

**TO:** Dr. Jesse Bacon, Superintendent *JB*

**FROM:** Lee Barger, Director CCR/Innovative Programs *LB*

**DATE:** January 28, 2025

**RE:** 2025-2026 Curriculum Guide Handbook

Please find this memo to include the Curriculum Guide (Fully Produced Online Version). BCPS policy 0.8113 states that all curriculum guides will be board approved each year. This is a working document for student scheduling and informational purposes.

This document continues to be electronic and is accessible for our high school students via Access 24 Chromebooks. Hard copies will be available per request.

Permission is requested to approve the 2025-2026 Curriculum Guide Handbook at the February Board meeting.

QR for Full Production Handbook:



**OUR MISSION IS TO INSPIRE AND EQUIP OUR STUDENTS TO SUCCEED IN LIFE**

**BULLITT COUNTY PUBLIC SCHOOLS IS AN EQUAL EDUCATION AND EMPLOYMENT INSTITUTION**



2025-2026 BULLITT COUNTY PUBLIC SCHOOLS

# Curriculum Handbook



MOVING FORWARD

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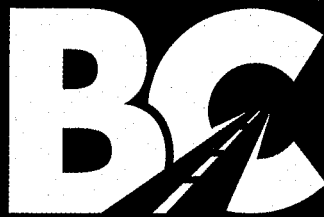
# Bullitt County Public Schools Strategic Planning Process

Input Sessions

Board Aspiration  
Statements

BULLITT COUNTY PUBLIC SCHOOLS

# Strategic Planning



MOVING FORWARD

## Graduate Profile Development

What knowledge, skills, and dispositions will our students need and have when they graduate from BCPS?

THE VISION  
BEHIND OUR VISION  
(OUR GOALS)

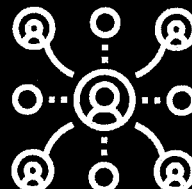
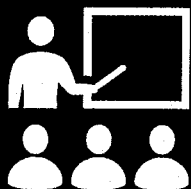


Moving Forward

Our mission is to inspire and equip our students to succeed in the future.



## Bullitt County Board of Education Aspiration Statements

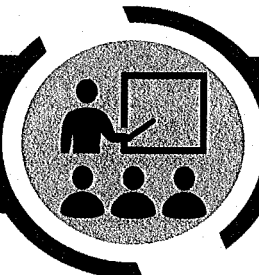


### 1. Assure our graduates are ready to immediately succeed in life.

Graduate readiness (performance index, focused on the three pillars of college readiness) measured by transition readiness of state-represented students formally assessed on all components.

### 2. Provide a solid, useful education that is valued by students, parents, educators, staff, community members, and businesses.

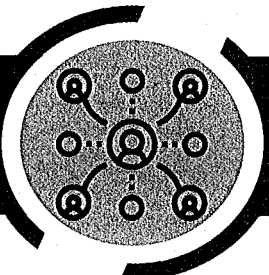
Effective, relevant, and innovative learning experiences that are valued by students, parents, educators, staff, community members, and businesses.



### 3. Achieve Student Success cost effectively

### 4. Be a national leader in educational innovation and performance.

Leadership in innovation and performance, measured by the number of students who are nationally recognized for their achievement.



### 5. Collaborate with businesses, education providers, and the community to maximize student learning options.

Maximize student learning options by providing a variety of learning experiences, including traditional, blended, and online learning options.

**Our mission is to inspire and equip our students to succeed in life.**





## Bullitt County Public Schools Core Values

MOVING FORWARD

*Our mission is to inspire and equip our students to succeed in life.*



### Students Matter Most

1. Will it improve student success?



### Shared Accountability

1. Will it improve organizational collaboration or student performance?
2. Is it ethical?
3. Is it cost-effective?



### Embrace Differences

1. Will it help create acceptance and understanding of people of different backgrounds?
2. Will it contribute to the development of positive relationships?



### Future Focused

1. Is it sustainable going forward?
2. Are there possible unintended impacts?



### Proactive Innovation

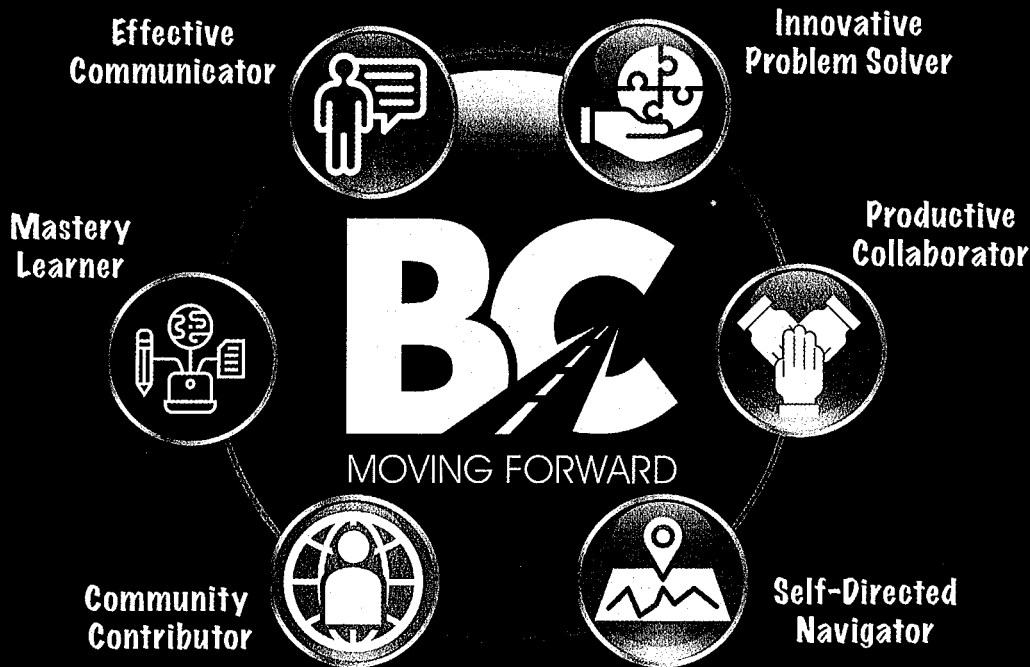
1. Will it make us exceptional in quality, opportunities, and results?



### Service Before Self

1. Will it improve stakeholder satisfaction (students, staff, parents, community)?

## Bullitt County Public Schools Graduate Profile



### Effective Communicator

- Demonstrates active listening
- Engages others in productive discourse leading to solutions
- Adjusts message according to the context, purpose and needs of the audience
- Conveys ideas clearly in verbal, written, visual, and digital forms



### Innovative Problem Solver

- Gathers and analyzes information from a variety of sources including counter arguments
- Synthesizes ideas/information/data to develop new or unique solutions
- Analyzes and evaluates feedback and impact of approaches on the potential or actual outcome of the work



### Mastery Learner

- Reasons using discipline/content specific skills
- Makes adjustments as required based on new knowledge and experiences
- Applies learned content to settings and contexts beyond the classroom
- Applies a growth mindset to persevere when engaging with novel ideas, situations and challenges



### Self-Directed Navigator

- Prioritizes tasks and manages time effectively
- Initiates course of action and reflects on challenges/ failures as opportunities to learn and improve
- Sets goals and develops an action plan to achieve goals
- Uses strengths and resources to make adjustments around obstacles until goals are achieved



### Productive Collaborator

- Productively works with diverse groups to achieve a goal
- Listens to others viewpoints to manage conflicts and finds solutions that work towards outcomes
- Seeks out, provides and applies constructive feedback to improve outcomes and achieve goals



### Community Contributor

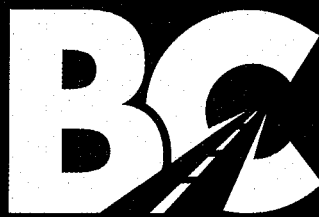
- Recognizes a need, problem and engages others to positively impact local, regional and/or global communities
- Demonstrates empathy and respect for diverse cultures and opinions
- Demonstrates safe, legal and ethical behavior

**Our mission is to inspire and equip our students to succeed in life.**








BULLITT COUNTY PUBLIC SCHOOLS

# School Leadership







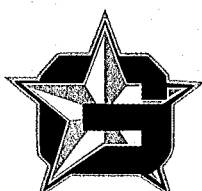

MOVING FORWARD

## High School Leadership

	<p>BCHS PRINCIPAL <u>Joe Pot Lee</u></p>	<p>ASST. PRINCIPALS <u>Abby Baylor</u> <u>Christy Burden</u> <u>Kyle Roach</u></p>	<p>COUNSELORS <u>Beth Root</u> <u>Chad Hart</u> <u>Katie Newton</u></p>	<p>CCR COACH <u>Kristen Goins</u></p>
	<p>BEHS PRINCIPAL <u>Nate Fulghum</u></p>	<p>ASST. PRINCIPALS <u>Angela Binkley</u> <u>Mike Brangers</u> <u>Stephen Crepps</u> <u>Ondrea Smallwood</u></p>	<p>COUNSELORS <u>April Walker</u> <u>Savannah Richardson</u> <u>Valerie Clark</u> <u>Dana Steinmetz</u></p>	<p>CCR Coach <u>Jenna Bacon</u></p>
	<p>NBHS PRINCIPAL <u>Kristi Lynch</u></p>	<p>ASST. PRINCIPALS <u>Lindsey Wegley</u> <u>Valerie Skillman</u></p>	<p>COUNSELORS <u>Sara Thornsberry</u> <u>Stephanie Burba</u> <u>Cindy Housley</u></p>	<p>CCR COACH <u>John Loudermilk</u></p>
	<p>ROC PRINCIPAL <u>Dominic McCamish</u></p>	<p>ASST. PRINCIPAL <u>Chad Golladay</u></p>	<p>COUNSELOR <u>Valarie Moore</u></p>	<p>CCR COACH <u>Shannon Rickard</u></p>
	<p>BAC PRINCIPAL <u>Darrell Vincent</u></p>	<p>CCR COACH <u>Shannon Rickard</u></p>		



## Middle School Leadership

	BMS PRINCIPAL <u>Katie Stephens</u>	ASST. PRINCIPAL <u>Jennifer Harrison</u>	COUNSELOR <u>Amy Bush</u>
	BLMS PRINCIPAL <u>Amanda Nokes</u>	ASST. PRINCIPAL <u>Cory Hall</u>	COUNSELOR <u>Jennifer Faith</u>
	EMS PRINCIPAL <u>Antone Towns</u>	ASST. PRINCIPAL <u>Chad Pasley</u>	COUNSELOR <u>Bryan Bates</u>
	HMS PRINCIPAL <u>Chad Foster</u>	ASST. PRINCIPAL <u>Jamie Ballard</u>	COUNSELOR <u>Kathleen King</u>
	MWMS PRINCIPAL <u>Tim Ridley</u>	ASST. PRINCIPAL <u>Kim Leshner</u>	COUNSELOR <u>Christy Fenwick</u>
	ZMS PRINCIPAL <u>Lesley Chadwell</u>	ASST. PRINCIPAL <u>Mitzi Phelan</u>	COUNSELOR <u>Karissa Lewis</u>

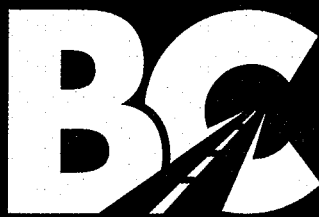
## Elementary School Leadership

 <p><b>BES</b> <u>Betty Jo Davis</u>, Principal <u>Fin Burton</u>, Asst. Principal <u>Taylor Henry</u>, Counselor</p>	 <p><b>CES</b> <u>James Sloven</u>, Principal <u>Coray Newberry</u>, Counselor</p>	 <p><b>CES</b> <u>Benjamin Monnett</u>, Principal <u>Lauren Manion</u>, Counselor</p>
 <p><b>FES</b> <u>Carla Wilson</u>, Principal <u>Jessica Emerson</u>, Asst. Prin <u>Alexandria LeGrand</u>, Counselor</p>	 <p><b>LJES</b> <u>Daniel Mullins</u>, Principal <u>Jami Willis</u>, Counselor</p>	 <p><b>MES</b> <u>Jamie Wyman</u>, Principal <u>Kara Nicoulin</u>, Counselor</p>
 <p><b>MWES</b> <u>Leslie Weihe</u>, Principal <u>Julie Adams</u>, Asst. Principal <u>Alicia Franklin</u>, Counselor</p>	 <p><b>NES</b> <u>Kimberly Bradbury</u>, Principal <u>Lauren Clark</u>, Counselor</p>	 <p><b>OMES</b> <u>Brittany Joiner</u>, Principal <u>Rebecca Melcher</u>, Counselor</p>
 <p><b>OES</b> <u>Tonya Holt</u>, Principal <u>Ryan Sego</u>, Counselor</p>	 <p><b>PGES</b> <u>Dionna Bickley</u>, Principal <u>Erica Harbin</u>, Asst. Principal <u>Elizabeth Barnett</u>, Counselor</p>	 <p><b>RES</b> <u>Hannah Scott</u>, Principal <u>Kelley Moore</u>, Counselor</p>
 <p><b>Singer's</b> <u>Jason Baragary</u>, Principal <u>Samantha Grunbacher</u>, Asst. Principal Counselor</p>		



BULLITT COUNTY PUBLIC SCHOOLS

CCR  
System



MOVING FORWARD



## CCR Progression in BCPS

Our schools utilize a structured & deliberate guidance and advisement system which includes a belief that all students can be Postsecondary Ready. Advisors work with students to set goals and prepare for rigorous courses K-12 and on into college. Students use SchoolLinks to set Individual learning plans, set academic goals, view course selections, participate in educational planning, and experience personal growth. CCR expectations are embedded at all levels and integrated into classroom instruction, hallways, rituals, and celebrations. *It's a way of life!*

*Elementary*  
**CCR  
Awareness**



*Middle*  
**CCR  
Exploration**



*High*  
**CCR  
Preparation**



## Learning Labs in Middle School

Paxton/Patterson is an educational company providing the best College & Career preparation for America's youth. These learning systems engage students with problem-based, real-world technology and empower students to discover their interests and aptitudes, along the pathway to post-secondary success.

Paxton/Patterson's unique programs concentrate on:

- STEM Education
- Health Science
- Architecture & Construction
- Career Exploration - Clusters & Pathways



Each BCPS middle school will receive a "Learning System" of College & Career Ready Labs. This Learning System is a collection of modules from various content areas, consisting of online curriculum, hands-on activities and assessments.

[Click here](#) to learn more about Paxton-Patterson Labs.



## SchoolLinks

### **WHAT IS SCHOOLINKS?**

What is SchoolLinks? SchoolLinks is a comprehensive college and career readiness technology platform that will help Bullitt County Public Schools students prepare for their futures. The platform provides tools and features to guide students through the process of exploring their career goals and interests.

SchoolLinks helps plan for their post-high school lives by offering career interest inventories, career exploration, improving students' individual learning plans, scholarship matching, course planning, and more.

In short, SchoolLinks provides us with the tools needed to support students in their college or career opportunities!

### **WHAT DOES IT MEAN TO BE COLLEGE, CAREER, & LIFE READY?**

Students who have been adequately prepared with the right skills and knowledge are more likely to achieve success after high school.

## Elements of our CCR System

### GROWTH MINDSET

We encourage students to foster a growth mindset mentality when pursuing their college and career ready goals in BCPS. The notion of learning from failure, celebrating others, and taking healthy risks is paramount to ensuring that our mission to inspire and equip our students to succeed in life becomes a reality for all our students. Please keep the notion of growth mindset in mind throughout your CCR journey.

### SCHEDULING

All students will be required to take a full slate of courses during the school year. Scheduling will take place early in the spring semester for the following school year. Each school reserves the right to cancel courses due to insufficient requests/enrollment.

After the school year begins, course changes will only be made for unique circumstances. EXAMPLES: To recoup a required course, to add a graduation requirement, to correct duplication of a course, to correct inappropriate placement of a student, or to balance class size. It is imperative that course selections be given serious consideration. The following schedule is recommended for HS students in our district:

- Freshman: English I, Social Studies I, Science, Math, Health/PE, 1 or 2 electives
- Sophomore: English II, Social Studies II, Biology, Math, Visual Performing Arts, 1 or 2 electives
- Junior: English III, US History, Chemistry, Math, Personal Finance (or Senior Year) 2 or 3 electives
- Senior: English IV, Math, Personal Finance (or Junior Year) 4 or 5 electives

### ADVANCED PLACEMENT

Advanced Placement courses are recommended for students planning to attend a four year college or university. Students in Advanced Placement courses have the opportunity to earn high school credit and can earn college credit if they meet criteria on the AP Exam. Performing well on an AP Exam means more than just successful completion of a course; it is a gateway to success in college. Research consistently shows that students who score a 3 or higher on AP Exams typically experience greater academic success in college and have higher graduation rates than compared to non-AP peers. While colleges and universities are responsible for setting their own credit and placement policies, AP scores signify how qualified students are to receive college credit or placement.

- AP Score Qualification: 5—Extremely well qualified, 4—Well qualified, 3—Qualified, 2—Possibly qualified, 1—No recommendation.
- AP Specific Participation: AP students are required to take the AP exam in order for the credit to be posted on academic transcripts. If the student does not take the exam then the course will be listed as the general education equivalent.
- AP courses are weighted on 5 point weighted GPA scale.

## Elements of CCR System, cont.

### DUAL CREDIT

Dual credit courses may be offered to BCPS students through agreements with participating colleges/universities. The cost per course varies per year as do the course offerings each semester dependent on the college/university. Students will be expected to cover the cost of both the course and the textbook/online fees. Dual credit courses differ from Advanced Placement courses in that potential for earning college credit is not contingent upon an exam score. Students will be advised of their options during the scheduling process, if available, or at the beginning of each semester. The Dual Credit and Work Ready Scholarship is available for students. It is the responsibility of the student/guardian to inquire about these scholarship opportunities.

### GRADUATION REQUIREMENTS

In addition to the minimum graduation requirements set forth by the Kentucky Department of Education (KDE), Bullitt County Public Schools has additional graduation requirements as well. Please contact your school counselor for additional information.



## Kentucky Department of Education: Minimum Graduation Requirements For Students Entering High School in 2019-2020 and Thereafter

704 KAR 3:305, Kentucky's new minimum high school graduation requirements, became effective on April 5, 2019. However, [Senate Bill 158 \(2020\)](#) requires changes be made to state and local graduation requirements for students who entered high school in the 2019-2020 school year and thereafter. Please see the [Senate Bill 158 Implications for Minimum High School Graduation Requirements](#) document for specific changes.

Foundational	<b>4 English Credits</b> English I English II	<b>4 Math Credits</b> Algebra I Geometry	<b>3 Social Studies Credits</b> Social Studies Social Studies	<b>3 Science Credits</b> Lab-based Science Lab-based Science	<b>Other Credits</b> ½ Health; ½ PE Visual/Performing Arts
Personalized	2 Additional English credits aligned with the ILP and covering the remaining <a href="#">KAS for Reading &amp; Writing</a>  Additional course options aligned to the <a href="#">KAS for Reading &amp; Writing</a> could include, but are not limited to: English III, English IV, AP Language, AP Literature, dual credit English, etc.	2 Additional Math credits aligned with the ILP and covering the remaining <a href="#">KAS for Mathematics</a>  Additional course options aligned to the <a href="#">KAS for Mathematics</a> could include, but are not limited to: Algebra II, Precalculus, College Algebra, AP Calculus, dual credit math, dual credit CTE math, etc.	Social Studies aligned with the ILP and covering the <a href="#">KAS for Social Studies</a>  Additional course options aligned to the <a href="#">KAS for Social Studies</a> could include, but are not limited to: Social Studies 1, 2, 3, Geography/AP Human Geo, World History (or AP), US History (or AP), Economics, etc.	Science aligned with ILP and covering the <a href="#">KAS for Science</a>  Additional course options aligned to the <a href="#">KAS for Science</a> could include, but are not limited to: Chemistry (or AP), Physics (or AP), Biology (or AP), CSI Forensics, dual credit science, etc.	6 credits aligned with ILP and covering the related content area KAS.  Additional course options aligned to the <a href="#">KAS for Visual and Performing Arts</a> could include, but are not limited to: Chorus 1, Orchestra 1, Visual Arts 1, Theatre 1, Band 1, etc.

