of network administration.

Machinist Technician

Graduation Requirements	Pathway Requirements	Related Careers
<p>English</p> <ul style="list-style-type: none"> English I (110) or Honors English I (115) English II (120) or Honors English II (125) English III (130) or AP English Language (135) English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p>Math</p> <ul style="list-style-type: none"> Algebra I (210) Geometry (230) or Honors Geometry (235) Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) Advanced Math Topics (TBD) or math elective <p>Science</p> <ul style="list-style-type: none"> Integrated Science (310) or Integrated Science STEM (314) Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p>Social Studies</p> <ul style="list-style-type: none"> Integrated Social Studies (410) World Civilization (440) or AP World History (456) U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p>Humanities</p> <ul style="list-style-type: none"> Art, music, or theater elective <p>Health and Physical Education</p> <ul style="list-style-type: none"> Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p>Pathway Courses</p> <ul style="list-style-type: none"> Blueprint Reading for Machinist Fundamentals of Machining A Fundamentals of Machining B Applied Machining I 	<ul style="list-style-type: none"> Machine Operator Maintenance Machinist CNC Machine Operator CNC Programmer Mechanical/Industrial Engineer Engineer Technician Quality Control Manager

This pathway prepares students to set up and operate a variety of machine tools, such as lathes, milling machines, and grinders to produce precision metal parts, instruments, and tools. These tools are either manually controlled or computer-numerically controlled (CNC). Machinist Technicians must be able to read blueprints, align and adjust cutting tools and inspect the finished product to meet customer specifications.

Electrical Technician

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Basic Troubleshooting ● Basic Blueprint Reading ● Industrial Maintenance Electrical Motor Controls ● Industrial Maintenance of PLC ● Industrial Maintenance Electrical Principles 	<ul style="list-style-type: none"> ● Electrical Technician ● Electrical Supervisor ● Industrial Maintenance ● CAD ● Welding ● Electrical Engineer

Students in this pathway will apply electrical theory and related knowledge to diagnose and modify developmental or operational electrical machinery and electrical control equipment and circuitry in industrial or commercial plants and laboratories: Assembles and tests experimental motor-control devices, switch panels, transformers, generator windings, solenoids, and other electrical equipment and components according to engineering data and knowledge of electrical principles.

Marketing

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Pathway Courses</u></p> <ul style="list-style-type: none"> ● Marketing I (750) ● Marketing II (752) ● TV/Studio Production (1928) ● Leadership Dynamics/Business (795) 	<ul style="list-style-type: none"> ● Marketing Specialist ● Fashion Retailer ● Fashion Designer ● Sales Representative ● Retail Salesperson ● Stock Clerk ● Sports Marketer ● Sports Recruiter ● Association Manager ● Market Research Analyst
<p>This pathway prepares students to undertake and manage the process of developing consumer audiences and moving products from producers to consumers. Includes instruction in buyer behavior and dynamics, principles of marketing research, demand analysis, cost-volume and profit relationships, pricing theory, marketing campaigns and strategic planning, market segments, advertising methods, sales operations and management, consumer relations, retailing, and applications to specific products and markets.</p>		

Automotive Maintenance and Light Repair

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p style="text-align: center;"><i>--Offered at Harrison County Technical Center--</i></p> <p><u>Pathway Courses</u></p> <ul style="list-style-type: none"> ● Automotive Maintenance & Light Repair A ● Automotive Maintenance & Light Repair B ● Automotive Maintenance & Light Repair C ● Automotive Maintenance & Light Repair D ● Introduction to Engineering Design 	<ul style="list-style-type: none"> ● Entry-Level Technician ● Brake Technician ● Front End Technician ● Service Adviser/Writer ● Service Manager ● Dispatcher ● Auto Shop Foreman ● Automotive Engineer

This pathway prepares students to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Courses include instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drivetrains, and heating and air conditioning systems.

Maintenance Mechanic

Graduation Requirements

English

- English I (110) or Honors English I (115)
- English II (120) or Honors English II (125)
- English III (130) or AP English Language (135)
- English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150)

Math

- Algebra I (210)
- Geometry (230) or Honors Geometry (235)
- Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242)
- Advanced Math Topics (TBD) or math elective

Science

- Integrated Science (310) or Integrated Science STEM (314)
- Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390)
- Integrated Science III (TBD) or Biology (320) or Honors Biology (395)

Social Studies

- Integrated Social Studies (410)
- World Civilization (440) or AP World History (456)
- U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD)

Humanities

- Art, music, or theater elective

Health and Physical Education

- Health and Physical Education (1610)

Pathway Requirements

Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.

Pathway Courses

- Basic Troubleshooting
- Basic Blueprint Reading
- Fluid Power
- Maintaining Industrial Equipment
- Industrial Maintenance Electrical Principles

Related Careers

- Maintenance Mechanic
- Maintenance Inspector
- Maintenance Supervisor
- Industrial Engineer Tech
- Mechanical Engineer

This pathway prepares students to perform machine setup, troubleshooting, repairs and preventive maintenance service; including but not limited to, mechanical electrical, pneumatic and hydraulic systems for industrial production and processing machinery and equipment. Reads and interprets equipment manuals and work orders to perform required maintenance and service. Analyses and inspects equipment, structures, or materials to identify the cause of errors or other problems or defects.

Early Graduation

Graduation Requirements	Pathway Requirements	More Information
<p><u>English</u></p> <ul style="list-style-type: none"> English I (110) or Honors English I (115) English II (120) or Honors English II (125) English III (130) or AP English Language (135) English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> Algebra I (210) Geometry (230) or Honors Geometry (235) Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> Integrated Science (310) or Integrated Science STEM (314) Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> Integrated Social Studies (410) World Civilization (440) or AP World History (456) U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> Health and Physical Education (1610) 	<p>The Early Graduation regulation is a result of Senate Bill 61 (2013) and is a companion to Senate Bill 97 (2013). To summarize the regulation, Early Graduation will be possible for students who intend to progress through high school on an accelerated timeline and graduate college ready in three years or less of high school or age 18 by passing multiple rigorous standardized assessments.</p> <p>Early Graduation is a deliberate pathway for students that wish to move on when ready, receive a diploma from the district and be eligible for acceptance into Kentucky public universities and non-profit independent colleges and universities. The regulation provides a financial scholarship, known as the Early Graduation Certificate, to support this action.</p> <p><i>*If you are concerned with your son or daughter having "senior" status, being valedictorian or participating in any of the Governor's programs the summer of their junior year - <u>do not have your student do Early Graduation.</u></i></p> <p>Make an appointment with your high school counselor as soon as possible if you feel this is something you would be interested in!</p>	<p>For detailed information, please visit:</p> <p>https://education.ky.gov/educational/A/earlygrad/Pages/default.aspx</p>

Consumer and Family Management

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> English I (110) or Honors English I (115) English II (120) or Honors English II (125) English III (130) or AP English Language (135) English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> Algebra I (210) Geometry (230) or Honors Geometry (235) Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> Integrated Science (310) or Integrated Science STEM (314) Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> Integrated Social Studies (410) World Civilization (440) or AP World History (456) U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Pathway Courses</u></p> <ul style="list-style-type: none"> Family and Consumer Science Essentials (1025) Money Skills (1038) Relationships (1050) <p><u>Pathway Electives - Choose 1</u></p> <ul style="list-style-type: none"> Foods and Nutrition (1033) Parenting (1026) <p><u>Business Opportunities</u></p> <ul style="list-style-type: none"> Family and Consumer Services Co-op 	<ul style="list-style-type: none"> ●

Graphic Design

Graduation Requirements	Pathway Requirements	Related Careers
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to an Industry Certification and assist students in meeting Transition Readiness.</p> <p><u>Required Introductory Courses</u></p> <ul style="list-style-type: none"> ● Introduction to Media Arts <p><u>Pathway Electives - Choose 3</u></p> <ul style="list-style-type: none"> ● Two-Dimensional Media Design ● Digital Imaging ● Advanced Production Design ● Media Arts Co-op 	<ul style="list-style-type: none"> ●

Advanced Placement & Dual Credit Courses

AP & Dual Credit Courses are on a 5.0 scale, which allows you to earn more KEES money and increase your GPA.

Advanced Placement (AP) Courses

- * AP courses offer college-level curricula and examinations to motivated and academically prepared high school students.
- * Colleges and universities often grant placement and course credit to students who obtain high scores on the AP examinations.
- * All AP exams are offered in May for a fee of approximately \$100 for each subject.
- * Students may take AP courses without taking the exams, but college credit will not be given.
- * If you decide to request an AP course(s) it is important that you have a good understanding of the workload that is required.
- * Please talk to the teacher who teaches the course(s) if you are concerned about your preparedness for the course(s).
- * AP course requirements will be discussed at the *Scheduling Information Sessions*.
- * Courses Offered:
 - o **10th - AP World Civilizations** (*in place of World Civ*), **AP Biology & Lab** (*in place of general biology*)
 - o **11th - AP English Language/Composition** (*in place of English III*) & **AP U.S. History** (*in place of general U.S. History*), **AP Statistics**
 - o **12th - AP Statistics, AP Calculus, AP Spanish Language & Culture, AP English Literature** (*in place of English IV*), **AP Chemistry & Lab**
 - o **Any Grade - AP Studio Art - Two Dimensional**

Dual Credit (DC) Courses

- * Dual Credit courses are **college courses** offered to *BCHS* students from various Kentucky colleges & universities.
- * They are open to students in 11th and 12th grade & are offered at **REDUCED** rates!
- * Students must meet ACT benchmarks to take DC courses.
- * DC courses offered on the *BCHS Campus* include: College Algebra, German 2, 3 & 4, English 101/111 & English 102/112.
- * Students may also take a variety of DC courses online during the school day on the *BCHS Campus*.
- * Successful completion of these courses grants high school & college credit.
- * DC courses go on the student's *BCHS* transcript **& their permanent college transcript**.
- * If you are interested in taking Dual Credit courses please attend a *Scheduling Information Session*.

***You will NOT be able to drop AP or Dual Credit courses, so it is in your best interest to speak to the teacher(s) and counselor!**

Advanced Placement Courses

Graduation Requirements	AP Courses	Dual-Credit Courses
<p><u>English</u></p> <ul style="list-style-type: none"> ● English I (110) or Honors English I (115) ● English II (120) or Honors English II (125) ● English III (130) or AP English Language (135) ● English IV (140) or AP English Literature (145) or Dual-Credit English 101 & 102 (150) <p><u>Math</u></p> <ul style="list-style-type: none"> ● Algebra I (210) ● Geometry (230) or Honors Geometry (235) ● Math Concepts (TBD) or Algebra II (240) or Honors Algebra II (242) ● Advanced Math Topics (TBD) or math elective <p><u>Science</u></p> <ul style="list-style-type: none"> ● Integrated Science (310) or Integrated Science STEM (314) ● Integrated Science II (342) or Chemistry (330) or Honors Chemistry (390) ● Integrated Science III (TBD) or Biology (320) or Honors Biology (395) <p><u>Social Studies</u></p> <ul style="list-style-type: none"> ● Integrated Social Studies (410) ● World Civilization (440) or AP World History (456) ● U.S. History (425) or AP U.S. History (450) or Dual-Credit History (TBD) <p><u>Humanities</u></p> <ul style="list-style-type: none"> ● Art, music, or theater elective <p><u>Health and Physical Education</u></p> <ul style="list-style-type: none"> ● Health and Physical Education (1610) 	<p>Courses taken in this pathway could lead to a student meeting academic benchmarks, academic requirements, and assist students in meeting Transition Readiness.</p> <p><u>AP Courses</u></p> <ul style="list-style-type: none"> ● AP English Language/Composition (135) ● AP English Literature (145) ● AP Statistics (254) ● AP Calculus (255) ● AP Biology & Lab (350 & 351) ● AP U.S. History (450) ● AP World History (455) ● AP Studio Art (675) ● AP Computer Science (285) 	<p>Courses taken in this pathway could lead to a student meeting academic benchmarks, academic requirements, and assist students in meeting Transition Readiness.</p> <p><u>Dual Credit Courses</u></p> <ul style="list-style-type: none"> ● English 101/102 - MCTC ● College Algebra - MCTC ● German II - WKU ● German III - WKU ● German IV - WKU ● Vet Science - Murray State ● Medical Terminology - MCTC ● Medical Nursing Aide - MCTC <p>NOTE: In order to be eligible for dual-credit, students must meet academic benchmarks. Each class has their own unique benchmark; be sure to check with your counselor if you are interested in taking a dual-credit course.</p> <p>There exist multiple options for online dual-credit courses. For more information, please make an appointment with one of the counselors!</p>

Advanced Placement classes prepare students to take the College Board AP exams. Students who pass the AP Exam with a score of 3 or higher may earn college credit for that content, if approved by college.