All required courses must be aligned to the [Kentucky Academic Standards](#). These are state minimum standards and additional requirements may vary by district.

### Other Graduation Requirements:

- Pass state-mandated civics test
- (Beginning in 2020-2021) Successfully complete a course or program in financial literacy
- Receive instruction in essential workplace ethics
- Demonstrate competency in technology



### Other Considerations:

- Development of Individual Learning Plan (grades 6-12)
- CPR Training in Health, PE or JROTC course

## Minimum High School Graduation Requirements Freshmen Classes 2018-2019 Through 2020-2021

Year	Minimum Number of Credits	English/ Language Arts	Social Studies	Mathematics	Science	Other Credits	Grade 10 Exams	Other Requirements
Grade Nine Students Entering 2018-2019 School Year and Prior	22 credits	Four credits: English I, II, III, and IV; An English course or equivalent must be taken each year of high school.	Three credits aligned with the ILP and covering the <a href="#">KAS for Social Studies</a>	Three credits: Algebra I, Geometry, and Algebra II; A mathematics course or equivalent must be taken each year of high school.	Three credits aligned with ILP and covering the <a href="#">KAS for Science</a>	1/2 credit: Health 1/2 credit: Physical Education  One credit: Visual/Performing Arts aligned with ILP and covering the <a href="#">KAS for Visual and Performing Arts</a>	Counts only toward accountability spring of 2020	Civics test; demonstrated performance-based competency in technology; seven elective credits
Grade Nine Students Entering 2019-2020 School Year	22 credits	Four credits: English I, II, and two other personalized credits covering the remaining required <a href="#">KAS for Reading and Writing</a>	Three credits aligned with the ILP and covering the <a href="#">KAS for Social Studies</a>	Four credits: Algebra I, Geometry, and two other personalized credits covering the remaining required <a href="#">KAS for Mathematics</a>	Three credits aligned with ILP and covering the <a href="#">KAS for Science</a>	1/2 credit: Health 1/2 credit: Physical Education (one of which shall provide CPR training)  One credit: Visual/Performing Arts aligned with ILP and covering the <a href="#">KAS for Visual and Performing Arts</a>	No Assessment Benchmark is Required for Graduation	Civics test; demonstrated performance-based competency in technology; six elective credits
Grade Nine Students Entering 2020-2021 School Year	22 credits	Four credits: English I, II, and two other personalized credits covering the remaining required <a href="#">KAS for Reading and Writing</a>	Three credits aligned with the ILP and covering the <a href="#">KAS for Social Studies</a>	Four credits: Algebra I, Geometry, and two other personalized credits covering the remaining required <a href="#">KAS for Mathematics</a>	Three credits aligned with ILP and covering the <a href="#">KAS for Science</a>	1/2 credit: Health 1/2 credit: Physical Education (one of which shall provide CPR training)  One credit: Visual/Performing Arts aligned with ILP and covering the <a href="#">KAS for Visual and Performing Arts</a>	No Assessment Benchmark is Required for Graduation	Civics test; Financial literacy standards program or course; demonstrated performance-based competency in technology; six elective credits; Receive instruction in essential workplace ethics

## College Admissions Timeline

Effective with the graduating class of 2015, students must meet additional requirements as adopted by the Kentucky Board of Education in order to graduate. Principals will disseminate these requirements to students through the guidance program and inclusion in student handbooks and in the Individual Learning Plan (ILP). Exceptions to this requirement shall be made for qualified students with disabilities as determined by the Admissions and Release and/or 504 committee or who have petitioned the Principal under Board approved guidelines established by the SBDM Council to present his or her reasons for non-attainment. If approved, the school team shall develop a rigorous and meaningful program encompassing a minimum of a twenty-four (24) clock-hour college and career readiness project to be verbally presented to a five (5) member school-based panel. The panel shall then make a recommendation on whether or not to award the diploma.

### GRADUATION HONORS

- Magna Cum Laude – Weighted GPA of 4.0 - 4.249
- Summa Cum Laude – Weighted GPA of 4.25 or above

### GRADUATION REQUIREMENTS

In addition to the minimum graduation requirements set forth by the Kentucky Department of Education (KDE), Bullitt County Public Schools has additional graduation requirements as well. Please contact your school counselor for additional information.

### RECOMMENDATIONS BY YEAR

#### Freshman Year:

- Follow pre-college curriculum.
- Maintain high grade point average.
- Update ILP using SchoolLinks
- Use ACT Academy for ACT improvement
- Take the Pre-ACT
- Become involved in school and community.

#### Junior Year:

- Follow pre-college curriculum.
- Take PSAT/NMQT in October.
- Begin to consider college choices
- Determine required college entrance tests and requirements.
- Attend College Fair.
- Use ACT Academy for ACT improvement
- Take the ACT/SAT in March.
- Visit college campuses.
- Complete 30+ hours in online ACT Prep Program.
- Update ILP using SchoolLinks

#### Sophomore Year:

- Follow pre-college curriculum.
- Maintain high grade point average.
- Use ACT Academy for ACT Improvement
- Take the ACT in March
- Update ILP using SchoolLinks
- Continue school and community involvement

#### Senior Year:

- Any student who did not take the ACT/SAT during his/her junior year should take the first test given in the fall. Retakes should be considered to improve your score.
- Begin writing any essays required for admissions; write a resume and keep copies.
- Attend College Fair and sessions with college representatives.
- Finalize college applications and housing forms.
- Be constantly aware of announcements concerning scholarships.
- Attend financial aid workshop, and apply for financial aid.
- Update ILP using SchoolLinks

# KEES Scholarship Program

## WHAT IS THE KEES PROGRAM?

The Kentucky Educational Excellence Scholarship (KEES) offers cash for good grades. Based on grades, Kentucky high school students can earn money that can be used to help pay tuition expenses at a Kentucky college, university, or technical school for four full years. The amount of money earned is based on each year's GPA, and a bonus will be given based on ACT composite score. At the end of each year, students will receive a letter stating the amount they are eligible to receive based on that year's grades. Students can check their accounts online at [this link](#). Registration through ZIP Access is required.

Learn more by visiting the [KEES Website](#).

GPA	Amount
2.50	\$125
2.60	150
2.70	175
2.75	187
2.80	200
2.90	225
3.00	250
3.10	275
3.20	300
3.25	312
3.30	325
3.40	350
3.50	375
3.60	400
3.70	425
3.75	437
3.80	450
3.90	475
4.00	500



# Postsecondary Readiness

## WHAT IS POSTSECONDARY READINESS?

We promote the notion of "Postsecondary Readiness" across the K-12 experience in order to help students to begin thinking and planning for their college and career aspirations. Our focus on pathways within BCPS speaks to our commitment to prepare college and career ready students before or upon high school graduation. Students are encouraged to identify pathways of interest that align with their future goals and plans. Pathways are listed in this handbook with corresponding courses which may lead to college or career readiness. Students are considered a career concentrator student by having completed two courses in a pathway and have it listed on their transcript. Career concentrator students are eligible to take the End of Program Assessment or earn industry certification. Students who complete a four course sequence before their senior year may be eligible for a cooperative education experience. Students achieve career completer status after they complete a fourth course in the pathway.

## HOW DOES A STUDENT BECOME POSTSECONDARY READY?

- Meeting or exceeding a college readiness benchmark score on the college admissions examination or a college placement examination approved by the Council of Postsecondary Education.
- Achieving 3 hours of college credit or postsecondary articulated credit by completing a course approved by the Kentucky Board of Education.
- Achieving a benchmark score on an AP, IB, CAI, or other nationally recognized exam approved by the KBE that generally qualifies the student for 3 or more hours of college credit.
- Completing a required number of hours or achieving a benchmark within an apprenticeship, cooperative, or internship that is aligned with a credential or associate degree.
- Achieving any industry-recognized certifications, licensures, or credentials, with more weight in accountability for industry-recognized certifications, licensures, or credentials identified as high demand.
- Per 2023 Senate Bill 25, successfully completing a KBE-approved cooperative (co-op) or internship that is aligned with a credential or associate degree and which provides a minimum of 300 hours of on-the-job work experience is an indicator of postsecondary readiness in Kentucky's Accountability System.

## WHAT IS AN INDIVIDUAL LEARNING PLAN?

BCPS utilizes the concept of an "Individual Learning Plan" or ILP to help our students select careers or colleges that interest them and complete the necessary courses to prepare them for that career or college. Students will complete their ILPs each year beginning in 6th grade using a career platform solution called SchoolLinks. From there, the ILP will be a crucial component of advisement, planning, and scheduling.

## Work Ethic Program

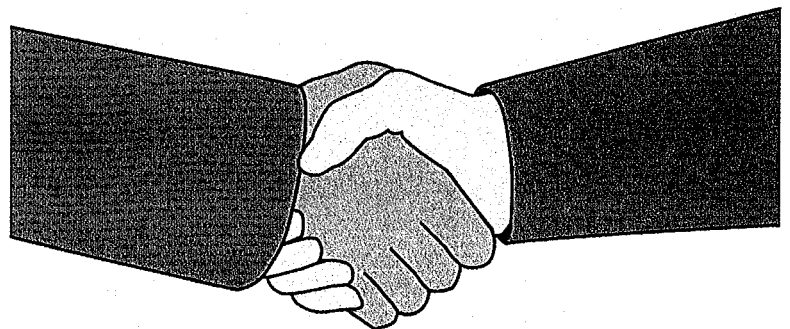
Part of the mission in education is to prepare students for the transition from school to work and life beyond the classroom. It is essential that students be taught essential skills necessary to be successful in the world of work. Bullitt County Chamber of Commerce and Bullitt County Public Schools have partnered to develop work-ready communities. Students will have the opportunity to earn work ethic certificates during each year in high school. The Work Ethic Certification will demonstrate to employers that a student recognizes the importance of work ethic and has been trained to succeed in the workplace. A student earning the Work Ethic Certification their Senior year will earn a seal on his/her diploma and a medal to be worn at graduation.

### WHAT ARE THE REQUIREMENTS OF THE PROGRAM?

- A student must obtain no more than 2 unexcused absences
- A student must have zero behavior incidents
- A student must have no grades lower than a C on quarter or final grades posted on report card
- Participate in 2 of the following: School Team/Community Sport, School/Community extra-curricular activity, part-time job, or 10 community service hours
- Sign up for voluntary drug screenings each year with no positive result
- Complete Essential Skill requirement by completing all assigned SchoolLinks tasks.

### WHAT ARE THE ESSENTIAL SKILLS?

- Adaptability
- Diligence
- Initiative
- Knowledge
- Remaining Drug Free
- Reliability
- Working Well With Others



## BAMS Program

### WHAT IS THE BAMS PROGRAM?

The Bullitt Advanced Math and Science Program is an accelerated STEM + College-Credit Program. BAMS provides a rigorous combination of online content, traditional classroom instruction, and authentic and exciting hands-on scientific inquiry experiences through Bernheim Arboretum and Research Forest, General Electric Appliances, and the Kentucky Science Center amongst others. Additionally, through a partnership with JCTC Southwest, students have the unique opportunity to attain their diploma and an associates degree during their junior and senior years of high school.

### WANT ADDITIONAL INFORMATION?

- [BAMS Website](#)



BULLITT ADVANCED  
MATH + SCIENCE



# Advanced Placement (AP)

## WHAT IS THE ADVANCED PLACEMENT PROGRAM?

The College Board Advanced Placement Program is designed to provide all students with analytical skills and factual knowledge necessary to deal critically with problems and materials in college. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college courses. Students taking Advanced Placement classes with a BCPS High School are expected to set high goals and work diligently to attain these goals. In addition, students and parents must understand that an AP course takes an unwavering commitment and work ethic.

## WHAT AP COURSES DOES BCPS OFFER?

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science Principles
- AP Computer Science A
- AP English Language and Composition
- AP English Literature and Composition
- AP Environmental Science
- AP European History
- AP Human Geography
- AP Music Theory
- AP Physics 1: Algebra-Based
- AP Psychology
- AP Spanish Language
- AP Statistics
- AP Studio Art
- AP US History
- AP US Government
- AP World History

## WHAT SHOULD I KNOW ABOUT AP EXAMS?

Exams fees have increased to \$99. Currently, students that qualify for free and reduced lunch services do not have an exam fee cost. Click [here](#) for AP exam dates and state funding for standard-fee students is \$10 per exam.

AP students are required to take the AP exam in order for the weighted credit to be posted on academic transcripts. If a student does not take the exam then the course will be listed as the AP course title, but will be posted to the transcript as an unweighted grade.

## WHAT DO SCORES ON AP EXAMS MEAN?

While colleges and universities are responsible for setting their own credit and placement policies, AP scores signify how qualified students are to receive college credit or placement. Search [college and university credit policies](#) to determine credit and/or placement offered for qualifying AP exam scores.

- 5—Extremely Well Qualified
- 4—Well Qualified
- 3—Qualified
- 2—Possibly Qualified
- 1—No Recommendation

## Dual Credit Courses

### WHAT ARE DUAL CREDIT COURSES?

BCPS has numerous online dual credit options available. In partnership with colleges and universities, BCPS offers students opportunities to enroll in college coursework and earn both high school and college credit. Dual credit courses differ from Advanced Placement courses in that potential for earning college credit is not contingent upon an exam score. High school credit is awarded provided the student earns a passing grade in the course.

Dual Credit courses require a level of independence from the student. Since courses are taught through the college, students are responsible for application to the college, registration for courses and costs associated with the course. Additionally, students should be comfortable communicating with classmates, professors, academic advisor and/or dual credit coordinator as these are general expectations in a college course.

Dual Credit course cost varies based upon the affiliated college as do course offerings each semester. Students are expected to cover all costs associated with dual credit courses, including application fees, tuition, textbooks and travel.

### WHAT OPTIONS EXIST FOR TAKING DUAL CREDIT?

- On Campus - BCPS Partners with various post-secondary institutions to offer college courses to our students during the school day. BCPS partners with Elizabethtown Community and Technical College, Eastern Kentucky University, Jefferson Community and Technical College, Morehead State University, Murray State University, Campbellsville University and the University of Louisville.
- Off Campus - Juniors and Seniors with flexibility in their course schedule can choose to take college courses at local colleges or universities. Students are responsible for providing verification of their schedule as well as semester grades for inclusion on their high school transcript.

## Dual Credit Scholarship

The Dual Credit Scholarship provides assistance for Kentucky high school and home school students who are taking dual credit classes at a participating Kentucky college or university. Eligible students may receive scholarships for up to two classes.

### WHAT ARE THE REQUIREMENTS?

The student must:

- Be a Kentucky resident; and
- Be enrolled in a Kentucky public or private high school, or Kentucky home school, in grades 11 or 12; and
- Be enrolled, or approved for enrollment, in an approved dual credit class at a participating Kentucky college or university; and
- Complete a 30-minute college success counseling session each year a scholarship is awarded.



### WHAT CAN BE AWARDED?

- Equal to dual credit class amount charged by the participating college or university.
- Limited to two dual credit classes.
- May not be used for developmental, remedial or repeated classes.

### WHAT HAVE PARTICIPATING COLLEGES AND UNIVERSITIES AGREED TO?

- Charge no more than the dual credit tuition ceiling rate, which is 1/2 of the KCTCS hourly tuition rate (\$\$\$ per credit hour for the 2025-2026 year), for all dual credit classes taken by Kentucky high school and home school students regardless of scholarship eligibility.
- Charge no additional fees to dual credit students including, but not limited to, lab fees, special equipment and admission/application fees.

### HOW CAN I APPLY?

Kentucky public and private high school students taking dual credit classes will have their information sent to KHEAA identifying that they are taking dual credit course(s). KHEAA will then contact students to obtain college and semester preferences for scholarship use. Kentucky home school students should complete and submit the Dual Credit Scholarship application.

KHEAA will notify all applicants of their award or denial status.

Scholarship funds will be disbursed by KHEAA to the student's participating college or university upon receipt of enrollment verification.

## Work Ready KY Scholarship

### WHAT ARE THE REQUIREMENTS?

The student must:

- Be a Kentucky resident
- Be enrolled in a Kentucky high school
- Not be eligible for, or have exhausted eligibility for, the Dual Credit Scholarship program
- Be enrolled, or accepted for enrollment in, an approved dual credit course at an eligible institution
- Approved dual credit courses for the Work Ready Kentucky Scholarship are limited to Career and Technical Education coursework that is in a career pathway approved by the Kentucky Department of Education as leading to an industry-recognized credential

### WHEN DOES ELIGIBILITY EXPIRE?

- Upon receipt of scholarship funding for four academic terms;
- Upon receipt of the scholarship for 60 credit hours of enrollment;
- Upon receipt of a first associate's degree

### WHAT CAN BE AWARDED?

- Equal to the dual credit course amount charged by an eligible college or university
- Limited to two dual credit courses

### WHAT HAVE PARTICIPATING COLLEGES AND UNIVERSITIES AGREED TO?

- Charge no more than the dual credit tuition ceiling rate, which is 1/2 of the KCTCS hourly tuition rate for all dual credit courses taken by Kentucky high school students regardless of scholarship eligibility
- Charge no additional fees to dual credit students including, but not limited to, lab fees, special equipment, online fees and admission/application fees.

### HOW CAN I APPLY?

Kentucky public and private high school students taking dual credit classes will have their information sent to KHEAA identifying that they are taking dual credit course(s). KHEAA will then contact students to obtain college and semester preferences for scholarship use.

Funds are awarded on a first-come, first-served order based on the date students submit their scholarship preferences.

## Work-Based Learning

### **WHAT IS A SCHOOL-BASED ENTERPRISE?**

A school-based enterprise (SBE) is a simulated or actual business conducted within a school. It is designed to replicate a specific business or segment of an industry and assist students in acquiring work experience related to their chosen career cluster.

### **WHAT IS SHADOWING?**

Shadowing is learning through observation and is a way to form partnerships between employers and the local schools. Shadowing is an opportunity for a student to spend a limited amount of time with an individual in a chosen occupation in order to become familiar with the duties associated with that occupation, the physical setting of the occupation, and the compatibility of the occupation with his or her own career goals. Students should provide evidence of career shadowing as part of their senior project.

### **WHAT IS AN INTERNSHIP?**

Internships give students opportunities to explore careers via workplace learning experiences. Internships can be paid or un-paid, short-term work-based learning experience. One of the major purposes of internship is the opportunity to gain exploration experiences in one or more careers. Internships are longer than job shadowing, but are not considered long-term paid cooperative education placements.

### **WHAT IS COOPERATIVE EDUCATION?**

a paid educational program consisting of in-school instruction combined with program related on-the-job work experience in an authentic business or industrial establishment. A Co-op position places a student for a longer period of time (semester or year-long) while a student may receive up to two credits in an approved career pathway. The fundamental purpose of cooperative education is to provide opportunities for students to learn within authentic work conditions and to develop occupational competencies (attitudes, technical skills, and knowledge) needed to be successful in their chosen career.



## Work-Based Learning, cont.

### **WHAT IS AN APPRENTICESHIP?**

A partnership between The Office of Career and Technical Education and The Kentucky Labor Cabinet to provide pre-apprenticeship opportunities to secondary students. This is a SKILLS TRADE industry-driven program to create a pipeline for students to enter post-secondary apprenticeship training. The unique feature of the apprenticeship concept is that on-the-job training is supplemented with technical classroom instruction. Apprentices work under the supervision of qualified journey workers to develop their chosen trade or skill and learn the techniques, materials, and equipment associated with that trade. An agreement between the Kentucky Department of Education and global human resource agency Adecco will pave the way for Kentucky high school students to gain valuable work experience through cooperative education opportunities and pre-apprenticeship programs.