BCHS offers Dual-Credit classes taught by teachers in our building. Successful completion of these classes grants college credit, but each class should be checked with the college of the student's choice to see how the credit(s) transfer.

Agriculture Course Offerings

Agricultural Business Co-op

Open to 12
2 Credits

Agricultural Education Co-op provides a program for students who, in written cooperation between the student, school, and employers, receive vocational instruction and experience through a job in a related agricultural occupational field. Allows a student to develop skills necessary to become successful in the workforce. Students must have previously earned 3 agriculture credits or have instructor approval. Ninety four percent (94%) attendance required during junior year to enroll in Agricultural Education Co-op.

Principles of Agricultural Science and Technology

Open to 9
1 Credit

*****Satisfies the Practical Living/Life Skills Graduation Requirement***

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. Leadership development will be provided through FFA. Students will receive personal guidance and counseling with preparatory instructional program selection.

Ag. Employability Skills

Open to 11-12
1 Credit

Prerequisite: Students in this class must hold a leadership role in a BCHS student organization and have instructor approval

Agricultural employability skills provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interviews, attitude at work, communicating effectively, human relations and accepting responsibilities. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Agriculture Course Offerings

Ag. Construction Skills/ Welding

Open to 11-12

1 Credit

Fee: \$20.00

This course prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, welding, metal fabrication, plumbing, and masonry. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Agriculture Structures and Designs/Wood

Open to 11-12

1 Credit

Fee: \$15.00

This course prepares students to evaluate, design and construct agricultural structures. Students learn to design, evaluate and interpret construction plans and calculate a bill of materials. The skills learned in the Agricultural Construction Skills may be incorporated to construct an agricultural structure. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

Agriscience II

Open to 10

1 Credit

Agriscience II introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program and keep appropriate records.

Greenhouse Technology

Open to 10-12

Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. Content may be enhanced with appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Large Animal Technology

Open to 10-12

Animal technology instruction concentrates on the advanced production practices and current biotechnological applications of one or more species of farm animals, based on the local community needs. Laboratory experiences will be used to emphasize concepts. Utilizing current industry accepted technology may enhance content. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Small Animal Science & Technology

Open to 10-12

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection and care of small animals such as dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and furbearers. Content will be enhanced with appropriate applied scientific laboratory activities and computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Small Power Equipment

Open to 11-12

½ or 1 Credit depending on schedule needs

This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engine and electric motors. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Veterinary Science

Open to 11-12

½ or 1 Credit depending on schedule needs

Prerequisite: Large Animal Tech., Small Animal Tech., Equine Science, or Instructor Approval

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. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

Women In Agriculture/Agricultural Power and Machinery Operation

Open to 11-12

½ or 1 Credit depending on schedule needs

Fee: \$20.00

This course provides instruction and hands-on experience in basic principles of agricultural machinery assembly, operation, maintenance, service, repair and safety. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Art Course Offerings

Creative Art

Open to 9-12

1 credit

Fee: \$30

**** Satisfies the Arts & Humanities Graduation Requirement**

Creative Art explores various art disciplines such as drawing, painting, sculpting, and mixed media. Art history will be incorporated to enrich the students' knowledge of art. Artistic awareness will be strengthened through the utilization of the elements and principles of art while discovering interpretations of style and culture. Career opportunities in visual art are also explored.

Two Dimensional Art - Advanced Drawing and Painting

Open to 10-12

1 credit

Prerequisite: Creative Art

Fee: \$30

Advanced drawing and painting covers the same topics as Creative Art with a focus only on drawing and painting. Students produce two dimensional art using a variety of media (ink, pencil, chalk, charcoal, watercolor, tempera, oils, acrylics, etc.) Although, the focus of this course is on the production of art, the study of structures, purposes, humanities, processes, and criticism are included.

Three Dimensional Art - Advanced Pottery and Sculpture

Open to 10-12

1 credit

Prerequisite: Creative Art

Fee: \$35

Three Dimensional Art covers the same topics as Creative Art with a focus only on creating three dimensional works. Students produce three dimensional art using a variety of media (clay, ceramics, woods, metals, textiles etc.) Although, the focus of this course is on the production of art, the study of structures, purposes, humanities, processes, and criticism are included.

Art Course Offerings

AP Studio Art- Two Dimension Design Portfolio (Photography or Painting, Drawing, and Mixed Media)

Open to 10-12

1 credit

Recommended Prerequisite: An A/B average in Creative Art and teacher approval

Fee: \$30

The AP Studio Art Portfolio course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in the concept, composition, and execution of their ideas. AP Studio Art is not based on a written exam; instead, students submit portfolios or evaluation at the end of the school year. Students will choose to either submit a portfolio consisting of only photography or a portfolio of drawings, paintings, and mixed media. In building the portfolio students experience a variety of concepts, techniques, and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem solving, and ideation. Students also develop a body of work for the concentration section of the portfolio that investigates an idea of personal interest to them. A portfolio must be submitted to the College Board to be considered for college credit.

Drama/Speech Course Offerings

Drama I

Open to 9-12

1 Credit

Fee: \$10

**** Satisfies the Arts & Humanities Graduation Requirement**

Drama I includes an overview of the history of the theater and literature of the theater. Students are introduced to the fundamentals of theater production, which include scenery construction, costuming, lighting and make-up. Students are introduced to the fundamentals of acting. Opportunities for beginning experiences in acting and other aspects of theater activities are included.

Drama II

Open to 10-12

1 Credit

Prerequisite: Drama I

Fee: \$10

Drama II includes instruction in reading and interpretation of dramatic literature. Other instructional areas include techniques and mechanics of acting; set, costume, and lighting design, as well as other features of stagecraft, character analysis portrayal, interpretive and analytical study of plays and production of plays and other dramatic presentations.

English Course Offerings

English I

Grade 9

1 Credit

English I covers standard grammar, parts of speech and sentence parts, basic work in punctuation and capitalization, spelling and vocabulary. The course includes units in poetry, drama, novel, short story, nonfiction and library science. Students compete outside readings and report in writing or orally and continue to organize compositions. The work is broad and general. It is the foundation for all further high school English courses and should be the course taken by most ninth graders.