### **WHAT IS A CLINICAL EXPERIENCE?**

These are unpaid field experiences typically in our health occupations/pathways and are designed to integrate meaningful work-site experiences with prior knowledge. A BCPS teacher will be on-site with the students. The student receives a grade for the experience as a component of the related health class. The teacher and the affiliating agency coordinator complete the records for evaluation and attendance. An example would be a health student completing related experience at a hospital during school hours and is being supervised by a hospital employee.

### **WHAT IS THE SCHOOL-TO-WORK PROGRAM?**

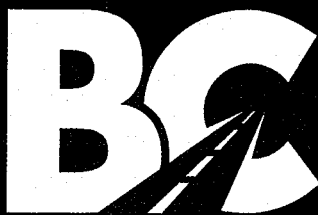
A paid work experience for seniors that are in good academic standing, are on track to graduate, and have met the college and/or career ready requirements or are in an CCR intervention program as assigned by the school level staff. BCPS values real – world experiences and opportunities to develop occupational skills, knowledge, resilience and work ethic.

**[Click here](#) to view the BCPS Work-Based Learning Manual.**



BULLITT COUNTY PUBLIC SCHOOLS

# Course Offerings



MOVING FORWARD

# Course Offerings

English/Language Arts	<u>30</u>
Mathematics	<u>32</u>
Social Studies	<u>34</u>
The Sciences	<u>36</u>
Wellness	<u>39</u>
World Languages	<u>40</u>
Fine Arts	<u>42</u>

# English Language Arts

## English 1

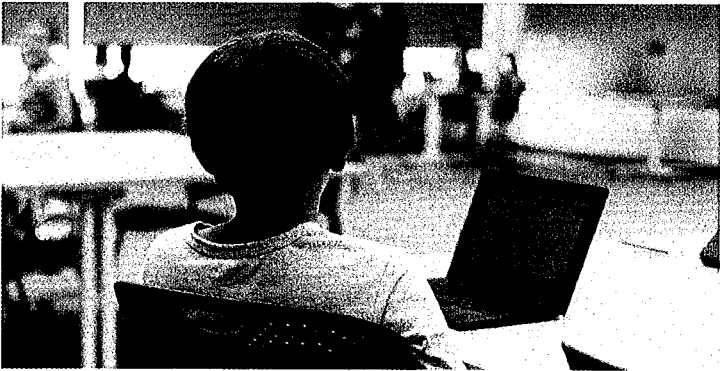
Grade Level	9	Credits	1
Required?	Yes		

This course emphasizes reading, speaking, listening, writing, research, and thinking skills with assignments designed to challenge each student at his or her level of ability. Literature studied at this level is organized thematically and selected to reflect America’s cultural diversity.

## English 1, Honors

Grade Level	9	Credits	1
Required?	Can replace English 1		

This course is designed for students who wish to develop the critical thinking, reading and writing skills required for success in college. The four areas of emphasis in this course are developing critical thinking and reading skills through an intensive reading program of novels, short stories, poetry, drama, and non-fiction; building competency in grammar; improving vocabulary knowledge; developing analytical, narrative, expository and imaginative writing skills. A summer reading assignment may be assigned after registration.



## English 2

Grade Level	10	Credits	1
Required?	Yes		

This course emphasizes reading, speaking, listening, writing, research, and thinking skills with assignments designed to challenge each student at his or her level of ability.

## English 2, Honors

Grade Level	10	Credits	1
Required?	Can replace English 2		

English Honors builds on the reading, writing, listening, and thinking skills fostered in English I Honors through a study of literary genres that come predominantly from American literature, through a study of grammar and through class discussions, projects, presentations, independent reading, research and writing.

## English Language Arts, cont.

### English 3

<b>Grade Level</b>	11	<b>Credits</b>	1
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<b>Required?</b>	Yes
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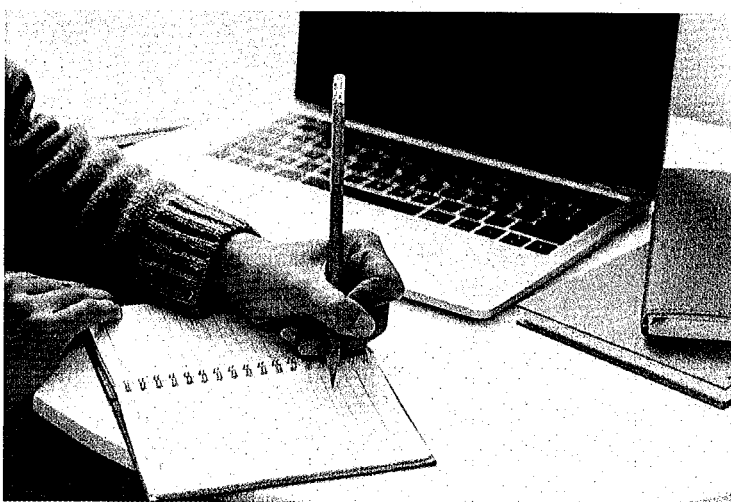
This course emphasizes reading, speaking, listening, writing, research, and thinking skills with assignments designed to challenge each student at his or her level of ability. Literature studied at this level is organized thematically and selected to reflect America's cultural diversity.

### AP English 3, Language & Comp

<b>Grade Level</b>	11	<b>Credits</b>	1
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<b>Required?</b>	Can replace English 3
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This course is designed to be a preparatory class for students intending to take the AP Language & Composition exam. College credit can be earned for an acceptable score on the AP Language and Composition test given through the College Board. The curriculum focus of AP English III will be writing, American literature, and nonfiction prose analysis.



### English 4

<b>Grade Level</b>	12	<b>Credits</b>	1
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<b>Required?</b>	Yes
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This course emphasizes reading, speaking, listening, writing, research, and thinking skills with assignments designed to challenge each student at his or her level of ability. Literature studied at this level is organized thematically and selected to reflect America's cultural diversity.

### AP English 4, Literature & Comp

<b>Grade Level</b>	12	<b>Credits</b>	1
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<b>Required?</b>	Can replace English 4
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AP English students can earn credit for English IV and prepare to take the Advanced Placement English Literature and Composition Exam for college credit. Literature is organized thematically and includes works from several cultures. The major focus of the course is literary analysis. The workload is substantially greater than English IV and includes a summer reading requirement.

# Mathematics



## Algebra 1

Grade Level	9	Credits	1
Required?	Yes		

This course is designed so students can attain all the concepts contained in the Kentucky Core Academic Standards in order to earn the high school graduation credit for Algebra 1.

## Algebra 1, Honors

Grade Level	9	Credits	1
Required?	Can replace Algebra 1		

This Algebra I course will cover the same standards as Algebra I plus additional standards to give the student a more in-depth experience. This course is at a more rigorous level and accelerated pace by providing extensions and enrichment.

## Geometry

Grade Level	9-11	Credits	1
Required?	Yes		

Geometry is a branch of mathematics that deals with the measurement, properties, and relationships of points, lines, angles, surfaces, and solids. This course is designed so the students can develop skills and concepts in the Kentucky Core Academic Standards for Mathematics in order to earn the high school graduation credit for Geometry.

## Geometry, Honors

Grade Level	9-11	Credits	1
Required?	Can replace Geometry		

This course will cover the same standards as Geometry plus additional standards to give the student a more in-depth experience. This course is at a more rigorous level and accelerated pace by providing extensions and enrichment.

## Algebra 2

Grade Level	9-11	Credits	1
Required?	Yes		

This course is designed so students develop the relevant skills and concepts from the Kentucky Core Academic Standards beyond Algebra 1 and then builds on those skills and concepts in a rigorous manner

## Algebra 2, Honors

Grade Level	9-11	Credits	1
Required?	Can replace Algebra 2		

This course will cover the same standards as Algebra II plus additional standards to give the student a more in-depth experience. This course is at a more rigorous level and accelerated pace by providing extensions and enrichment.



## Mathematics

### Algebra 3

Grade Level	11-12	Credits	1
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**Required?** Can count as 4th Math Course

This course is designed for students who are intending to attend college and in need of additional preparation in order to be successful in credit-bearing College Algebra, or for students who feel in need of additional preparation to take College Algebra. The content goes beyond a traditional Algebra 2 course.

### Pre-Calculus

Grade Level	10-12	Credits	1
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**Required?** Can count as a 3rd or 4th Math Course

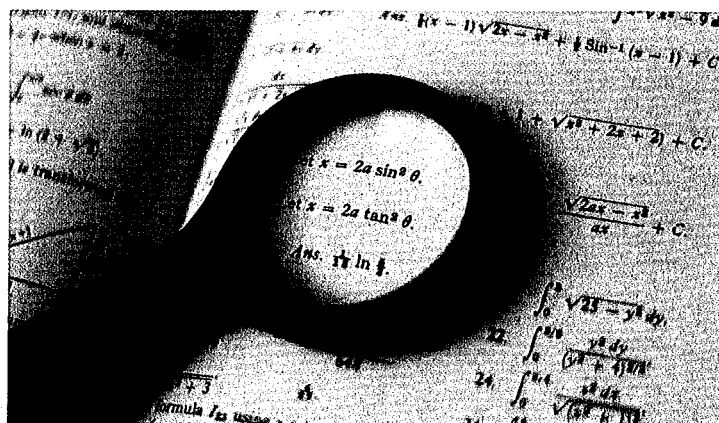
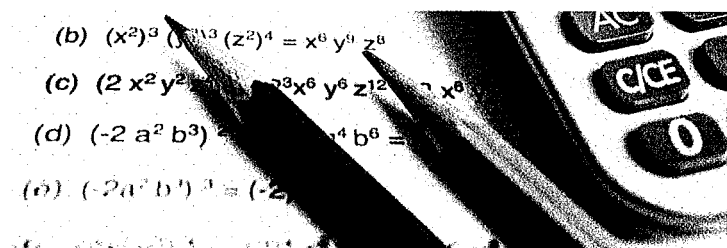
This course is designed for students to attain the concepts necessary to be successful in a Calculus course, an AP Calculus course or a College Calculus course.

### AP Calculus AB

Grade Level	11-12	Credits	1
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**Required?** Can count as a 3rd or 4th Math Course

This course is designed to address all the concepts delineated in the College Board guidelines for the AB Calculus examination.



### AP Calculus BC

Grade Level	11-12	Credits	1
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**Required?** Can count as a 3rd or 4th Math Course

This course is designed to address all the concepts delineated in the College Board guidelines for the BC Calculus examination.

### AP Statistics

Grade Level	11-12	Credits	1
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**Required?** Can count as a 3rd or 4th Math Course

Any student who has completed Algebra II is eligible to take AP Statistics, though college-bound students will benefit the most from it. This course offers students the opportunity to use math to do the type of high-level thinking and analysis that is required by a growing number of today's more desirable careers. Statistics is unique, exciting, and unlike any other math class. AP Statistics covers the following four areas:

- 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

## Social Studies

### Integrated Social Studies

Grade Level	9	Credits	1
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Required?	Yes
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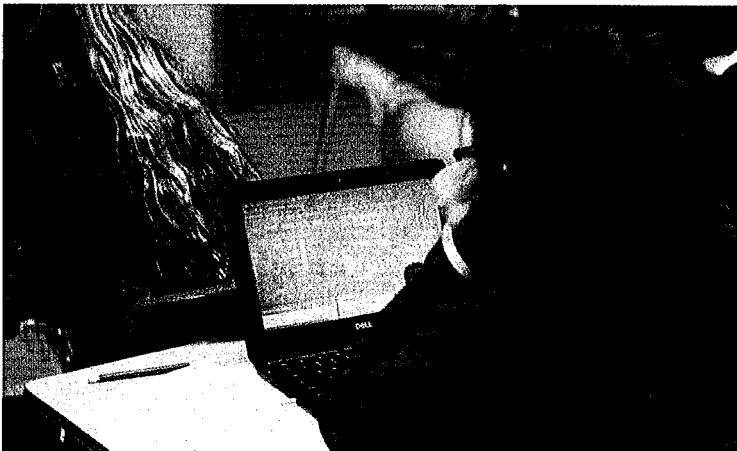
This course is designed for freshman students. Approximately one-third of the course will be focused on Civics Core Content i.e. Democratic Governments, Distribution of Power, and Conflicting Rights. The second-third of the course will focus on Economics Core Content i.e. Scarcity, Economic Systems, Supply and Demand, and Productivity. The final portion of the course will focus on Geography Core Content i.e. Geographic Analysis, Geography and Culture, Human Migration, Overcoming the Environment, and Natural Resources.

### Integrated Social Studies, Honors

Grade Level	9	Credits	1
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Required?	Can replace Integrated SS
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This Honors course will cover the same standards as Integrated SS. However the content, will be covered at more rigorous level and accelerated pace by providing extensions and enrichment.

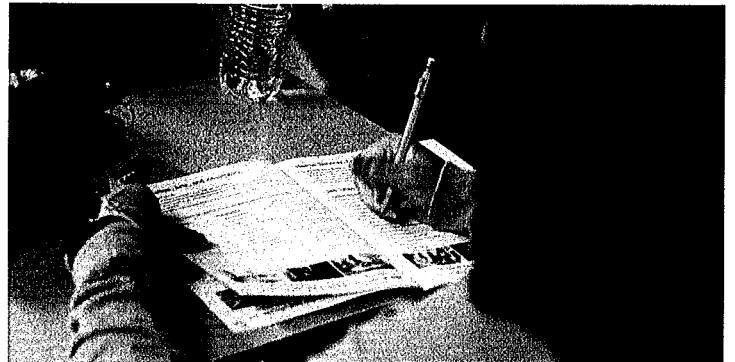


### AP Human Geography

Grade Level	9-12	Credits	1
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Required?	Can replace Integrated SS
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The purpose of AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped our human understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their science and practice.



### World Civilization

Grade Level	10-12	Credits	1
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Required?	Yes
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Get ready to go global! Welcome to World History! This course takes you through 10,000 years of history to examine how the world became what it is today. This course will change your perspective on our global society because we take a look at the world as a whole with many small parts. You will investigate, analyze, and synthesize your understandings of the world.



# Social Studies

## AP World History

Grade Level	10-12	Credits	1
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Required?	Can replace World Civ
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To global citizenship and beyond! Advanced Placement World History is a survey of the history of the world focusing on social, cultural, and political aspects; ancient and modern history; the study of western and non-western civilizations; and current events. College credit earned with successful completion of the AP exam.

## AP European History

Grade Level	10-12	Credits	1
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Required?	Can replace World Civ
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AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like Interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.



## US History

Grade Level	10-12	Credits	1
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Required?	Yes
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History course is a whirlwind study of what makes America beautiful. We will start with the colonization of the New World and working through 239 years of American History. This course will provide you with an overview of government institutions, important dates in American History, and how it all relates to the country we're living in today.

## AP US History

Grade Level	10-12	Credits	1
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Required?	Can replace US History
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What is the nature of human conflict? What caused the American Civil War? Does industrialization and progress cause immorality? How is history impacted by social, political and economic change? These are some of the questions you will encounter in AP U.S. History. This college-level class is an overview of American History from colonization to present day. You will be able to deal critically with the problems and materials in U.S. history through analyzing and interpreting historical documents and events. You can earn college credit with successful completion of AP exam. You will also be prepared for the End of Course Assessment (EOC) taken as the final exam.

# The Sciences



## Earth Space Science

Grade Level	9-12	Credits	1
Required?		Yes	

Students develop a conceptual understanding of Earth/space science, as outlined in the Kentucky Academic Standards for Science, through the use of science and engineering practices. They experience Earth/space concepts such as energy in the Earth system, geochemical cycles, formation and ongoing changes of the Earth system, and formation and ongoing changes of the universe. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

## AP Environmental Science

Grade Level	9-10	Credits	1
Required?		No	

This AP course focuses on earth systems & resources, the living world, population, land & water use, energy resources and consumption, pollution and global change. A scientific inquiry approach uses concrete hands-on experiences that require students to apply critical thinking skills.

## Biology 1

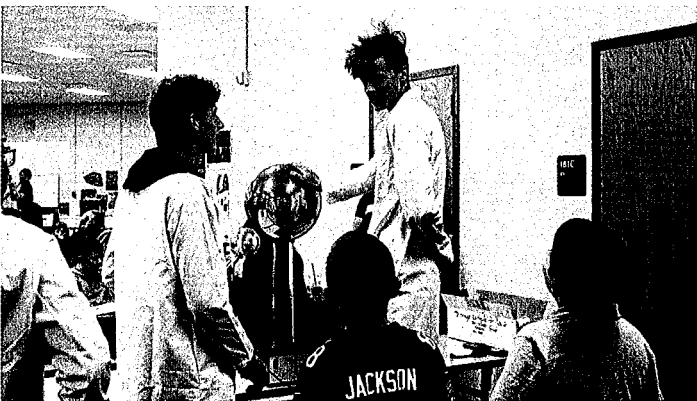
Grade Level	9-12	Credits	1
Required?		Yes	

Students develop a conceptual understanding of life science, as outlined in Kentucky's Program of Studies, through the use of scientific inquiry. They experience life science concepts such as the cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior of organisms. A scientific inquiry approach uses concrete, hands-on experiences that require students to apply critical-thinking skills.

## Biology 1, Honors

Grade Level	9-12	Credits	1
Required?		Can replace Biology 1	

This course allows students to attain all the concepts contained in the description for Life Science/Biology, with the opportunity to progress at an accelerated pace and a more rigorous level.



# The Sciences

## AP Biology

<b>Grade Level</b>	9-12	<b>Credits</b>	1
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<b>Required?</b>	Can replace Biology 1
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AP Biology is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. It aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. AP Biology is representative of the topics covered by the AP exam.

## Chemistry 1

<b>Grade Level</b>	10-12	<b>Credits</b>	1
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<b>Required?</b>	Yes
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This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, included in the Program of Studies, through the use of scientific inquiry. Chemistry I is a required course for those wanting to take AP Chemistry and AP Biology their junior or senior year.

## Chemistry 1, Honors

<b>Grade Level</b>	12	<b>Credits</b>	1
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<b>Required?</b>	Can replace Chemistry 1
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This course will cover the same standards as Chemistry 1. However the content, will be covered at more rigorous level and accelerated pace by providing extensions and enrichment.

## AP Chemistry

<b>Grade Level</b>	12	<b>Credits</b>	1
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<b>Required?</b>	Can replace Chemistry 1
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AP Chemistry is the equivalent to a general Chemistry course usually taken in the first year of college. It is designed to comply with College Board recommendations to prepare students for an AP Exam in Chemistry. The course helps build students' understanding of the nature and reactivity of matter. The course begins with the structure of atoms, molecules, and ions; then students explore how that structure lets us predict and quantify the chemical reactions that substances undergo. AP Chemistry will enable you to develop an understanding of chemical concepts and become skilled at solving quantitative chemical problems through a combination of instructional activities. AP Chemistry is a full credit, two-semester course.

## Forensic Chemistry

<b>Grade Level</b>	11-12	<b>Credits</b>	1
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<b>Required?</b>	Can replace Chemistry 1
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The purpose of this course is to give students a look into Forensic Science through the lens of Chemistry. Students will be exposed to all required chemistry standards but with less math focus. Students will perform real-life forensics applications that allow students to demonstrate their knowledge while in the classroom. Students and parents should be aware of mature content in this class.