Honors English I

Grade 9

1 Credit

Honors English I includes the study of the novel, short story, drama, poetry, non-fiction, autobiography and biography, and a brief review of grammar, followed by more intensive study of clauses, verbal's and sentence combining. Students write compositions based on personal experience, literature and researched material. They learn the principles of data gathering, source citation and organization while writing a research paper on a controversial subject. Vocabulary and spelling are an on-going part of the instruction. Students accepting the challenge of advanced placement preparatory classes must be ready to work harder and faster than their classmates in regular English classes.

English II

Grade 10

1 Credit

English II includes additional instruction in basic grammar, sentence structure, and writing mechanics. Open response and on-demand writings will include editorials, reviews, and brochures for portfolio inclusion. Establishment and development of a thesis presented with appropriate audience, voice, and organization will be a continuation of English I. Literature will consist of novels, short stories, dramas, and poetry. Vocabulary relevant to the literature will be stressed. Students will be required to demonstrate a grasp of basic research skills.

Honors English II

Grade 10

1 Credit

Honors English II includes all genres of literature. Students begin preparation for the English IV AP exam that is taken at the end of the senior year. Course follows College Board requirements.

English Course Offerings

English III

Grade 11

1 Credit

English III focuses on reading and writing for college with heavy concentration on grammar and usage skills. Includes a survey of American Literature through a study of novel, short story, drama, and poetry. Students will read two novels as an in-class reading, and at least one work of drama; refine writing skills through the development of expository and descriptive essays; develop a variety of writing pieces; work on grammatical problems such as punctuation, agreement, sentence fragments and run-ons, and pronoun usage; and improve critical thinking skills by reading, analyzing, planning, and answering questions that encourage high level thinking skills. Working to develop a writing portfolio is required.

AP English Language and Composition

Grade 11

1 credit

Recommended Prerequisite: A final grade of “A” or “B” in English II or Honors English II or teacher recommendation.

This course is designed to engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course is taught at the college level and allows students to write in a variety of forms—narrative, exploratory, expository, and argumentative—and on a variety of subjects from personal experiences to public policies. The course fulfills the junior English requirement and is designed to build grammatical correctness and enhance writing portfolio development. Students who take this course will be expected to take the English Language and Composition AP exam in May and earn up to 6 hours of college credit. Successful completion of this course will enable students to enroll in AP English Literature and Composition as seniors.

English IV

Grade 12

1 Credit

This course focuses on reading and writing for college with heavy concentration on grammar and usage skills; will read primarily British literature. Study will focus on the relationships among form, subject and point of view. Students will relate the changing philosophies reflected in literature to historical perspective from which the works come. Students will work on specific grammar problems and vocabulary development. An independent research project will be completed. Students will develop a variety of writing pieces. Completion of writing portfolio is required.

English Course Offerings

English IV AP Literature and Composition

Grade 12

1 Credit

Recommended Prerequisite: A final grade of “A” or “B” in English III or AP English III or teacher recommendation.

This course utilizes approaches to literary criticism as outlined in The Handbook of Critical Approaches to Literature. Analysis of literature will be intense and will be geared to prepare students for the AP exam. Students will write a research paper based on a single major literary work, its author, its critics and its position in the spectrum of world literature. Writing will include personal narrative, short story, literary analysis and expository essay. Students enrolled in this course work at the sophomore college level. The course requires a major investment of time. Students who take this course will be expected to take the AP English Literature Exam in May and may earn college credit.

English 101 *DUAL CREDIT

Open to 12

1 Credit for high school/3 college credits

Prerequisites: English ACT score of 18 or higher, or qualifying score on the COMPASS placement exam

Fee: \$50 to \$250 depending on instructor and college

This college level course focuses on academic writing. Provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources. Includes a review of grammar, mechanics, and usage.

English 102 *DUAL CREDIT

Open to 12

1 Credit for high school/3 college credits

Prerequisite: English 101

Fee: \$50 to \$250 depending on instructor and college

This college level course emphasizes argumentative writing. Provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources.

English Course Offerings

Mythology/Folklore

Open to 11-12
½ Credit

Includes an introduction to the study of mythology, myths, their origins, mechanics, and interpretations will be discussed. Included will be Greek, Norse, Celtic, Asian, and Native American myths. Also involves an examination of the role of folklore in modern life and its power to communicate critical issues through expressive culture such as jokes, legends, music, graphic arts, and festival. There will be two major projects: One for mythology and another for folklore. Use of technology and research skills will be applied extensively.

Science Fiction & Fantasy

Open to grades 11-12
½ Credit

In this class, students will read and analyze a variety of classical and contemporary science fiction and fantasy texts by authors such as Ray Bradbury, Isaac Asimov, Arthur C. Clark, Kurt Vonnegut, Stephen King, J. R. R. Tolkien, and Suzanne Collins. Students enrolled in this course will be expected to read outside of class for at least 1 to 2 hours per week.

Family & Consumer Sciences Course Offering

Early Lifespan Development (Formerly Child & Human Development)

Open to 10-12

1 Credit

Fee: \$5.00 for materials

This course addresses the concepts related to understanding the areas and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in the prenatal, infancy, toddler, preschool and school-age stages. Careers in child/human development are explored. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA) student organization.

Child Development Service I

Open to 11-12

1 Credit

Prerequisite: Early Lifespan Development and/or Teacher Signature

Fee: \$10.00 for First Aid and CPR Training; \$5.00 for materials.

This course provides training for entry-level child care workers for day care centers, nurseries, kindergartens and private homes. Students learn the principles of child development; the needs and care of young children; and how to plan, organize and guide activities for infants, toddlers, and preschool children. They also learn how to implement positive guidance techniques. Orientation and subject matter information is reinforced with simulated experiences and **non-paid** on-the-job training. The course is a good elective for those who may be interested in pursuing education in early childhood or kindergarten education. All students participating in this class must be able to provide own transportation to and from work experience.

Child Development Services II

Open to 12

1 Credit

Prerequisite: Early Childhood Education and Child Development Services I

Fee: \$5.00 for materials

Child Development Services II is a continuation of Child Development Services I and designed for students who wish to train for supervisory level positions or to further their education at the post-secondary level in the area of childcare and development. Students gain in-depth work experiences in child care establishments. Leadership development will be provided through the Family, Career and Community Leaders of America.

Family & Consumer Sciences Course Offering

Relationships /Parenting

Open to 9-12

1 Credit

The relationship part of the course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly and exploring career opportunities in care giving. Leadership development will be provided through the Family, Career and Community Leaders of America.

The parenting aspect of the course assists students to develop self-understanding, better understand others, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain 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. Leadership development will be provided through the Family, Career and Community Leaders of America.

Foods & Nutrition

Open to 10

1 Credit

Fee: \$25.00

This course provides students with the opportunity to follow recipes, measure, and learn safety and sanitation. This course will focus on nutrition and food preparation skills. Students will get hands on experience in food preparation. It will also allow studies of regional and foreign foods.

Culinary Arts I

Open to 10-12

Prerequisite: Foods & Nutrition

Fee: \$35.00

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts.

Family & Consumer Sciences Course Offering

Culinary Arts II

Open to 10-12

1 Credit

Prerequisite: Culinary Arts I

Fee: \$35.00

In this course, students resume progress in pursuing competencies in food production and services. Orientation to the food service industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work based learning opportunities.

Advanced Foods & Nutrition

Open to 12

1 Credit

Prerequisite: Culinary Arts II

Fee: \$35.00

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 nutrition (i.e. catering, dietician, and other culinary careers). Lab instruction emphasizes the application process. Leadership development will be provided through the Family Career and Community Leaders of America (FCCLA) student organization.

Family/Consumer Sci Essentials (Formerly Life Skills)

Open to 9-12

½ Credit

****Satisfies the Practical Living Graduation Requirement**

This course is designed to help students develop a positive self-concept and improve the quality of their personal and family lives through a study of values clarification, goal setting, problem solving and the management process. Students will learn the proper use of communication skills to address issues important in their everyday lives. Basic nutrition, food labeling and shopping are introduced. Proper table setting and etiquette are practiced. Each student will keep and reconcile a checkbook. Career exploration and employment skills will be addressed.

Money Skills

Open to 10 – 12
½ Credit

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 throughout the content. Leadership development will be provided through the Family, Career and Community Leaders of America.

Health & Physical Education Course Offering

Health & Physical Education

Open to 9

1 Credit

Required Equipment: Proper shoes, t-shirts, shorts or sweats

The content and learning experiences in this course will help students in the following areas: individual and family relationships, consumer choices, physical well-being, mental and emotional health, community services, nutrition, and sexuality.

Also involves the teaching of fitness, lifetime leisure sports, individual sports, team sports, and dance. Skills learned will be reinforced and advanced skills introduced.

Lifetime Fitness/Advanced PE

Open to 10-12

1 Credit

Prerequisite: Freshmen Health and PE

Required Equipment: Proper shoes, t-shirts, shorts or sweats

Lifetime Fitness is designed for those students wanting to better their overall physical health and wellbeing. Enjoy exercise. Improve fitness. Enhance wellness. Learn proper techniques of aerobic walking using the large muscle groups. Increase motivation for better health, fitness, and diet. This class would incorporate many of the skills that are necessary for individuals to develop the ability to take personal responsibility for their health and well-being including planning, tracking, analyzing, and assessing of personal performance data. Students will also develop advanced skills in selected games & sports.

Weightlifting/Conditioning

Open to 10-12

½ to 1 Credit

Required Equipment: Proper shoes, t-shirts, shorts or sweats

This course helps students understand athletic conditioning through weight training and various cardiovascular activities. Students may be asked to develop their own conditioning program and apply it in the weight room.

Journalism/Broadcasting Course Offerings

Journalism I

Open to 9-12

1 Credit

This course serves as an introduction to the ins and outs of print journalism. Students in the class will not only learn the skills necessary to write for the school newspaper, but also learn how to develop their skills as writers in the real world. Students will be challenged by the fast paced style of the class, arranged to simulate real world deadlines. The class places emphasis on writing, specifically grammar and style. In addition to the heavy writing content of the class, students will also learn about press law, ethics, and advertising. There is also a technology aspect because students will gain experience with computer aided graphic design and layout. Programs used are Adobe PageMaker, Microsoft Publisher, and Microsoft Word. This class is a prerequisite for Journalism II-IV.

Journalism II, III, IV

Open to 10-12

1 Credit

Prerequisite: A grade of "B" or higher in Journalism I and instructor approval.

The function of this class is the production of the school newspaper. Students are responsible for the entire process, from generating story ideas, to laying out the pages for the printer. A large emphasis is placed on meeting deadlines in each of the areas of newspaper production, including writing, editing, photography, ad sales and management, page design and layout, and circulation. Students will continue to use and master computer programs Adobe PageMaker, Microsoft Publisher, and Microsoft Word. Extra outside duties may include working as "stringers" for the local newspaper and participating in competitions.

Yearbook

Open to 11-12

½ or 1 Credit depending on schedule needs

Prerequisite: A or B in previous English class; approval from yearbook class instructor

This class is designed for highly motivated, independent, and creative individuals who wish to create and design the school yearbook. Students must meet strict deadlines: they must work during class and sometimes before/after school. All student work is computer generated. Students will learn to produce a publication using *In Design* yearbook software. This course introduces the students to the unique characteristics of journalistic expression. Yearbook is a skill-focused, outcome-based lab class. Completion of an application along with teacher recommendation is required.

Journalism/Broadcasting Course Offerings

Introduction to TV Studio Production

Open to 9-12

1 Credit

Fee: \$10.00

This class is for students interested in exploring TV Broadcasting. It will give students a broad understanding of the basics of producing a TV program. Activities will include writing scripts, interviewing techniques, storyboarding, editing clips, and performing on camera.

TV Studio Production II, III, IV

Open to 10-12

1 Credit

Fee: \$10.00

Prerequisites: Any of the following classes- Intro. To Studio Production, Journalism I, Speech, or FFA Speech experience. Teacher recommendations are also required.

Students in this class will gain a working knowledge of video equipment and editing software as well as be responsible for creating their weekly TV news for WBBA. Students will be expected to complete tasks and assignments during and after school. Due to the nature of the class, it is open only to highly responsible students. Students must complete an application and go through an interview process to be considered for the class.

Marketing Course Offerings

Principles of Marketing

Open to 9-12

1 Credit

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work.

Advanced Marketing

Open to 10-12

1 Credit

Prerequisite: Principles of Marketing

This course is designed to enhance marketing skills developed in the marketing prerequisite course and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employer/employee relations for a wide range of marketing careers. This course is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing information management and financial analysis.