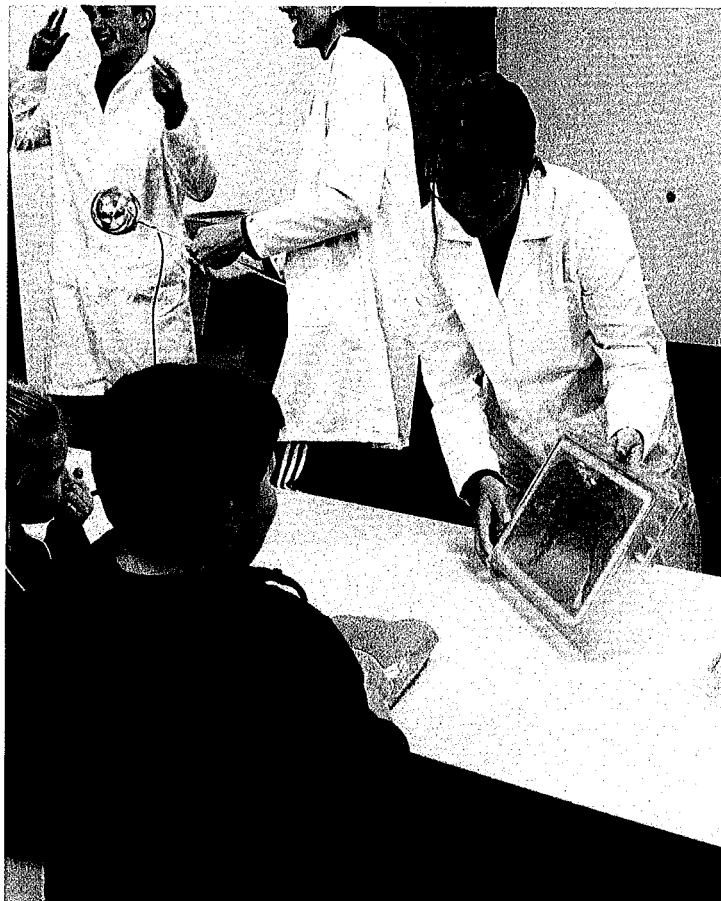
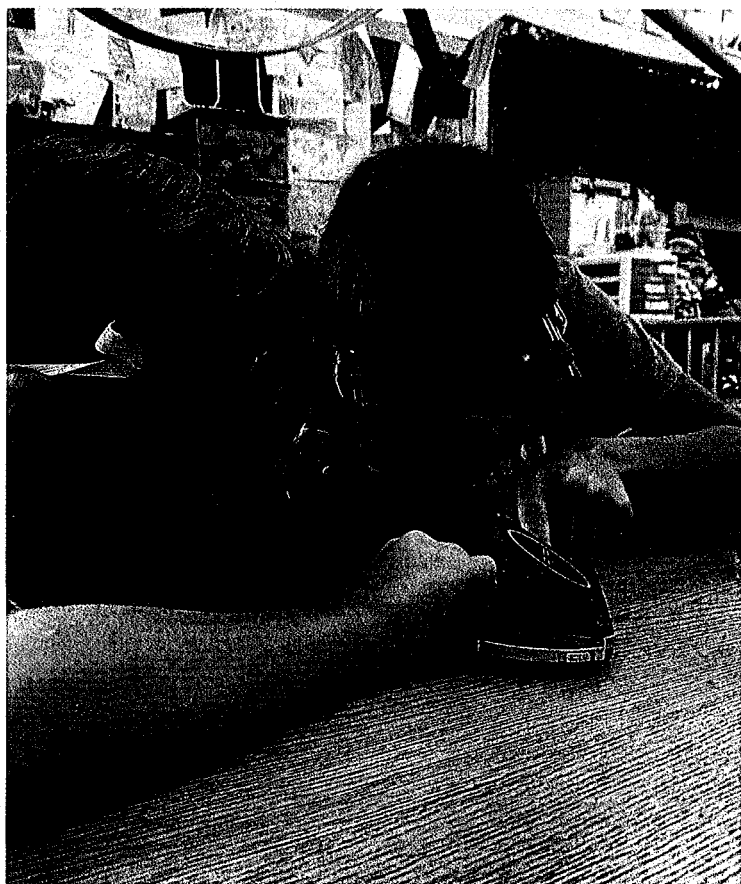
## The Sciences, cont.

### Physics 1

<b>Grade Level</b>	10-12	<b>Credits</b>	1
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<b>Required?</b>	No
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Prerequisite: Biology and Geometry or Algebra 2. Recommended for juniors and seniors. This course focuses on the main concepts involved in mechanics such as speed, accelerated motion, relativity, and Newton's laws of motion. These focuses will be laboratory based making use of some of the newest computer and calculator technologies. The course will also include some topics in magnetism, nuclear physics, and modern physics. By using appropriate technology throughout, the student will gain a working knowledge of physics through real-life experiences.



### AP Physics 1

<b>Grade Level</b>	10-12	<b>Credits</b>	1
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<b>Required?</b>	No
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Prerequisite: Physics Recommended. This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, power; mechanical waves and sound; and introductory, simple circuits. This course is a must for anyone pursuing post-secondary studies in engineering or medical fields.

# Wellness

## Health Education 1

Grade Level	9	Credits	0.5
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Required?	Yes
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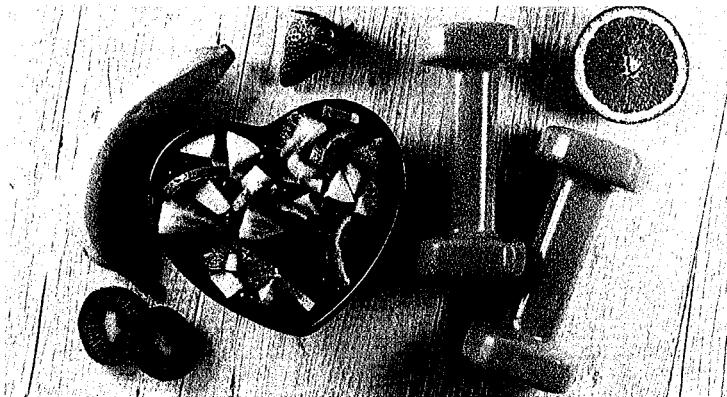
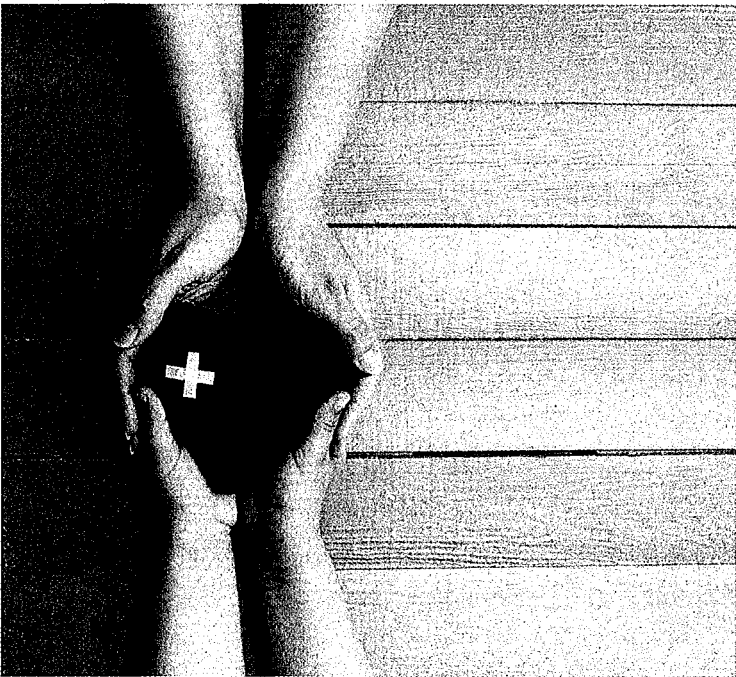
Health I addresses the topics of mental health, drugs, alcohol and tobacco, sex education, sexually transmitted diseases, infectious diseases, safety and first aid, cardiopulmonary resuscitation(CPR), nutrition, consumer health and non-infectious diseases.

## Physical Education 1

Grade Level	9	Credits	0.5
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Required?	Yes
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Physical Education I involves the teaching of lifetime leisure sports, individual sports and team sports. Skills learned will be reinforced and advanced skills will be introduced.



## Athletic Conditioning

Grade Level	9-12	Credits	1
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Required?	No
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This course emphasizes improvement in flexibility, strength, and endurance. Weight training fundamentals are included with safety highlighted throughout the course. Periodic assessments are made so students can see progress.

## Advanced Physical Education

Grade Level	10-12	Credits	1
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Required?	No
-----------	----

**PREREQUISITE:** Physical Education I  
Physical Education II is designed for students who desire to develop advanced skills in selected games and sports including physical fitness, individual sports, team sports, and lifelong health. The main emphasis of this class is on lifetime sports that promote overall good health and fitness. Advanced Physical Education is designed for students who have a genuine desire to develop their interest and skills to an advanced level to enjoy the physical activities and to pursue a career interest.



# World Languages

**Important Note:** Two years of the same foreign language are recommended for most colleges.



## Spanish 1

Grade Level	9-12	Credits	1
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Required?	Recommended for pre-college
-----------	-----------------------------

Spanish I introduces listening, speaking, reading and writing language skills within a cultural context. Included in the instruction of the Spanish language will be an overview of the art, music, history, geography, and elements of daily life in Spanish speaking countries.

## Spanish 2

Grade Level	10-12	Credits	1
-------------	-------	---------	---

Required?	Recommended for pre-college
-----------	-----------------------------

**PREREQUISITE:** Spanish I  
Spanish II reinforces and builds on listening, speaking, reading and writing language skills within a cultural context. Students develop insight into their own language and culture.

## Spanish 3

Grade Level	10-12	Credits	1
-------------	-------	---------	---

Required?	No
-----------	----

**PREREQUISITE:** Spanish II  
Spanish III further develops listening, speaking, reading and writing language skills within a cultural context, with a greater emphasis on reading and writing. Another focus is fostering independent work and practice in the fundamentals of translating, conversing, and writing. Hispanic literature will be introduced.

## Spanish 4

Grade Level	12	Credits	1
-------------	----	---------	---

Required?	No
-----------	----

This course prepares students to perform interpersonal, interpretive and presentational communicative tasks within the intermediate range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures.

## AP Spanish Language & Culture

Grade Level	11-12	Credits	1
-------------	-------	---------	---

Required?	No
-----------	----

Prepares students for the Advanced Placement exam. Prepares students to understand and use the complexities of the Spanish language fluently and accurately to perform communicative tasks. The course engages students in an exploration of culture in contemporary and historical contexts, developing students' awareness and appreciation of tangible and intangible products, practices and perspectives.

# World Languages

## French 1

Grade Level	9-12	Credits	1
-------------	------	---------	---

Required?	Recommended for pre-college
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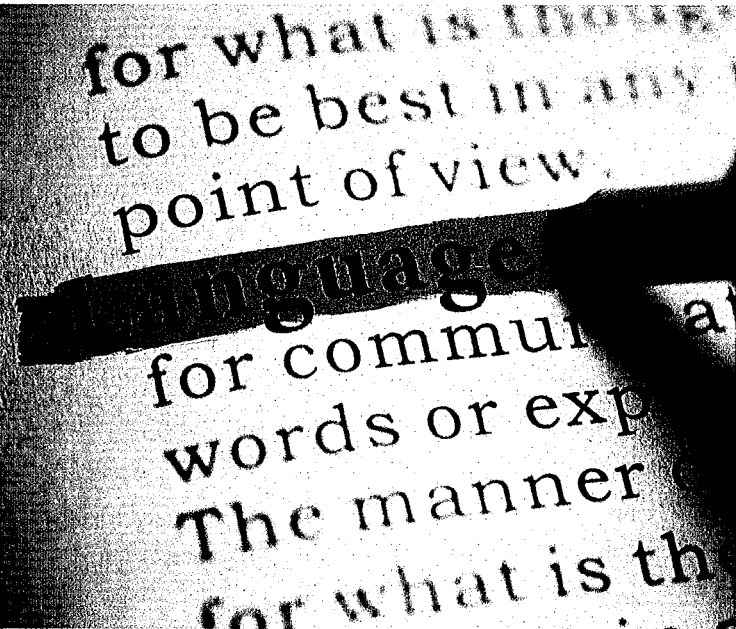
French I introduces listening, speaking, reading and writing language skills within a cultural context. Included in the instruction of the French language will be an overview of the art, music, history, geography, and elements of daily life in French speaking countries.

## French 2

Grade Level	10-12	Credits	1
-------------	-------	---------	---

Required?	Recommended for pre-college
-----------	-----------------------------

**PREREQUISITE:** French 1  
French II reinforces and builds on listening, speaking, reading and writing language skills within a cultural context. Students develop insight into their own language and culture.



## German 1

Grade Level	9-12	Credits	1
-------------	------	---------	---

Required?	Recommended for pre-college
-----------	-----------------------------

German I introduces listening, speaking, reading and writing language skills within a cultural context. Included in the instruction of the German language will be an overview of the art, music, history, geography, and elements of daily life in German speaking countries.

## German 2

Grade Level	10-12	Credits	1
-------------	-------	---------	---

Required?	Recommended for pre-college
-----------	-----------------------------

**PREREQUISITE:** German 1  
German II reinforces and builds on listening, speaking, reading and writing language skills within a cultural context. Students develop insight into their own language and culture.

# Fine Arts

## Art History and Appreciation

Grade Level	9-12	Credits	1
Required?		Yes	

A study of the humanities through the arts (dance, drama, music, and visual art). Addresses the structures, humanities, purposes, creative processes and interrelationships of the visual and performing arts.

## Introduction to Theatre

Grade Level	9-12	Credits	1
Required?		No	

This course is designed to develop a knowledge of theatrical concepts and techniques that will enable students to create new theater pieces, perform existing theater works and respond to both studio exercises and performances. Theatre covers multiple styles of dramatic literature and uses a variety of connections to historical and cultural contexts.

## Advanced Theatre

Grade Level	10-12	Credits	1
Required?		No	

Prerequisite: Intro to Theater. This course is designed to develop knowledge of theatrical concepts and techniques that will enable students to create new theater pieces, perform existing theatre works and respond to both studios exercises and performances at a proficient level. The course builds on the foundational skills of Intro to Theater engaging students with a deeper level of exploration of acting and directing skills.

## Visual Art 1-4

Grade Level	9-12	Credits	1 each
Required?		No	

Visual Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Courses address design elements and principles, language, materials, and processes used to produce various kinds of visual arts. As students advance they are encouraged to develop their own creative styles. Although the focus of most of these courses is on production of art, study of the structures, purposes, humanities, processes, are included. Career opportunities in visual art are also explored.

## Art Studio

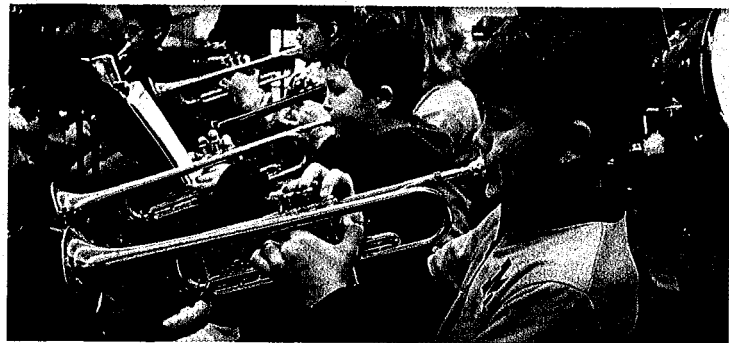
Grade Level	10-12	Credits	1
Required?		No	

The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed.





Fine Arts



Concert Band

Grade Level	9-12	Credits	1
Required?		No	

The Concert Band is an instrumental ensemble comprised of students in grades 9-12. This course is specifically designed to promote students' playing technique for brass and woodwind instruments, and cover a variety of musical styles primarily for concert performances. This course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.

Symphonic Band

Grade Level	10-12	Credits	1
Required?		No	

The Symphonic Band is comprised of students in grades 10-12 whose musical commitment is the performance of quality wind band music at an extraordinary performance level. This course seeks to enhance and encourage each student's understanding of instrumental musical concepts and terms with an emphasis on rehearsals and performances combined with group methods and instruction. This course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.

Percussion Ensemble

Grade Level	9-12	Credits	1
Required?		No	

Prerequisite: Students must have taken band and/or played percussion in middle school. The purpose of this course is for its participants to improve musical proficiency in the area of percussion performance, expand upon knowledge and principles of music and musicianship, provide a performance experience in percussion, experience literature for percussion ensemble, and build musicianship and technique through small ensemble performance. This course covers the structures, humanities, purposes, processes, and interrelationships of the arts as they apply to music.

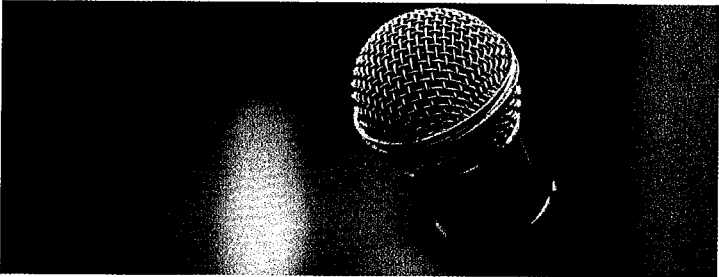


# Fine Arts

## Vocal Ensemble

Grade Level	9-12	Credits	1
Required?		No	

Class time will be split between choral rehearsal and instruction in the components involved in creating vocal music.



## Advanced Vocal Ensemble

Grade Level	10-12	Credits	1
Required?		No	

Students in advanced chorus develop musicianship and specific performance skills through ensemble singing. Activities in this class create the development of quality repertoire in the diverse styles of choral music appropriate in difficulty and range for the students. The repertoire for this choir is of the highest caliber and ranges from classical to Broadway show tunes to pop. Emphasis is placed on a cappella singing, advanced sight-reading and listening skills. The chorus provides instruction in vocal technique and music reading skills. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professional and quality music groups during and outside of the school day.

## Music Theory

Grade Level	9-12	Credits	
Required?		No	

This course is designed for students interested in learning the basics in music notation, melody, rhythm, and how music is constructed. Students with some background in music will learn how to read music, the proper method to write, read, and listen to music. The course introduces students to musicianship, theory, musical materials, and procedures. It will emphasize aspects of music, such as harmony; and integrates aspects of melody, texture, rhythm, form, musical analysis, elementary composition, history, and style. The student's ability to read and write musical notation is fundamental to such a course.





BULLITT COUNTY PUBLIC SCHOOLS

# Career Pathways

**BC**

MOVING FORWARD

# Career & Technical Education

Registered Apprenticeships	<u>47</u>
BCHS Career Pathways	<u>52</u>
BEHS Career Pathways	<u>74</u>
NBHS Career Pathways	<u>94</u>
ATC Career Pathways	<u>111</u>
Hybrid ATC Pathways	<u>120</u>
ATC College Cohorts	<u>125</u>
CDL Course Option	<u>140</u>
CRC/BVLA Career Pathways	<u>142</u>

Wallon

Industrial Maintenance Technology

SEPTEMBER 28, 2023

WELCOME  
CHAMBER  
OF  
COMMERCE

- 4- Single After
- 3- Employable
- 2- New Hire
- 1- Unemployable

SIMULATED

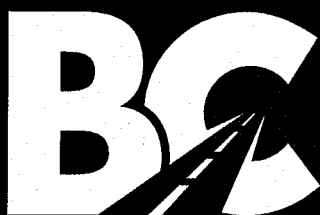
WEDNESDAY

presentations  
15  
of Commerce



**BULLITT COUNTY PUBLIC SCHOOLS**

# District Apprenticeships



MOVING FORWARD

# Registered Apprenticeships

Registered ECE Apprenticeship	<u>49</u>
Registered IT Apprenticeship	<u>50</u>
Registered Teacher Apprenticeship	<u>51</u>

## Registered ECE Apprenticeship

### WHO CAN ENROLL?

Students from all high schools may enter into registered apprenticeships.

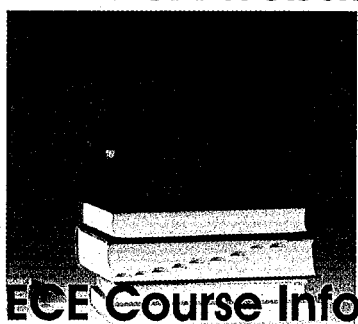
### WHY SHOULD STUDENTS PARTICIPATE IN AN ECE APPRENTICESHIP PROGRAM?