Sports & Event Marketing

1 Credit

Open to 10-12

Prerequisite: Principles of Marketing

This course is designed to develop a thorough understanding of the marketing concepts and theories that apply to sports and events. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operation, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries.

Experience Based Work

Open to 12th

3 credits

Prerequisite: Teacher Approval

Experience Based Work provides 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.

Mathematics Course Offerings

- Beginning with the class of 2012, all students must have a math class **every** year they are in high school.
- Any student that would like to double up during one school year and take two math classes needs approval of teacher or administrator.
- Math Transitions is being offered for seniors to help improve math scores and prepare them for future education without having to take remedial math courses in college.
- There is extensive use of the TI-84 graphing calculator in all math courses. Students are encouraged, but not required, to purchase their own.

POSSIBLE MATH SEQUENCES DEPENDING ON ABILITY

General Math Sequence	College Preparatory Sequence
Algebra I	Geometry Honors (Algebra I taken at 8th grade level)
Geometry	Algebra II
Additional Math Course determined by ILP	Pre-Calculus or AP Statistics
Additional Math Course determined by ILP	AP Calculus or DC College Algebra

Math Essentials

Open to 9

1 Credit

Math Technology Fee: \$3.00

****A required class for any freshman who scored below 50% on the Essential Pretest.**

A high school administrator must approve removal.

This class will enhance basic skills that the student will need to be successful in algebra-based courses.

Algebra I

Open to 9-10

1 Credit

Math Technology Fee: \$3.00

A graduation requirement for all students and requires abstract reasoning. The major concepts are graphing, solving equations, expressions, inequalities and functions.

Algebra II

Open to 10-12

1 Credit

Prerequisite: Algebra I

Math Technology Fee: \$3.00

Algebra II covers two and three dimensional graphing, systems of equations, matrices, quadratic equations, polynomial functions, exponential/logarithmic functions and sequence/series. Students can expect to use the TI-84 on a daily basis.

Honors Algebra II

Open to 10-12

1 Credit

Math Technology Fee: \$3.00

Honors Algebra II covers two and three dimensional graphing, systems of equations, matrices, quadratic equations, polynomial functions, exponential/logarithmic functions, and sequence/series. Students can expect to use the TI-84 on a daily basis. This class will prepare students for advanced mathematics such as Pre-Calculus and AP Calculus.

Geometry

Open to 10-12

1 Credit

Prerequisite: Algebra I

Math Technology Fee: \$3.00

Geometry Stresses the development of problem-solving skills and logic. This course covers formal and informal proof, perimeter, area, volume concepts, congruence and similarity and inductive and deductive reasoning.

Honors Geometry

Open to 9-12

1 Credit

Math Technology Fee: \$3.00

This class will progress at a faster pace than Geometry. This class will include topics covered in Geometry, as well as topics such as trigonometry, chords, secants, tangents, similarity, and detailed proofs. This class is recommended for all students who plan to take Pre-Calculus and/or Calculus.

Math Transitions

Open to 12

1 Credit

Prerequisite: Algebra II

Math Technology Fee: \$3.00

This is a continuation of Algebra II skills. The class is designed to prepare students for college level mathematics.

Pre-Calculus

Open to 11-12

1 Credit

Prerequisite: Geometry & A or B in Algebra II

Math Technology Fee: \$3.00

This is a college preparatory class. Students can expect for this course to be the equivalent of a college level course. Topics from Algebra II will be refined and new topics such as horizontal asymptotes of rational functions, trigonometry, and analytic geometry will be discussed. Students will look at trigonometric functions and identities. Analytic geometry will be developed further. Use of TI-84 is required.

AP Calculus (for the AB Exam)

Open to 12

1 Credit

Recommended Prerequisite: Pre-Calculus

Math Technology Fee: \$3.00

This course covers topics ranging from an extensive review of pre-calculus to derivatives and their applications. This class also covers topics such as summations, the limit method of integration, and integration of various functions. Students should be prepared for extensive outside class assignments and extensive use of the graphing calculator. Students can expect much of the studies for this class to be focused on "AP-type" questions to prepare for the AP Calculus AB exam in May. Use of TI-84 is required.

College Algebra *DUAL CREDIT*

Open to 12

1 Credit (Dual Credit)

Prerequisites: Math ACT score of 22 or higher, or qualifying score on the COMPASS placement exam

Fee: \$50 to \$250 depending on instructor and college

This college level courses reviews selected topics in algebra and analytic geometry. Develops manipulative skills and concepts required for successful calculus study. Includes brief review of basic algebra, quadratic formula, systems of linear equations, logarithmic/exponential equations.

AP Statistics

Open to 11-12

1 Credit

Recommended Prerequisite: Algebra II

The purpose of this course 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:

- Exploring Data: Describing patterns and departures from patterns.
- Sampling and Experimentation: Planning and conducting a study.
- Anticipating Patterns: Exploring random phenomena using probability and simulation.
- Statistical Inference: Estimating population parameters and testing hypotheses.

Students who successfully complete this course and examination may receive credit and/or advanced placement for one-semester introductory college statistics course.

Music Course Offerings

Band

Open to 9-12

1 Credit

Prerequisite: 2 years middle school band classes or Band Director's approval

**** Satisfies the Arts & Humanities Graduation Requirement**

Students are required to maintain an individual music folder with all required music, keep their instrument in good working order, and furnish specified attire. Evaluation is based on performance attendance, rehearsal attendance, fulfillment of playing test, daily participation, and preparation and care and handling of equipment for the class and performance. The band performs at all home and post season football games- Friday nights, competes at marching band shows- Saturdays, and marches in local parades- Christmas. Two weeks of summer band camp are also required. A complete schedule will be provided to all interested persons. Evaluation is based on performance attendance, daily participation, written assignments, and playing tests. For a complete set of requirements and expectations, please contact the course instructor.

Concert Choir

Open to 9-12

1 Credit

Prerequisite: Audition

**** Satisfies the Arts & Humanities Graduation Requirement**

Is a select chorus, which will perform at various community concerts, as well as regional contests and graduation. This group is designed to promote the highest standards of musicianship through vocal music. Basic music theory, as well as proper vocal technique, will be stressed. Members must participate in all performances of this organization.

Percussion

Open to 9-12

1 Credit

Prerequisite: 2 years middle school band classes or band director's approval

**** Satisfies the Arts & Humanities Graduation Requirement**

Percussion ensemble is the percussion branch of the concert band. All students must be a member of the marching band and participate in all after school rehearsals, concerts, pep band and fundraising.

Jazz Band

Open to 9-12

1 Credit

**** *Satisfies the Arts & Humanities Graduation Requirement***

Jazz Band is a select group (must audition) that is a branch of the concert band program. It consists of trumpets, trombones, saxophones, and a rhythm section (piano, drum set, guitar, and bass guitar). The group will study and perform music of the foremost big band composers, past and present. They will perform at least one concert each 9 weeks.

Science Course Offerings

The Science Department has two pathways to fit the goals and needs of the students. Both pathways fulfill graduation requirements.

	<u>General</u>	<u>STEM</u>
9 th	Int. Science I	Int. Sciences-STEM
10 th	Int. Science-II or General Chemistry	General/Honors Chemistry
11 th	General Biology	General Biology/AP Biology
12 th	Elective if desired	AP Chemistry

Integrated Science I

Open to 9

1 Credit

Prerequisite: None

This course is the introductory high school science course. This course provides an introduction to physics, chemistry, earth/space science and life science. This class is a concepts and skills based class focusing on the scientific skills of observing, collecting, organizing, interpreting data, and problem solving. These skills are reinforced using hands on and lab based activities.

Integrated Science - STEM

Open to 9

1 Credit

This course is an introductory high school science course which has an increased emphasis placed on the mathematical and chemical components of introductory science. This course provides a more in-depth introduction to physics, chemistry, earth/space science and life science. This classes focuses on the needed mathematical skills that will accompany future chemistry and physics courses taken.

Science Course Offerings

Integrated Sciences II

Open to 10-12

1 Credit

Prerequisite: Integrated Science I

This course is designed to provide an understanding of basic biochemical processes and applied physical concepts. Real-world applications and hands-on activities are emphasized. This course is designed for students who are not interested in a career in the sciences.

Chemistry

Open to 10-12

1 Credit

Prerequisite: Integrated Sciences General/Integrated Sciences STEM & Algebra I

This course is designed for non-science, college bound students and career bound students that need a basic understanding of chemistry (i.e., agriculture, fire fighters). The course uses Algebra I and mathematical concepts to solve real-world problems but not to the same extent as Honors chemistry. Laboratory experiences are designed to reinforce or introduce concepts.

Honors Chemistry

Open 10-12

1 Credit

Prerequisites: Integrated Science I STEM & Algebra I

This course is a preparatory course for students interested in entering a career field within the sciences (i.e. medicine, engineering). Students must be proficient in algebra I and have strong math skills. Laboratory experiences are designed to reinforce, or introduce concepts presented within the class lecture/discussion

Biology

Open to 11-12

1 Credit

Prerequisite: Integrated Sciences I & Integrated Sciences II or chemistry

This course is a study of living organisms and the processes required for life. The course makes extensive use of the concepts learned in Integrated Sciences I and Integrated Sciences II/chemistry. The Kentucky End-of-Course assessment is required at the end of the class.

Science Course Offerings

AP Biology Class & Lab

Open to 11- 12

2 Credits

Recommended Prerequisite: Honors Chemistry & Algebra I

This course is the equivalent of a college freshman biology course and biology laboratory. The curriculum is organized around four “Big Ideas”. These ideas include molecular biology, energy metabolism, ecology, and biological systems. The biology class (1 credit) moves at a rapid pace, has a required companion laboratory component (1 credit) and meets for 2 hours a day. Inquiry-based laboratory experiences and case-studies will reinforce major concepts. Passing the College Board Biology test and the completion of the laboratory can earn 4 college credits at most Universities

Anatomy & Physiology

Open to 12

1 Credit

Recommended Prerequisite: Integrated Sciences I STEM, Honors Chemistry & Honors Biology

Fee: \$5.00

The course covers the anatomy of organ systems and basic physiological processes. This is a rigorous course designed specifically for students interested in a career in medicine, nursing, or other health related fields.

Physics

Open to 11-12

1 Credit

Prerequisites: Geometry, Algebra I & Algebra II

The course is designed to cover the basics of mechanics (vector analysis, Newtonian Laws of Motion, Law of Conservation of Energy, concurrent and parallel forces), light and sound, and electricity and magnetism. This is a rigorous class that requires daily and extensive use of mathematical concepts.

AP Chemistry Class & Lab

Open 11-12

2 Credits

Recommended Prerequisites: Algebra I, Algebra II (or pre-calculus) & Honors chemistry

These classes are the equivalent of a college freshman chemistry course and chemistry laboratory. The chemistry class has a rigorous math-based curriculum (1 credit) with a required companion laboratory component (1 credit) and meets 2 hours a day. The course will develop the student's ability to incorporate mathematical skills in the solution of chemistry problems, both through the use of textbook problems and laboratory activities. Passing the College Board Chemistry test and the completion of the laboratory can earn 5 college credits at most Universities.

Marine Biology

Open 11-12

1/2 Credit

Fee: \$20

This course addresses key concepts related to marine science, including ocean zones, seawater, habitats, and marine taxonomy.

Forensics

Open 11-12

1/2 Credit

Fee: \$20

This course is a problem-based inquiry course dealing with Forensic sciences. Content: Forensic Science Population: General

Social Studies Course Offerings

Integrated Social Studies

**Open to 9
1 Credit**

Course provides a study of basic social studies areas: geography, economics and government.

AP Human Geography

**Open to 9-12
1 Credit**

Prerequisite: Student must have received an “A” in last social studies class and have permission by instructor.

Advanced Placement course guided by a College Board approved curriculum dealing with maps and spatial data, relationship between people and places and their interconnections, patterns of movement, evaluation of the regionalization process, etc.

World Civilization

**Open to 10th grade
1 Credit**

This course is a study of the world beginning with the Renaissance and Reformation in Europe and ending with the modern world.

AP European History

**Open to 10-12 and permission from instructor
1 Credit**

Recommended Prerequisite: An “A” in previous social studies and English class or permission from instructor

This is a college-level European history course designed by the College Board with the goal of students successfully passing the AP European History exam in order to gain college credit for the course. The European history course covers the time period from 1450 to the present.

U. S. History

**Open to 11
1 Credit**

Is a study of the nation’s social, economic, and political developments from colonization to the present.

Social Studies Course Offerings

AP U. S. History

Open to 11 or permission from instructor

1 Credit

Recommended Prerequisite: An “A” in previous social studies and English class or permission from instructor

Follows the curriculum established by the College Board. Students will study the social, political, and economic history of America from Pre-Colonial days to the modern era. Good writing and research skills are essential.