This program serves as the post-secondary training entry-level positions in the early childhood education industry. Students have the opportunity to work with an innovative employer who is investing in their skills and experiences in the field. Students earn wages through their on-the-job training hours that are fulfilled at Today's Kids and Bluegrass Center of Autism. Students earn a Child Development Specialist Certificate with the Today's Kids. Once a student graduates high school, apprentices will begin working full-time at the center.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Bluegrass Center for Autism
- Today's Kids

### WHERE CAN I FIND MORE INFORMATION?



## Registered IT Apprenticeship

### WHAT IS A MODERN APPRENTICESHIP?

A modern apprenticeship is an employee training program that combines on-the-job training and classroom instruction under the supervision of an experienced industry professional. It is a proven strategy for recruiting, training, and retaining employees - perfect for filling your pipeline with highly-skilled, diverse, and productive workers. Businesses of all sizes engage modern apprentices. Over 250 modern apprenticeship programs are currently registered in Kentucky, with over 3,500 apprentices across a broad range of industries. In fact, since the US Department of Labor started keeping track in 2007, more than 16,000 people of all ages (including newly employed and incumbent workers) have served Kentucky's employers in an apprentice capacity.

### WHAT IS THE IT APPRENTICESHIP?

Bullitt County Public Schools is in the process of establishing an apprenticeship program with their technology department. For more information, please contact Kevin Fugate, Director of Technology, at (502)869-8000.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Computer Software Engineer
- Database Developer
- Computer Hardware Engineer
- Computer Network Specialist
- Computer Scientist
- Web Developer
- Information Security Analyst
- Computer Programmer
- IT Project Manager

### WHERE CAN I FIND MORE INFORMATION?

[Course Sequence](#)

[Work Processes](#)



## Registered Teacher Apprenticeship

### WHO CAN ENROLL?

Students from all high schools may enter into registered apprenticeships.

### WHY SHOULD STUDENTS PARTICIPATE IN A TEACHER APPRENTICESHIP PROGRAM?

This apprenticeship program measures progress based on the apprentice's demonstrated ability to perform the duties associated with the occupation. This approach combines on the job training (Work Process) with classroom instruction (Related Technical Instruction) - which is a proven strategy for recruiting, training, and retaining employees. Apprentices earn wages through their on the job training hours that are fulfilled in the classroom setting (Work Process) and can continue working in BCPS after graduation. Graduates will earn a teaching certification at the end of the program.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Bullitt County Public Schools

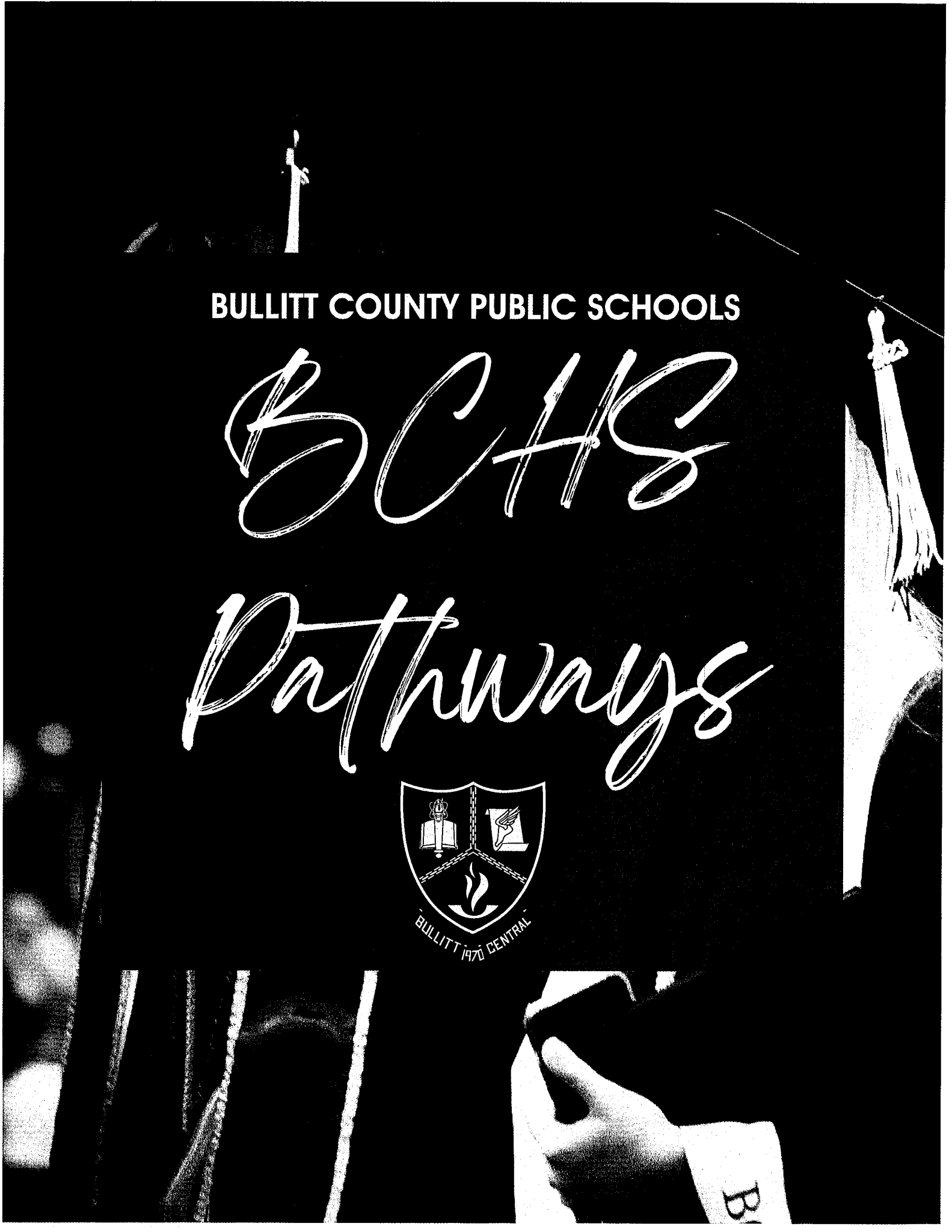
### WHERE CAN I FIND MORE INFORMATION?

- [Teacher Apprenticeship Overview](#)
- [Apprenticeship Model: Exploring the Possibilities](#)



BULLITT COUNTY PUBLIC SCHOOLS

# BCHS Pathways



## BCHS Career Pathways

Accounting; Administrative Support	<u>54/55</u>
Allied Health; Ag Technical Systems	<u>56/57</u>
Animal Science Systems; Automation Eng.	<u>58/59</u>
Culinary/Food Services; Early Childhood Edu.	<u>60/61</u>
EKG Technology; Electrical/Electronics	<u>62/63</u>
Fashion & Interior Design; JROTC	<u>64/65</u>
Management/Entrepreneurship; Marketing	<u>67/68</u>
Patient Care Tech	<u>69/70</u>
Pharmacy Tech; Plant Science Systems	<u>71/72</u>
Teaching & Learning	<u>73</u>

# Accounting

## CIP 52.0301.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Accounting & Finance Foundations, 060122 or ACT 101 (JCTC) (Full-Year)(1 Credit)
- Advanced Accounting, 070125 OR ACC 201 (Full-Year)(1 Credit)
- Personal Finance (CTE Credit), 060170 or BAS 120 (JCTC) (Semester)(1 Credit)
- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)

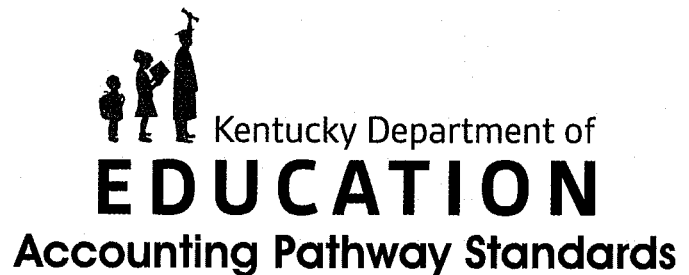
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Accounting

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Administrative Support CIP 52.0401.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Accounting & Finance Foundations, 060122 or ACT 101 (JCTC) (Full-Year)(1 Credit)
- Business and Marketing Essentials, 060111 (Semester)(1 Credit)
- Introduction to Management, 060411 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Administrative Support

### IS THERE AN INDUSTRY CERTIFICATION?

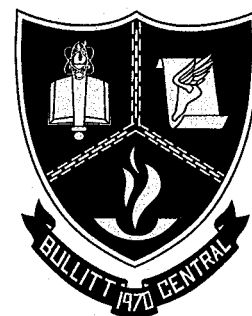
No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Allied Health CIP 51.0000.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Anatomy, 302631 (Semester)(1 Credit)
- Allied Health Core Skills 170501 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NOCTI Healthcare Core

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Ag Technical Systems CIP 01.0201.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Semester)(1 Credit)
- Small Power and Equipment, 010231 (Semester)(1 Credit)
- Agriculture Structures and Design, 010211 (Semester)(1 Credit)
- Agriculture Power and Machinery Operation, 010212 (Semester)(1 Credit)

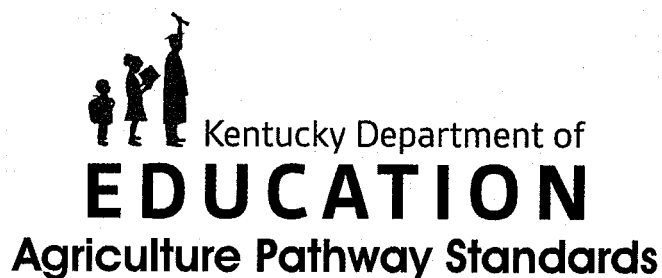
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Ag Power Structured Tech Systems

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



# Animal Science Systems

## CIP 01.0901.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Semester)(1 Credit)
- Animal Science, 020501 or AGR 100 (Murray State) (Semester)(1 Credit)
- Small Animal Technology, 020503 (Semester)(1 Credit)
- Veterinary Science, 020511 or AGR 182 (Murray State) (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Animal Science

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



**MSU Information**



Kentucky Department of

**EDUCATION**

**Animal Sci Pathway Standards**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Automation Engineering CIP 14.0801.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Engineering I (Introduction to Engineering Design PLTW), 210221 or BRX 120 (JCTC) (Semester)(1 Credit)
- Engineering II (Principles of Engineering PLTW), 210222 (Full-Year)(1 Credit)
- Manufacturing Engineering, 210225 (Full Year)(1 Credit)
- Engineering Capstone, 210110 (Full-Year)(1 Credit)

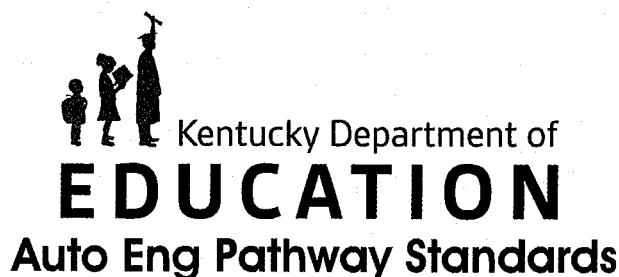
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Automation Engineering

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Culinary/Food Services

### CIP 12.0500.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Foods & Nutrition, 200441 (Semester)(1 Credit)
- Culinary Arts I, 200411 (Full-Year, 2 Blocked Periods)(1 Credit)
- Culinary Arts II, 200412 (Full-Year, 2 Blocked Periods)(1 Credit)
- Advanced Foods & Nutrition, 200442 (Semester)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

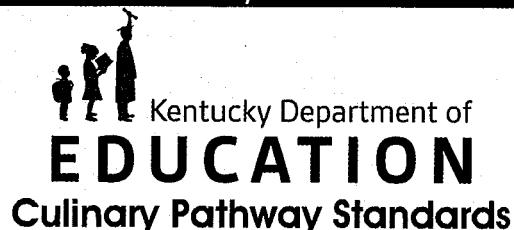
Yes - Culinary and Food Services

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- AAFCS Pre PAC Culinary Arts
- Servsafe Manager Credential

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Early Childhood Education

### CIP 13.1210.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Early Lifespan Development, 200223 (Full-Year)(1 Credit)
- Child Development Services I, 200261 (Semester)(1 Credit)
- Child Development Services II, 200262 (Semester)(1 Credit)
- FACS Essentials, 200113 (Semester)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Early Childhood Education

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- Commonwealth Child Care Credential - Certificate of Eligibility
- KY Early Care and Education Orientation
- Pediatric Abusive Head Trauma
- AAFCS Pre-PAC Early Childhood

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## EKG Technology CIP 51.0902.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- EKG Technician, 170555 (Full-Year)(1 Credit)
- Anatomy (Science course), 302631 (Semester)(1 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Certified EKG Technician (CET)

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Electrical/Electronics Engineering CIP 14.1001.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Engineering I (Introduction to Engineering Design PLTW), 210221 or BRX 120 (JCTC) (Semester)(1 Credit)
- Engineering II (Principles of Engineering PLTW), 210222 (Full-Year)(1 Credit)
- Electrical/Electronics Engineering (Digital Electronics PLTW), 210232 or ELT 120 (JCTC) (Semester)(1 Credit)
- Engineering Capstone, 210110 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

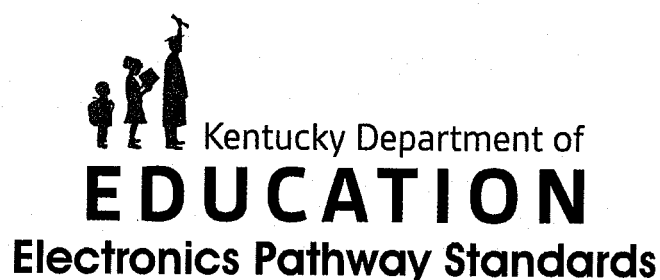
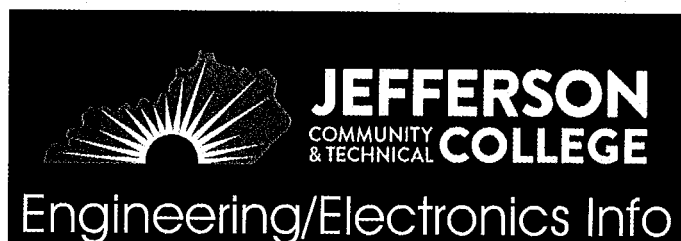
Yes - Electrical Electronics Engineering

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- Onshape Certified Associate Exam
- NOCTI CAD Foundations

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Fashion & Interior Design CIP 50.0407.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- FCS Essentials 200113 (Semester)(1 Credit)
- Fashion and Interior Design I 200821 (Semester)(1 Credit)
- Fashion and Interior Design II 200825 (Semester)(1 Credit)
- Fashion and Interior Design III 200826 (Semester)(1 Credit)

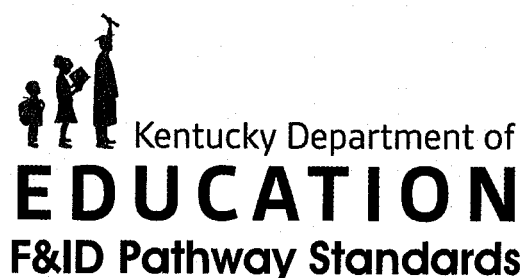
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - AAFCS Pre-PAC Interior, Design Fundamentals

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Junior Reserve Officer Training Corps (JROTC)

The JROTC program engages students in the practice of basic citizenship customs, traditions and in the exploration of opportunities for non-military and military national service. Orients students to the purpose of the JROTC programs and to their roles as cadets. Develops student leadership potential through the application of principles, values, and strategies. Prepares students to work effectively as team members and leaders. Emphasizes the role of the leader in promoting equal opportunity, addressing prejudice, and preventing sexual harassment and assault. Builds essential skills students need to maximize learning potential and future success, and lays the groundwork for service learning.

Recognizing the value of their varied learning styles and multiple intelligences, students apply learning strategies to improve critical thinking, study, problem solving, and communication skills. Students will need to take responsibility for physical and mental wellness. Students assess their personal status and develop plans for improving nutrition/exercise habits and for controlling stress. Program also helps students make responsible choices about substance use and to prevent substance abuse. Students develop global awareness, as they compare physical, political, economic, and cultural elements of continents, regions and countries, and examine the global nature of environmental issues. Students actively engage in the We The People curriculum to explore the origins, structure, rights, and responsibilities of the American constitutional government.

**Successful JROTC pathway completion of three courses counts towards the Postsecondary Readiness requirements.**

### **Course Sequence:**

- JROTC Level 1, 1 credit
- JROTC Level 2, 1 credit
- JROTC Level 3, 1 credit
- JROTC Level 4, 1 credit
- Army JROTC Leadership, 1 credit

## JROTC (Army) CIP 28.0301.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Army JROTC 1, 580240 (Full-Year)(1 Credit)
- Army JROTC 2, 580241 (Full-Year)(1 Credit)
- Army JROTC 3, 580242 (Full-Year)(1 Credit)
- Army JROTC 4, 580243 (Full-Year)(1 Credit)
- Army JROTC Leadership, 508244 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - JROTC 3-Year Certificate of Training

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Management & Entrepreneurship CIP 52.0701.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Business and Marketing Essentials, 060111 (Semester)(1 Credit)
- Introduction to Management, 060411 (Semester)(1 Credit)
- Marketing Principles, 080716 (Semester)(1 Credit)

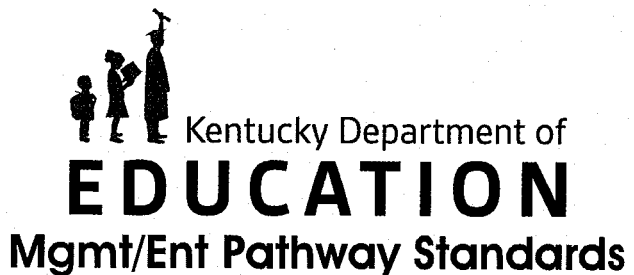
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Business Management

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Marketing

## CIP 52.1401.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Marketing Principles, 080716 (Semester)(1 Credit)
- Marketing Applications, 080717 (Semester)(1 Credit)
- Personal Finance (CTE Credit), 060170 or BAS 120 (JCTC), (Semester)(1 Credit)
- Business and Marketing Essentials, 060111 (Semester)(1 Credit)

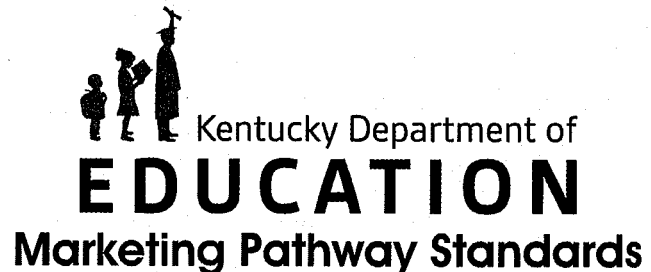
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Marketing

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Patient Care Technician CIP 51.1614.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Emergency Procedures, 170141(Semester)(.5 Credit)
- Acute Care Basic Core Skills, 170502 (Full-Year)
- Anatomy (Science course), 302631 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Patient Care Technician/Assistant (CPCT/A)

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Pharmacy Technician CIP 51.0805.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Pharmacy Technician, 170558 (Full-Year)(1 Credit)
- Allied Health Core Skills or AHS 105 (JCTC), 170501 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Certified Pharmacy Technician

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Plant Science Systems

## CIP 01.1101.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Semester)(1 Credit)
- Greenhouse Technology, 010641 or AGR 140 (Murray State) (Semester)(1 Credit)
- Floriculture and Floral Design, 010621 (Semester)(1 Credit)
- Landscape and Turf Management, 010631 or AGR 160 (Murray State) (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Horticulture

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



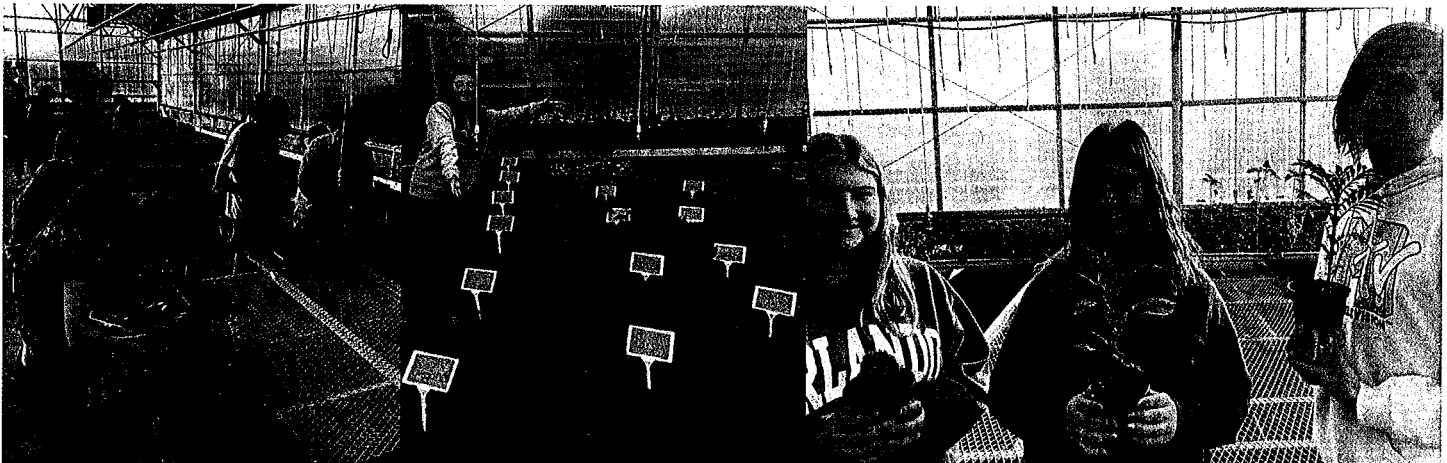
**MSU Information**



Kentucky Department of

**EDUCATION**

**Plant Sci Pathway Standards**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Teaching & Learning

### CIP 13.0101.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- The Learning Community, 331030 EDTP 201 (UofL) (Semester)(1 Credit)
- The Learner-Centered Classroom, 331031 EDTP 107 (UofL) (Semester)(1 Credit)
- The Professional Educator, 331032 EDTP 215 (UofL) (Semester)(1 Credit)
- Introduction to Exceptional Children, 331034 EDSP 240 (UofL) (Semester)(1 Credit)
- Collaborative Clinical Experience, 331033 (Semester)(1 Credit)

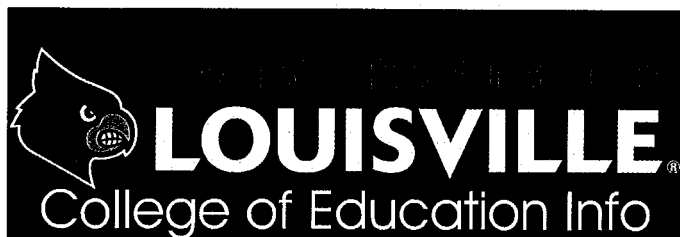
#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

BULLITT COUNTY PUBLIC SCHOOLS

BETHS

Pathways



# BEHS Career Pathways

Accounting; Allied Health	<u>76/77</u>
Animal Science Systems; Auto Engineering	<u>78/79</u>
Culinary/Food Services; Digital Design/Game	<u>80/81</u>
Early Childhood Education; E-Commerce	<u>82/83</u>
Electrical/Electronics; Financial Services	<u>84/85</u>
Graphic Design; Horticulture & Plant Science	<u>86/87</u>
Law Enforcement; Patient Care Technician	<u>88/89</u>
Teaching and Learning; Welding Engineer	<u>90/91</u>

# Accounting

## CIP 52.0301.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Accounting & Finance Foundations, 060122 or ACT 101 (JCTC) (Full-Year)(1 Credit)
- Advanced Accounting, 070125 or ACC 201 (JCTC) (Full-Year)(1 Credit)
- Personal Finance (CTE Credit), 060170 or BAS 120 (JCTC) (Semester)
- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)

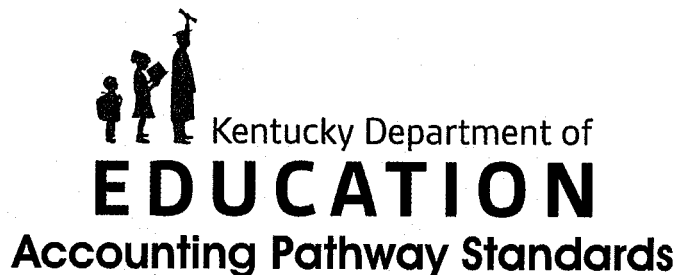
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Accounting

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - Assessment of Skills and Knowledge for Business (ASK) - Concepts of Finance

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Allied Health

### CIP 51.0000.01



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Body Structures and Functions, 170167 (Full-Year)(1 Credit)
- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Allied Health Core Skills, 170501 (Full-Year)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NOCTI Healthcare Core

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Animal Science Systems CIP 01.0901.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Full-Year)(1 Credit)
- Animal Science, 020501 or AGR 100 (Murray State) (Full-Year)(1 Credit)
- Veterinary Science, 020511 or AGR 182 (Murray State) (Full-Year)(1 Credit)
- Agricultural Employability Skills or AGR 199 (Murray State), 010121 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Animal Science

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



**MSU Information**



Kentucky Department of

**EDUCATION**

**Animal Sci Pathway Standards**

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Automotive Engineering

## CIP 15.0803.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Engineering I (Introduction to Engineering Design PLTW), 210221 (Full-Year)(1 Credit)
- Electrical/Electronics Engineering (Digital Electronics PLTW), 210232 (Full-Year)(1 Credit)
- Auto Maintenance & Light Repair Section A, 470507 (Semester, Block)(1 Credit)
- Auto Maintenance & Light Repair Section B, 470509 (Semester, Block)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- ASE Automotive Maintenance and Light Repair
- REC - Foundation Pre-Engineering Certification

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Culinary/Food Services

### CIP 12.0500.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Foods & Nutrition, 200441 (Semester)(1 Credit)
- Culinary Arts I, 200411 (Full-Year)(1 Credit)
- Culinary Arts II, 200412 (Full-Year)(1 Credit)
- Advanced Foods & Nutrition, 200442 (Semester)(1 Credit)

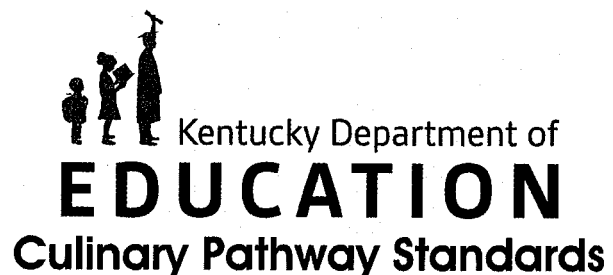
#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Culinary and Food Services

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - AAFCS Pre-PAC Culinary Arts

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Digital Design & Game Development

## CIP 36.0113.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Game Design and Development Principles, 113605 (Full-Year)(1 Credit)
- Introduction to Programming, 110201 (Full-Year)(1 Credit)
- Advanced Game Development and Publishing, 113602 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Digital Design and Game Development

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - Unity Certified Programmer

### WHERE CAN I FIND MORE INFORMATION?



Computer & Tech. Info



BIT502 Info



Kentucky Department of

**EDUCATION**

DD/GD Pathway Standards



EASTERN  
KENTUCKY  
UNIVERSITY

Gaming Institute Info

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Early Childhood Education

### CIP 13.1210.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Early Lifespan Development 200223 (Full-Year)(1 Credit)
- Child Development Services I 200261 (Semester)(1 Credit)
- Child Development Services II 200262 (Semester)(1 Credit)
- Parenting 200173 (Semester)(1 Credit)
- Relationships 200171 (Semester)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

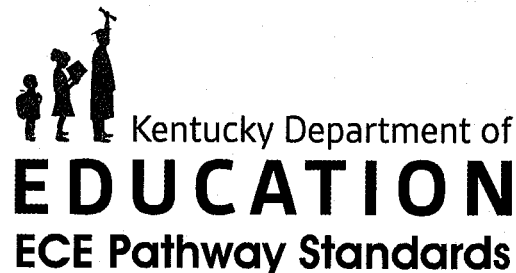
Yes - Early Childhood Education

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - 3 Certificates Required:

- Commonwealth Child Care Credential - Certificate of Eligibility
- KY Early Care and Education Orientation
- Pediatric Abusive Head Trauma

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## E-Commerce

### CIP 36.0113.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Marketing Principles 080716 (Full-Year)(1 Credit)
- Personal Finance (CTE Credit), 060170 or BAS 120 (JCTC) (Semester)
- Fundamentals of Social Media Marketing 081310 (Full-Year)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Marketing

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - ASK Fundamentals of Marketing Concepts

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Electrical/Electronics Engineering CIP 14.1001.00



## WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Engineering I (Introduction to Engineering Design PLTW), 210221 (Full-Year)(1 Credit)
- Engineering II (Principles of Engineering PLTW), 210222 (Full-Year)(1 Credit)
- Electrical/Electronics Engineering (Digital Electronics PLTW), 210232 (Full-Year)(1 Credit)
- Engineering Capstone, 210110 (Full-Year)(1 Credit)

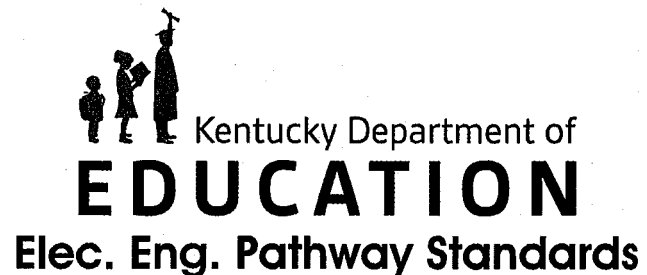
## IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Electrical/Electronics Engineering

## IS THERE AN INDUSTRY CERTIFICATION?

No

## WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Financial Services

### CIP 52.1908.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Personal Finance (CTE Credit), 060170 or BAS 120 (JCTC) (Semester)
- Financial Services I, 060311 (Full-Year)(1 Credit)
- Accounting and Finance Foundations, 060122 or ACT 101 (JCTC) (Full Year)(1 Credit)
- Financial Services II, 060351 (Full-Year)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Financial Services

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - Assessment of Skills and Knowledge for Business (ASK) - Fundamentals of Business Concepts

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Graphic Design

### CIP 50.0401.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Introduction to Media Arts, 480901 (Full-Year)(1 Credit)
- Two-Dimensional Media Design, 480920 (Full-Year)(1 Credit)
- Digital Imaging, 480921 (Full-Year)(1 Credit)
- Advanced Production Design, 480922 (Full-Year)(1 Credit)

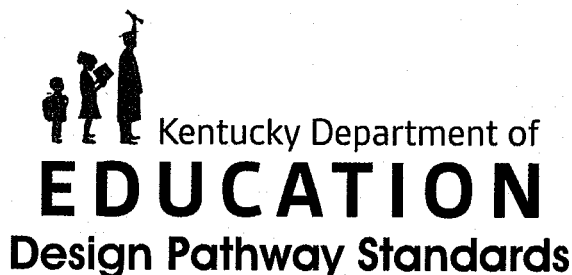
#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Graphic Design

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes: Adobe Certified Professional InDesign and either Adobe Certified Professional Illustrator and Adobe Certified Professional Photoshop

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Plant Science Systems CIP 01.1101.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Full-Year)(1 Credit)
- Greenhouse Technology, 010641 or AGR 140 (Murray State) (Full-Year)(1 Credit)
- Agriculture Employability Skills or AGR 199 (Murray State), 010121 (Semester)(1 Credit)
- Landscape and Turf Management, 010631 or AGR 160 (Murray State) (Full Year) (1Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Plant Science Systems

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHERE CAN I FIND MORE INFORMATION?



**MSU Information**



Kentucky Department of

**EDUCATION**

**Plant Sci Pathway Standards**

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Law Enforcement CIP 43.0107.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Foundations of Justice & Public Safety, 461044 (Semester)(1 Credit)
- Law Enforcement, 461045 (Semester)(1 Credit)
- Criminal Investigation & Forensics, 461043 (Full-Year)(1 Credit)
- Constitutional and Criminal Law, 461053 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - 5 Certifications Required:

- FEMA IS-100, IS-200, IS 700, IS-800
- State-Approved Basic Life Support (BLS) Certificate
- Stop the Bleed
- OSHA-10
- And Choose 1 of the Following
  - KY Fire Commission Apprentice I and/or II Certification
  - Candidate Physical Ability Test (CPAT)
  - KY Fire Commission Basic 1 Certification (115 hours)
  - KY Fire Commission Basic2 Certification (300 hours)
  - Emergency Medical Responder (EMR)
  - Emergency Medical Technician - Basic (EMT-B)

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Patient Care Technician

### CIP 51.1614.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Acute Care Basic Skills, 170502 (Full-Year)(1 Credit)
- Body Structures and Functions, 170167 (Full-Year)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Patient Care Technician/Assistant (CPCT/A)

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Teaching & Learning

### CIP 13.0101.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- The Learning Community, 331030 EDTP 201 (UofL) (Semester)(1 Credit)
- The Learner-Centered Classroom, 331031 EDTP 107 (UofL) (Semester)(1 Credit)
- The Professional Educator, 331032 EDTP 215 (UofL) (Semester)(1 Credit)
- Introduction to Exceptional Children, 331033 EDSP 240 (UofL) (Semester)(1 Credit)
- Collaborative Clinical Experience, 331033 (Semester)(1 Credit)

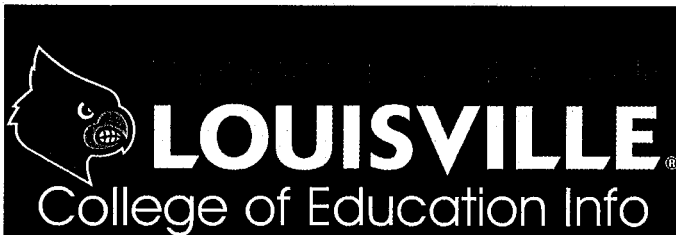
#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Phlebotomy Technician

## CIP 51.1009.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

#### REQUIRED COURSES:

- Body Structures and Functions, 170167 (Full-Year)(1 Credit)
- Principles of Health Science, 170111 (Full-Year)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 or AHS 115 (JCTC) (Semester)(1 Credit)
- Medical Laboratory Aide (Phlebotomist)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- NHA - Certified Phlebotomy Technician (CPT)

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Welding Engineer

## CIP 15.0614.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

#### REQUIRED COURSES:

- Engineering I (Introduction to Engineering Design PLTW), 210221 (Full-Year)(1 Credit)
- Engineering II (Principles of Engineering PLTW), 210222 (Full-Year)(1 Credit)

#### CHOOSE 2 OF THE 4 BELOW:

- Blueprint Reading for Welding and Lab, 480505 (Semester, Block)(1 Credit)
- Cutting Process and Lab, 480501 (Semester, Block)(1 Credit)
- Gas Metal Arc Welding and Lab, 480522 (Semester, Block)(1 Credit)
- Shielded Metal Arc Welding (SMAW), 480521 (Semester, Block)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- REC- Foundation Pre-Engineering Certification
- and OSHA 10 or 2-F (AWS) Welding

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

A black and white photograph of a graduation ceremony. In the foreground, several graduates in caps and gowns are visible, some with tassels. In the background, a person is speaking into a microphone. The overall scene is dimly lit, with the graduates' faces and the speaker's face being the primary light sources.

**BULLITT COUNTY PUBLIC SCHOOLS**

**NBHS**  
**Pathways**



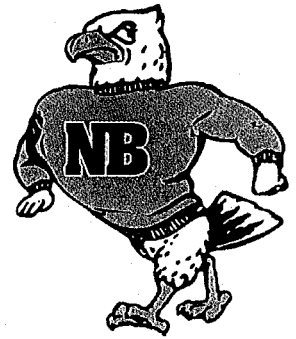
Success



# NBHS Career Pathways

Allied Health; Automation Engineering	<u>94/95</u>
Animal Science Systems; Admin Support	<u>96/97</u>
E-Commerce; EKG Technician	<u>98/99</u>
Computer Programming; Culinary	<u>100/101</u>
JROTC; Horticulture/Plant Science Systems	<u>102/104</u>
Management/Entrepren; Patient Care Tech	<u>105/106</u>
Pharmacy Tech; Teaching & Learning	<u>107/108</u>

## Allied Health CIP 51.000.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Semester)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 (Semester)(1 Credit)
- Allied Health Core Skills, 170501 (Semester)(1 Credit)
- Anatomy, 302631 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NOCTI Healthcare Core

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Automation Engineering

## CIP 15.0613.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Engineering I (Introduction to Engineering Design PLTW), 210221 (Full-Year)(1 Credit)
- Engineering II (Principles of Engineering PLTW), 210222 (Full-Year)(1 Credit)
- Introduction to 3D Printing Technology, 332001 (Full-Year)(1 Credit)
- Engineering Capstone, 210110 (Full-Year)(1 Credit)

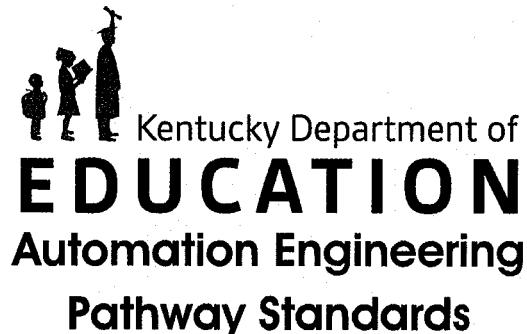
### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Automation Engineering

### IS THERE AN INDUSTRY CERTIFICATION?

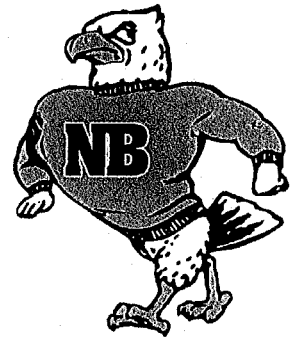
No

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Animal Science Systems CIP 01.0901.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Full-Year)(1 Credit)
- Animal Science, 020501 - Offered 2024-25 (Full-Year)(1 Credit)
- Veterinary Science, 020511 (Semester)(1 Credit)
- Agriculture Employability Skills, 010121 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Animal Science

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - ICEV Elanco Fundamentals of Animal Science

### WHERE CAN I FIND MORE INFORMATION?



**MSU Information**



Kentucky Department of

**EDUCATION**

**Animal Sci Pathway Standards**

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Administrative Support CIP 52.0401.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Business and Marketing Essentials, 060111 or BAS 160 (JCTC) (Semester)(1 Credit)
- Medical Terminology, 170131 or Ethical Leadership, 060109 (Semester)(1 Credit)
- Personal Finance (CTE Credit), 060170 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Administrative Support

### IS THERE AN INDUSTRY CERTIFICATION?

No

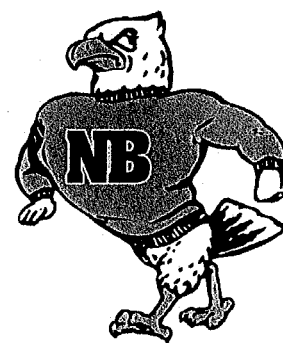
### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## E-Commerce

### CIP 52.0208.02



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Digital Literacy, 060112 or CIT 105 (JCTC) (Semester)(1 Credit)
- Marketing Principles, 080716 (Semester)(1 Credit)
- Principles of Entrepreneurship, 080310 or BAS 170 (JCTC) (Semester)(1 Credit)
- Business and Marketing Essentials, 060111 or BAS 160 (JCTC) (Semester)(1 Credit)