America at War

Open to 11-12

½ Credit

This course would follow American engagement in armed conflicts from colonial times to the present. Cause and effect would be a major focus. Conflicts would include (but not be limited to) French and Indian War, Revolutionary War, War of 1812, Seminole War, Mexican War, Civil War, Spanish American War, WWI, WWII, Korean War, Vietnam War, Gulf War, War on Terror, etc. This class will require reading-based research as well as written assessments and class presentations.

Reel History

Grade 11-12

½ Credit

The goal of Reel History is to encourage students to think critically about how films shape our views of history. Before each film we will study the historical background of the events portrayed. After watching the films we will analyze and compare the films to the reality of the historical record. This course will focus on reading comprehension, writing skills, and critical thinking skills for the 21st Century learner.

Kentucky Studies

Grade 11-12

½ Credit

The Kentucky Studies elective course brings together various elements of Kentucky Studies stressed in the earlier grades. The course focuses on the historical and cultural forces that have influenced the people and the institutions of the Commonwealth. The Kentucky Studies elective should give equal chronological coverage to Kentucky before and after the Civil War. It should stress the role of geography in the state's development and the importance of the regional variations across Kentucky. The customs of the people, their values, their folklore, and their family life should be examined in the context of such forces as agrarianism and urbanism. All of this should be done through the historical context, and should enhance the forces shaping government, politics and social change. Topics of study may be the arts, civil rights, communications, education, environment, labor history, religions, the sciences and transportation.

Contemporary U.S. History

Grade 11-12

½ Credit

Contemporary U. S. History is a study of local, state and national government operations; economic issues; citizenship responsibilities; current events and historical origins; problem solving techniques. This course is NOT a course requiring an End of Course (EOC) exam.

Global Issues

Grade 11-12

½ Credit

Global Issues is the study of persistent issues related to social, political, and economic facets of human behavior. This is an opportunity for the mature pupil to the concepts, skills, and tools of the social scientist and the humanist in some decision-making and problem-international concern. This should be more than a survey course in current events. Independently, pupils might pursue a new issue in considerable depth through comprehensive research and analysis. It would also be possible for the teacher to utilize this course to involve the students in some direct manner with community issues and problems. The student could identify with a practitioner who shares the concern or problem.

Criminal Law and Procedures

Grade 11-12

½ Credit

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.

Law and Justice

Open to 11-12
1/2 Credit

This college-prep course covers civil, criminal, and constitutional law, along with a study of the American justice system.

Psychology

Open to 11-12
½ Credit

Paired with Sociology (435) and taken 1st semester

The course explores how and why people think and feel the way they do in different situations from birth to death. In this course, you will gain an understanding of how the mind works and impacts all aspects of our lives.

Sociology

Open to 11-12
½ Credit

Paired with Psychology (430) and taken 2nd semester

Sociology examines how individuals, groups, and institutions interact to make up human societies and how people and the roles they play impact society.

World Language Course Offerings

Spanish I

Open to 9-12

1 Credit

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. There are two main objectives to the course. Foremost is to give the students the ability to carry on a simple conversation. The second is to provide the students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

Spanish II

Open to 10 -12

1 Credit

Suggested Prerequisite: C or above in Spanish I or teacher recommendation

Spanish II builds upon knowledge gained in Spanish I. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional and perfect tenses. Students will be expected to apply them in their writing and speaking.

Spanish III

Open to 11-12

1 Credit

Suggested Prerequisite: Teacher recommendation

This course is a continuation of Spanish II, with continued emphasis on the study of written and oral communication, through the four basic language skills: listening, speaking, reading, and writing in Spanish. The general objective of this course is to prepare the student for speaking and writing at an early college level, and to help the student prepare for college placement exams they will take upon entering college.

World Language Course Offerings

Spanish IV AP

Open to 11-12

1 Credit

Recommended Prerequisite: Teacher recommendation

This is a fast paced advanced placement course that continues to prepare students to perform at a high level of proficiency in the four basic language skills: listening, speaking, reading, and writing. Upon completing this course, students are expected to comprehend both formal and informal Spanish, and also to be able to speak and write at the college level. The general objective of the course is to also prepare students for the advanced placement examination.

German I

Open to 9-12

1 Credit

German I provides students with the basic foundation needed to converse in German. Students build vocabulary, while learning to form sentences in the present, and past tenses. Students will also explore the culture surrounding Europe's most widely spoken language! Komm mit! German is also the entryway towards earning 3 college classes worth of credit in German while in high school. German 2, 3, and 4 are offered for dual credit here at BCHS. Students can meet their college language requirement before they even set foot on a college campus. If you have any questions, email jed.hale@bourbon.kyschools.us.

German II/German 101 Dual Credit

Open to 10-12 or with teacher recommendation

1 Credit

Prerequisite: C or above in German I or Teacher Recommendation

Fee: \$120 ONLY if student wants to take it for college credit

German II is a continuation of German I with more emphasis on oral and written communication. Students will be introduced to German literature and continue to develop the skills and vocabulary needed to communicate auf Deutsch. This course is offered for dual credit through Western Kentucky University. The coursework is the same regardless of whether a student takes the course for dual credit or just for high school credit.

German III/ German 102 Dual Credit

Open to 11-12 or with teacher recommendation

1 Credit

Prerequisite: B or above in German II with Teacher Recommendation

Fee: \$120 ONLY if student wants to take it for college credit

German III continues where German II leaves off, placing more emphasis on German Literature and examining and exploring current events in the German speaking world through actual German media. Emphasis will also be placed on examining one's own personal interests and their applications in the target culture. The course is offered for dual credit through Western Kentucky University. Completion of German 102 meets the language requirement of most colleges. The coursework is the same regardless of whether a student takes the course for dual credit or just for high school credit.

German IV

Open to 11-12 or with teacher recommendation

1 Credit

Prerequisite: B or above in German III with Teacher Recommendation

Deutsch IV continues where German III ends. Wenn du diese Deskription nicht lesen kannst, dann gehorst du nicht hier! Students will continue to examine their own interests in the German speaking world, while exploring literature and current themes. The goal is to be ready to study German further in college and be ready to communicate in the German speaking world. This course is offered for dual credit through Western Kentucky University. The coursework is the same regardless of whether a student takes the course for dual credit or just for high school credit.