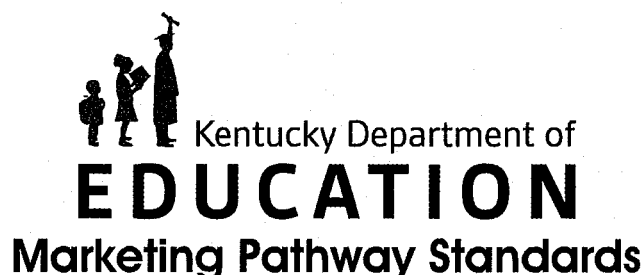
#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Marketing

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## EKG Technology CIP 51.0902.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Semester)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 (Semester)(1 Credit)
- EKG Technician, 170555 (Full-Year)(1 Credit)
- Anatomy, 302631 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - National Healthcare Association CET

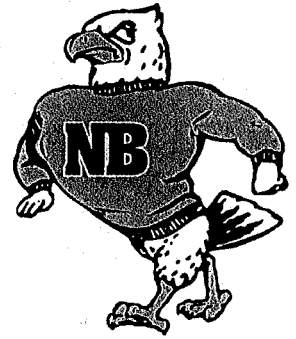
### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Computer Programming

## CIP 11.0201.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- AP Computer Science Principles, 110711 (Full-Year)(1 Credit)
- App Development with Swift, 110821 (Full-Year)(1 Credit)
- Computational Thinking, 110251 (Full-Year)(1 Credit)
- Java Programming I, 110809 (Full Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Computer Programming

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- Computer Programming - Certiport IT Specialist - Java
- Computer Programming - Certiport IT Specialist - Python

### WHERE CAN I FIND MORE INFORMATION?



Computer & Info Tech Info



BIT502 Info

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Culinary & Food Services

### CIP 12.0500.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Foods and Nutrition, 200441 (Semester)(1 Credit)
- Advanced Foods and Nutrition, 200442 (Semester)(1 Credit)
- Culinary Arts I, 200411 (Full Year)(1 Credit)
- Culinary Arts II, 200412 (Full Year)(1 Credit)

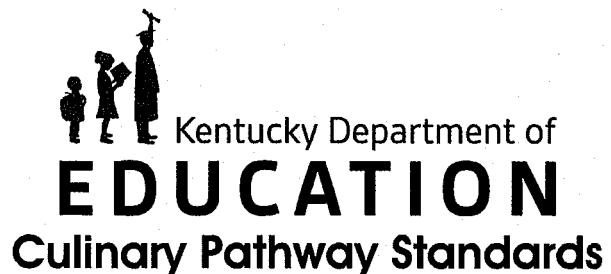
#### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Culinary and Food Services

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Junior Reserve Officer Training Corps (JROTC) - BCHS, NBHS

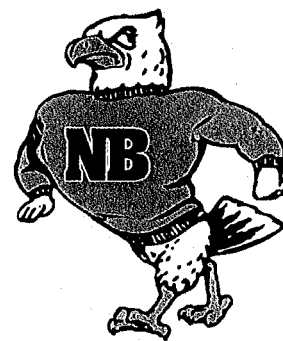
The JROTC program engages students in the practice of basic citizenship customs, traditions and in the exploration of opportunities for non-military and military national service. Orients students to the purpose of the JROTC programs and to their roles as cadets. Develops student leadership potential through the application of principles, values, and strategies. Prepares students to work effectively as team members and leaders. Emphasizes the role of the leader in promoting equal opportunity, addressing prejudice, and preventing sexual harassment and assault. Builds essential skills students need to maximize learning potential and future success, and lays the groundwork for service learning.

Recognizing the value of their varied learning styles and multiple intelligences, students apply learning strategies to improve critical thinking, study, problem solving, and communication skills. Students will need to take responsibility for physical and mental wellness. Students assess their personal status and develop plans for improving nutrition/exercise habits and for controlling stress. Program also helps students make responsible choices about substance use and to prevent substance abuse. Students develop global awareness, as they compare physical, political, economic, and cultural elements of continents, regions and countries, and examine the global nature of environmental issues. Students actively engage in the We The People curriculum to explore the origins, structure, rights, and responsibilities of the American constitutional government.

**Successful JROTC pathway completion of three courses counts towards the Postsecondary Readiness requirements.**

## JROTC (Army)

### CIP 28.0301.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Army JROTC 1, 580240 (Full-Year)(1 Credit)
- Army JROTC 2, 580241 (Full-Year)(1 Credit)
- Army JROTC 3, 580242 (Full-Year)(1 Credit)
- Army JROTC 4, 580243 (Full-Year)(1 Credit)
- Army JROTC Leadership, 508244 (Full-Year)(1 Credit)

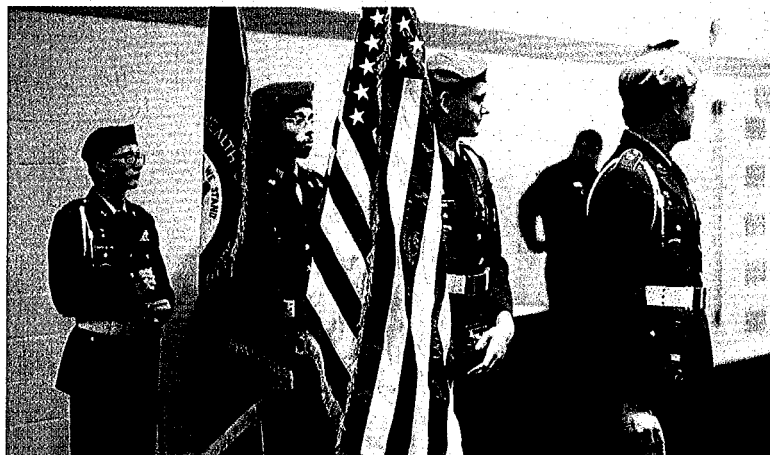
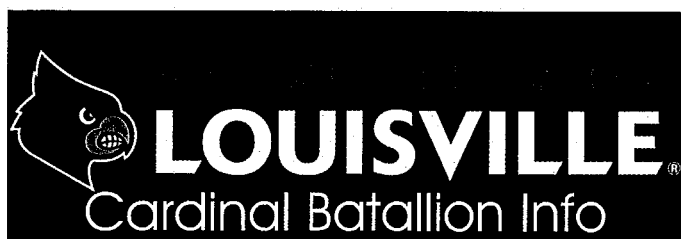
#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - JROTC 3-Year Certificate of Training

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Plant Science Systems CIP 01.1101.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Agricultural Science and Technology, 030715 (Full-Year)(1 Credit)
- Landscape and Turf Management, 010631(Semester)(1 Credit)
- Greenhouse Technology, 010641 (Full-Year)(1 Credit)
- Floriculture and Floral Design, 010621 (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - Horticulture

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - ICEV BASF Plant Science Certification

### WHERE CAN I FIND MORE INFORMATION?



**MSU Information**



Kentucky Department of

**EDUCATION**

**Pl. Sci. Sys. Pathway Standards**

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Management & Entrepreneurship CIP 52.0701.00



## WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Business and Marketing Essentials, 060111 or BAS 160 (JCTC), (Semester)(1 Credit)
- Principles of Entrepreneurship, 080310 or BAS 170 (JCTC), (Semester)(1 Credit)
- Digital Literacy, 060112 or CIT 105 (JCTC), (Semester)(1 Credit)
- Personal Finance (CTE Credit), 060170 (Semester)(1 Credit)

## IS THERE AN END OF PROGRAM ASSESSMENT?

No

## IS THERE AN INDUSTRY CERTIFICATION?

Yes - Assessment of Skills and Knowledge for Business (ASK) - Fundamental Business Concepts

## WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

# Patient Care Technician

## CIP 51.1614.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Semester)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 (Semester)(1 Credit)
- Acute Care Basic Skills, 170502 (Full-Year)(1 Credit)
- Anatomy, 302631 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Patient Care Technician/Assistant (CPCT/A)

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Pharmacy Technician CIP 51.0805.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- Principles of Health Science, 170111 (Semester)(1 Credit)
- Emergency Procedures, 170141 (Semester)(.5 Credit)
- Medical Terminology, 170131 (Semester)(1 Credit)
- Pharmacy Technician, 170558 (Full-Year)(1 Credit)
- Allied Health Core Skills, 170501 (Full-Year)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NHA Pharmacy Tech

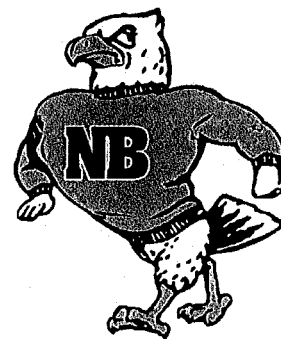
### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Teaching & Learning

### CIP 13.0101.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- The Learning Community, 331030 EDTP 201 (UofL) (Semester)(1 Credit)
- The Learner-Centered Classroom, 331031 EDTP 107 (UofL) (Semester)(1 Credit)
- The Professional Educator, 331032 EDTP 215 (UofL) (Semester)(1 Credit)
- Introduction to Exceptional Children EDSP 240
- Collaborative Clinical Experience, 331033 (Semester)(1 Credit)

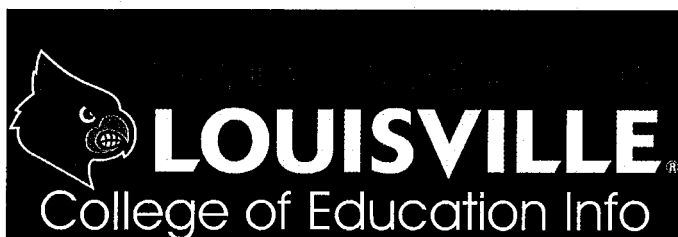
#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.





BULLITT COUNTY PUBLIC SCHOOLS

ATC  
Pathways

TECH

## ATC Career Pathways

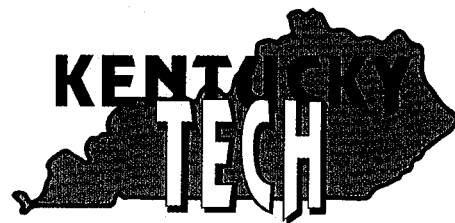
Automotive ASE MLR; Aviation	<u>111/112</u>
Carpentry; Electrical	<u>113/114</u>
Industrial Maint Tech/Robotics; Masonry	<u>115/116</u>
Welding	<u>117</u>

### HOW DO STUDENTS GET TO THE ATC DURING THE SCHOOL DAY?

A shuttle program allows students to remain in their home high school for traditional core courses and take a shuttle from BEHS and NBHS to the Area Technology Center for a skills trade pathway class. Students from BCHS and ROC are able to walk to the ATC for programming.

Students in grades 9-12 may apply to any program. Space is limited in all programs and students may not be selected for first year or choice.

## Automotive ASE MLR CIP 47.0604.01



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 470507 Maintenance and Light Repair A and Lab (Semester, Block)(1 Credit)
- 470509 Maintenance and Light Repair B and Lab (Semester, Block)(1 Credit)
- 470511 Maintenance and Light Repair C and Lab (Semester, Block)(1 Credit)
- 470513 Maintenance and Light Repair D and Lab (Semester, Block)(1 Credit)
- 470501 Automotive CO-OP

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - ASE MLR

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Automotive service technicians and mechanics, often called service technicians or service techs, inspect, maintain, and repair cars and light trucks. A high school diploma or the equivalent is typically the minimum requirement to work as an automotive service technician or mechanic. Because automotive technology is becoming increasingly sophisticated, some employers prefer automotive service technicians and mechanics who have completed a formal training program in a postsecondary institution. Industry certification usually is required once the person is employed.

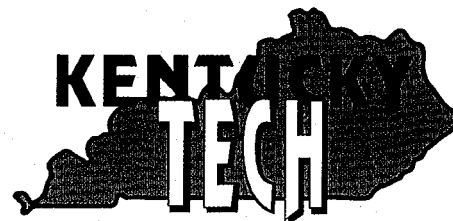
The median annual wage for automotive service technicians and mechanics was \$42,090 in May 2019.

Employment of automotive service technicians and mechanics is projected to grow 6 percent from 2016 to 2026, about as fast as the average for all occupations. Job opportunities for qualified job seekers should be very good.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Aviation

### CIP 49.0102.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 210233 Aviation I (Semester, Block)(1 Credit)
- 210234 Aviation II (Semester, Block)(1 Credit) OR 210234X Introduction to Aerospace and Aviation AVN 150 (EKU) - online dual credit
- 210237 Commercial Aviation Science (Semester, Block)(1 Credit)
- 210229 Aerospace Engineering (Semester, Block)(1 Credit) OR ATE 101 (JCTC) - Dual Credit

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- FAA Private Pilot Written Exam
- FAA Unmanned Air Systems

#### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

The work environment varies with occupation from the pilots seat to the aviation hangar for maintenance and repair. Aerospace engineers work in assembly area and offices where they design the latest aerospace technologies.

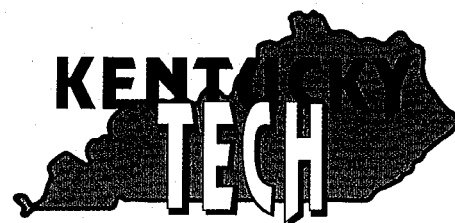
Aerospace engineers must have a bachelor's degree in aerospace engineering or another field of engineering or science related to aerospace systems. Many aircraft and avionics equipment mechanics and technicians learn their trade at an FAA-approved aviation maintenance technician school. Pilots attend a FAA approved flight school and must pass examinations and flight hours for licensure.

The median annual wage for aerospace engineers was \$116,500 in May 2019.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Carpentry

**CIP 46.0201.02 OR 46.0201.99**



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 460201 Introduction to Construction Technology (Semester, Block)(1 Credit)
- 460212 Floor and Wall Framing (Semester, Block)(1 Credit)
- 460213 Ceiling and Roof Framing (Semester, Block)(1 Credit)
- 460214 Site Layout and Foundations (Semester, Block)(1 Credit)
- 460219 Exterior and Interior Finish (Semester, Block)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - KY TRACK Pre-Apprenticeship Certification



### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- NCCER Core Curriculum and Construction Carpentry (Level 1) AND/OR
- OSHA 10

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Carpenters construct and repair building frameworks and structures—such as stairways, door frames, partitions, and rafters—made from wood and other materials. They also may install kitchen cabinets, siding, and drywall. Although most carpenters learn their trade through an apprenticeship, some learn on the job, starting as a helper.

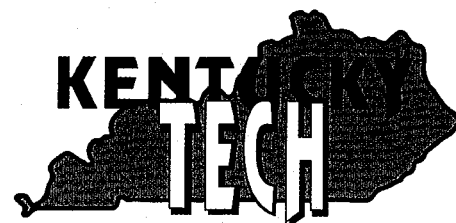
The median annual wage for carpenters was \$48,330 in May 2019.

Employment of carpenters is projected to grow 8 percent from 2016 to 2026, about as fast as the average for all occupations. Increased levels of new homebuilding and remodeling activity will require more carpenters.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Electrical

**CIP 46.0302.02 OR 46.0302.99**



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 460316 Circuits I (Semester, Block)(1 Credit) or 460316X ELT 110 JCTC (5 College Credits)
- 460312 Electrical Construction I (Semester, Block)(1 Credit) or 460312X EET 154/155 JCTC (5 college credits)
- 460313 Electrical Construction II (Semester, Block) (1 Credit) or 460313X EET 252/253 JCTC (5 College Credits)
- 460331 Electrical Motor Controls (Semester, Block)(1 Credit) or 460331X EET 270/271 JCTC (5 college credits)
- 460325 Rotating Machinery Electrical Motor Controls (Semester, Block) (1 Credit) or 460325X EET 268/269 JCTC (5 College Credits)

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - KY TRACK Pre-Apprenticeship Certification

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- NCCER Core Curriculum and Electrician Tech (Level 1)
- OSHA 10

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

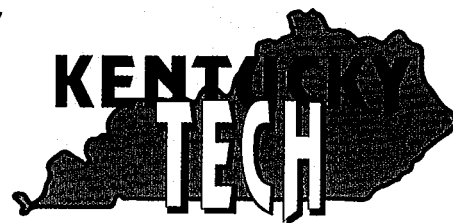
Electricians install and maintain electrical power, communications, lighting, and control systems in homes, businesses, and factories. Electricians work indoors and outdoors, in nearly every type of facility. Almost all electricians work full time, which may include evenings and weekends. Although most electricians learn through an apprenticeship, some start out by attending a technical school. Most states require electricians to be licensed.

The median annual wage for electricians was \$54,110 in May 2017.

Employment of electricians is projected to grow 20 percent from 2012 to 2022, faster than the average for all occupations.



## Industrial Maintenance Technology Advanced Manufacturing and Robotics Focus



# CIP 47.0303.01

### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 499920 Basic Blueprint Reading (1 Quarter, Block)(.5 Credit)
- 470313 Fundamentals of Machine Tools A (2 Quarter, Block)(.5 Credit)
- 470318 Maintaining Industrial Equipment (Semester)(1 Credit) or 460318X IMT 150/151 JCTC (5 College Credits)
- 470322 Industrial Maintenance Electrical Principles (Semester)(1 Credit) or 460322X IMT 110/111 JCTC (5 College Credits)
- 470351 Robotics and Automation (Semester)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes - NIMS: Maintenance Operations

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Industrial machinery mechanics and machinery maintenance workers maintain and repair factory equipment and other industrial machinery, such as conveying systems, production machinery, and packaging equipment. Most work full time in factories, refineries, food-processing facilities, or power plants, or at construction sites.

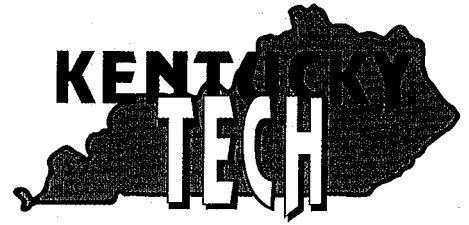
The median annual wage for industrial machinery mechanics, machinery maintenance workers, and millwrights was \$52,860 in May 2019.

Industrial machinery mechanics, machinery maintenance workers, and millwrights is projected to grow 16 percent from 2014 to 2024, much faster than the average for all occupations.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Masonry

**CIP 46.0101.01 OR 46.0101.99**



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 499930 Industrial Safety (1 Quarter, Block)(.5 Credit)
- 499920 Basic Blueprint Reading (2 Quarter, Block)(.5 Credit)
- 460112 Introduction to Masonry (Semester, Block)(1 Credit)
- 460116 Intermediate Masonry (Semester, Block)(1 Credit)
- 460113 Advanced Masonry (TRACK) OR 460180 Co-op Masonry OR 460183 Internship Masonry

### IS THERE AN END OF PROGRAM ASSESSMENT?

Yes - KY TRACK - Pre-Apprenticeship Certification

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- NCCER Core Curriculum and Masonry (Level 1)
- OSHA 10



### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Brickmasons, blockmasons, and stonemasons (or, simply, masons) use bricks, concrete blocks, and natural and man-made stones to build fences, walkways, walls, and other structures. Although most masons learn through an apprenticeship, some learn on the job. Others learn through 1- or 2-year mason programs at technical schools.

In May 2019, the median annual wage for brickmasons and blockmasons was \$46,500. The median annual wage for stonemasons was \$37,350 in May 2012.

Employment of masons is projected to grow 34 percent from 2012 to 2022, much faster than the average for all occupations.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Welding



# CIP 48.0508.01 or 48.0508.99

### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 480501 Cutting Process and Lab (Semester, Block)(1 Credit)
- 480521 Shielded Metal Arc Welding (SMAW) (Semester, Block)(1 Credit)
- 480522 Gas Metal Arc Welding and Lab (Semester, Block)(1 Credit)
- 480528 SMAW Groove Welds with Backing Lab (Semester, Block)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

KY TRACK

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- KY-DOT 3-G
- NCCER Core Curriculum and Welding Level 1 OSHA 10

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Welders, cutters, solderers, and brazers use hand-held or remotely controlled equipment to join or cut metal parts. They also fill holes, indentations, or seams in metal products. Sometimes welders help in the fabrication of new parts as well. A high school diploma or equivalent, combined with technical and on-the-job training, is typically required for anyone to become a welder, cutter, solderer, or brazer.

The median annual wage for industrial machinery mechanics, machinery maintenance workers, and millwrights was \$42,490 in May 2019.

Employment of welders, cutters, solderers, and brazers is projected to grow 10 percent from 2016 to 2026, faster than average for all occupations.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

A black and white photograph of a school building with a brick wall and a person standing in the foreground. The person is wearing a light-colored t-shirt and dark shorts, and is holding a long object, possibly a bat or a tool, which is partially visible on the right side of the frame. The building has a brick wall and a window with a metal frame. The text "BULLITT COUNTY PUBLIC SCHOOLS" is overlaid on the image in a bold, sans-serif font.

**BULLITT COUNTY PUBLIC SCHOOLS**

# *Hybrid ATC Pathways*

**TECH**

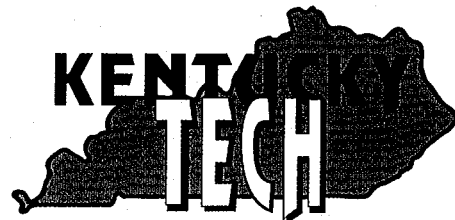
# Hybrid ATC Pathways

Automotive Engineer	<u>120</u>
Welding Engineer	<u>121</u>

## HOW CAN I QUALIFY FOR A HYBRID PATHWAY?

Engineering Hybrid Pathways exist for students that take two engineering courses and enroll in the ATC programs of Automotive, Electrical, or Welding.

## Automotive Engineering CIP 15.0803.00



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 210221 Engineering 1 at your home school
- 210232 Electrical/Electronics Engineering at your home school (Digital Electronics PLTW)
- 470507 Maintenance and Light Repair A and Lab (Semester, Block)(1 Credit)
- 470509 Maintenance and Light Repair B and Lab (Semester, Block)(1 Credit)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- REC-Foundation Pre-Engineering Cert AND
- ASE Automotive Maintenance and Light Repair

### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

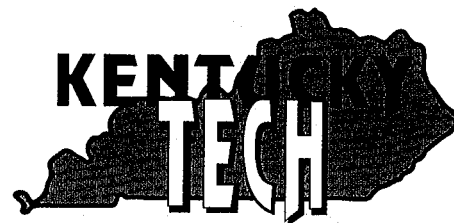
This pathway prepares individuals to apply engineering principles and technical skills in support of engineers and other professionals engaged in developing, manufacturing, and testing self-propelled ground vehicles and their systems. It includes instruction in vehicular systems technology, design and development testing, prototype and operational testing, inspection and maintenance procedures, instrument calibration, test equipment operation and maintenance, and report preparation.

Automotive engineers also known as mechanical engineers, is projected to grow 5 percent to 2022. This is a little slower than the average for most occupations. The need for design on the next generation of vehicles such as electric cars and vehicle systems will keep the career in demand.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Welding Engineer

### CIP 15.0614.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 210221 Engineering I at Home School
- 210222 Engineering II (Principles of Engineering PLTW) at Home School

#### CHOOSE 2 OF THE 3 BELOW:

- 480501 Cutting Process and Lab (Semester, Block)(1 Credit)
- 480521 Shielded Metal Arc Welding (SMAW) (Semester, Block)(1 Credit)
- 480521 Gas Metal Arc Welding and Lab (Semester, Block)(1 Credit)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- REC-Foundation Pre-Engineering Cert AND
- NCCER Core Curriculum and Welding Level 1
- REC-Foundation Pre-Engineering Cert and
- OSHA 10 or KYDOT 3-G

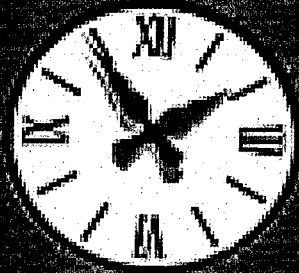
#### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Welding Engineers design and develop metal components for products for the pipeline, automotive, boiler making, ship building, aircraft and mobile home industry. Welding Engineers must have knowledge of cutting processes and gas metal arc welding procedures for efficient development of these industrial processes.

The median annual wage for welders, cutters, solderers, and brazers was \$42,490 in May 2019. The median annual wage for mechanical engineering technicians was \$56,980 in May 2019.

Employment of welders, cutters, solderers, and brazers is projected to grow 6 percent from 2016 to 2026, about as fast as the average for all occupations, and 5 percent for mechanical engineering technicians.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

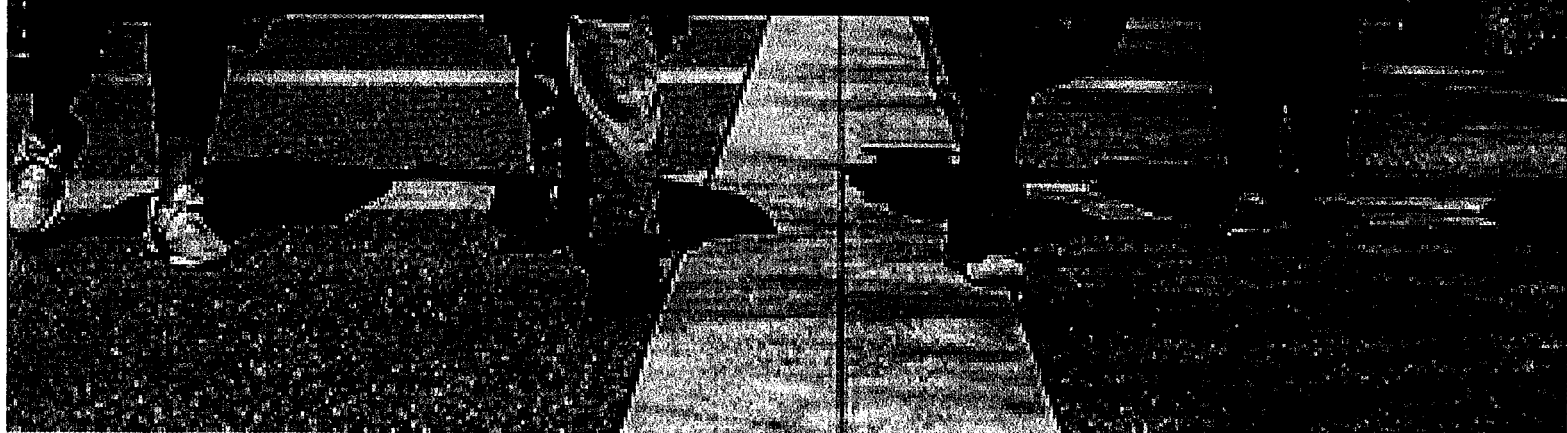


**BULLITT COUNTY PUBLIC SCHOOLS**

# *ATC College Cohorts*

**TECH**

FIND YOUR  
PATH



# ATC College Cohorts

Aircraft Maintenance	<u>124</u>
Aviation	<u>125</u>
EMT	<u>126</u>
Additional College Course Offerings	<u>127</u>

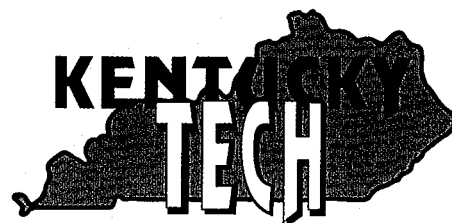
## WHAT IS A COLLEGE COHORT?

Cohort programs consist of 10-20 BCPS High School students working together in a college program.



## Aviation Maintenance

### CIP 47.0607.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- ATE 101 (JCTC) Pre-Aviation Maintenance Technology (ATC 210229X)(3 credit hrs)
- ATE 103 (JCTC) Introduction to Aircraft Maintenance I (ATC 210226)(8 Wks, 3 Hours)
- ATE 105 (JCTC) Introduction to Aircraft Maintenance II (ATC 210139X)(8 Wks 3 Hours)
- ATE 107 (JCTC) Introduction to Aircraft Maintenance III (ATC 470705X)(8 Wks 3 Hours)
- ATE 109 (JCTC) Introduction to Aircraft Maintenance IV (ATC 210110X)(8 Wks 3 Hours)
- Continue in program to complete ATE 201, ATE 203, ATE 205, and ATE 207

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - Juniors: General Maintenance Completion Certificate; Seniors: Powerplant Completion Certificate

#### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

Aircraft maintenance technicians are trained to adjust aircraft engines and pneumatic systems, remove and install aircraft components and diagnose problems. Some of their duties include checking electrical systems, repairing pilot static systems and performing regular preventive inspections. Some aircraft mechanics and service technicians enter the occupation with a high school diploma or equivalent and receive on-the-job training to learn their skills and to be able to pass the FAA exams.

The median annual wage for aircraft mechanics and service technicians was \$64,090 in May 2019. The median annual wage for avionics technicians was \$65,700 in May 2019.

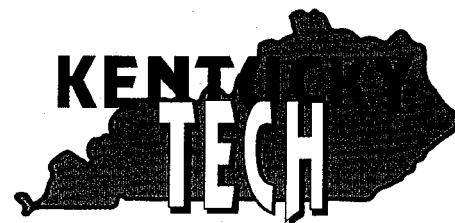
Overall employment of aircraft and avionics equipment mechanics and technicians is projected to grow 5 percent from 2016 to 2026, about as fast as the average for all occupations.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



## Aviation

### CIP 49.0102.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- AVN 150 ECU Introduction to Aviation (3 Credits) (Self-paced online)
- AVN 170 ECU Introduction to Unmanned Aircraft Systems (3 Credits) (Self-paced online)
- AVN 250 ECU Air Transportation (3 Credits) (Self-paced online)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

Completion of the ATC Aviation Pathway and passing the FAA private Pilot Written exam is recommended.

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHAT SHOULD I KNOW ABOUT THIS PROGRAM?

ECU has several degree options for students interested in the Aircraft Industry. The courses listed above will count in these programs.

ECU Degree Concentrations B.S. in Aviation, Aerospace Management concentration

- B.S. in Aviation, Professional Flight concentration
- B.S. in Aviation, Aerospace Technology concentration
- Minor in Aviation (Flight)
- Minor in Aerospace Management

#### Why ECU Aviation?

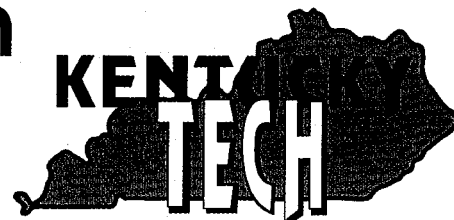
The aviation career field is wide open and growing at a tremendous rate! ECU graduates continue to enjoy great employment success throughout the industry, excelling as pilots, airport managers and within every segment of corporate and business aviation operations. All of the major US regional airlines recruit at ECU and our Professional Flight graduates are snatched up by the airlines immediately upon reaching 1,000 hours of flight time!

Contact the Area Technology Center or Lee Barger for more information.

[Click here to view Assessment Articulation Agreements](#) and [click here to view Industry Certifications](#).

## Emergency Medical Tech

### CIP 51.0904.01



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 06461022X0101 EMS 105 JCTC
- 06461023X0101 EMS Training JCTC (Full Year)(1 Credit)(6 College Credits)

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes - EMT - Basic National Certification

#### WHAT SHOULD I KNOW ABOUT THIS INDUSTRY?

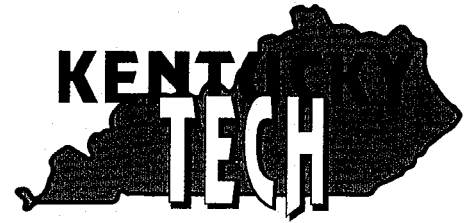
Emergency medical technicians (EMTs) and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities. Most EMTs and paramedics work full time.

Emergency medical technicians (EMTs) and paramedics typically complete a postsecondary educational program. All states require EMTs and paramedics to be licensed; requirements vary by state.

The median annual wage for EMTs and paramedics was \$35,400 in May 2019.



# Additional College Course Offerings



## HOW DO THESE ADDITIONAL OFFERINGS WORK?

- Students can also take courses through local post-Secondary partners alongside adult students.
- Contact the Area Technology Center or Dr. Lee Barger for more information on opportunities in these programs.

## WHAT ADDITIONAL OFFERINGS ARE AVAILABLE?

- Automotive Technology Mercedes Benz – JCTC
  - Information Available on Page 128
- Automotive Technology Toyota T-Ten – JCTC
  - Information Available on Page 129
- Computerized Machining and Manufacturing (CNC Operator) – JCTC
  - Information Available on Page 130
- Construction – JCTC
  - Information Available on Page 131
- Construction, HVAC – JCTC
  - Information Available on Page 132
- Construction, Plumbing – JCTC
  - Information Available on Page 133
- Diesel Technology – ECTC
  - Information Available on Page 134
- Engineering and Electronics Tech – JCTC
  - Information Available on Page 135
- Industrial Maintenance – JCTC
  - Information Available on Page 136
- Course Only: CDL Logistics
  - Information Available on Page 137

# Automotive, Mercedes-Benz

## WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

## WHAT IS THIS PROGRAM?

This new automotive training model creates a pathway to earn a Mercedes-Benz Certified Systems Technician Level 1 after 3 semesters (fall, spring, summer), or one year in the program and lead to an Associate's Degree in Automotive Technology.

The college level certificates earned will align with Mercedes-Benz curriculum. All of the training will be provided on Mercedes-Benz automobiles with MBUSA tools and equipment where required.

## WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Diesel Service Technicians
- Truck Repair

## WHERE CAN I FIND MORE INFORMATION?



# IndustryWeek®

## Informative Article



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Automotive, Toyota T-Ten

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

The T-TEN program prepares students to be ASE-certified Toyota and Lexus certified Technicians. Graduates will have skills that are in-demand, even in a slow economy, and have the opportunity to take their careers beyond the technician level. The curriculum includes all courses required for the Automotive Technology program and Toyota specific factory training.

T-TEN combines classroom study and hands-on dealership experience. Students work with the latest technology, tools, and equipment and graduate with Toyota and industry certifications. T-TEN graduates thrive in high-paying careers working on some leading vehicles in the country.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

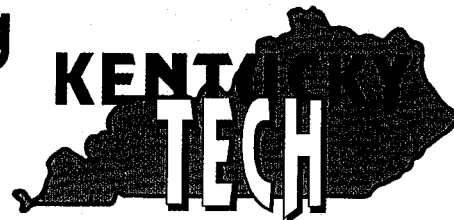
- Service Technician
- Mid-level Technician
- Master Technician
- Shop Foreman
- Service Advisor
- Service Manager

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Computerized Manufacturing and Machining (CNC)



### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

Every product manufactured in today's advanced manufacturing industry requires the involvement of highly skilled machinists. Qualified machine tool technicians are needed to program, set up, operate, and supervise precision machine tools. The Computerized Manufacturing and Machining Program is based on the Shelby County campus, and at the AMIT building at the Downtown campus.

Graduates can also become toolmakers who produce various jigs, fixtures, punches and dies, models or other specialized tooling and machines. Jefferson has made a heavy investment in the latest technology to prepare graduates for employment in the world of Advanced Manufacturing. Our labs have workstations with the latest CAD/CAM software including, shop machines: vertical machining centers, CNC lathes, CNC mills, CNC plasma cutter, CNC wire and sinker EDMs and various CAD/CAM software packages. Students receive training on eight types of machine controllers.

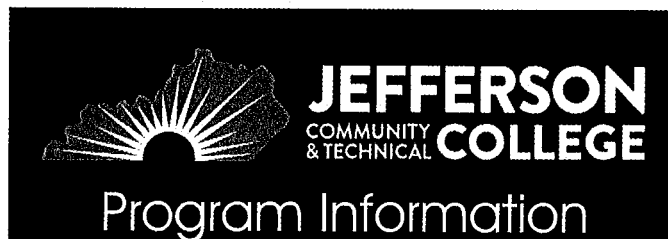
### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Machine set-up personnel
- Maintenance technicians
- General machinists
- Apprentice tool and die makers
- Apprentice mold makers
- CNC operators/programmers

### WHERE CAN I FIND MORE INFORMATION?



**Informative Video**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Construction

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

The Construction Technology program is designed to prepare students for entry level positions in the construction industry.

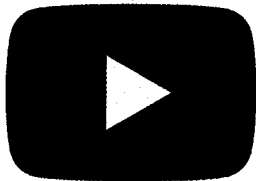
Residential and light commercial construction applications are taught. This program includes instructional units in blueprint reading, building site layout procedures, foundation systems, light framing construction methods, exterior and interior finish systems, concrete forming systems and construction safety.

Units of instruction are designed to include lecture and practical experience in the lab or on-site projects. This program also offers an excellent prerequisite for students that plan to pursue a career in areas such as construction management, civil engineering or architectural design.

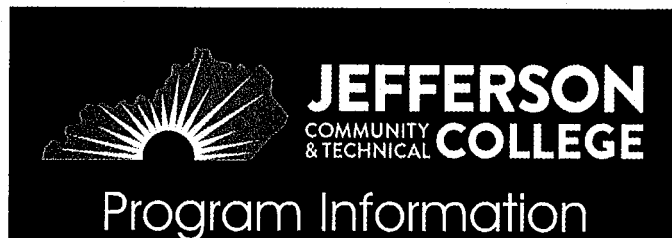
### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Construction management
- Civil engineering
- Architectural design

### WHERE CAN I FIND MORE INFORMATION?



**Informative Video**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Construction, HVAC

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT COURSES ARE OFFERED?

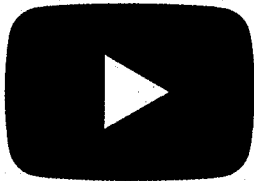
Students have the opportunity to earn up to thirty-six dual credit hours in HVAC at the Jefferson Technical Campus. Juniors that enter this program will have the opportunity to earn the following certificates by completion of courses:

- Environmental Control Servicer Certificate
- Environmental Control System Repair Helper Certificate

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- CAD CAM Programmer
- Computer Numerical Control Machinist
- Computer Numerical Control Programmer

### WHERE CAN I FIND MORE INFORMATION?



**Informative Video**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.



# Construction, Plumbing

## WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

## WHAT COURSES ARE OFFERED?

Students have the opportunity to earn up to twenty-three dual credit hours in Plumbing at the Jefferson Technical Campus. Juniors that enter this program will have the opportunity to earn the following certificates by completion of courses:

- 1st year Plumber Mechanic Certificate
- Certified Backflow Tester Certificate
- Finish Plumber Certificate
- Plumber's Helper Certificate

## WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- Construction Occupations
- Maintenance Work
- Industrial Employment
- Commercial Employment
- Government Employment

## WHERE CAN I FIND MORE INFORMATION?



**Informative Video**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Diesel Technology

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

If you're interested in a career repairing and servicing medium and heavy duty trucks, construction equipment, or agriculture equipment, then this program is for you. Modern trucks, construction and agriculture machines are very advanced and contain hundreds of electronic sensors and countless computers, and it takes technicians who embrace the challenge to use logic and expertise to maintain and repair them. The diesel technician career pathway is highly regarded in our society because it takes people with very advanced skills to work on them.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

Graduates of the Diesel Technology program find employment in new truck dealerships, fleets, municipalities, independent repair facilities, specialty shops, agricultural dealerships, and construction equipment dealerships.

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Engineering and Electronics Tech

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

This program gives individuals the background to work as assistants to engineers or as liaisons between engineers and skilled craftsmen, and as plant maintenance specialists. The Engineering Technology degree allows students to tailor their degrees to their own interests while providing them with a broad understanding of technologies commonly used in industry.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- EET Computer Maintenance
- Electronics Technician
- Maintenance Technician

### WHERE CAN I FIND MORE INFORMATION?



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Industrial Maintenance

### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

### WHAT IS THIS PROGRAM?

Industrial Maintenance Technology involves keeping industrial systems working properly. Technicians work directly with machines: troubleshooting, calibrating, repairing, re-programming, and maintaining them.

An understanding of the requirements and opportunities in maintenance, good safety practices, pride in workmanship, and an understanding of the principles and accepted practices of the maintenance trade are covered in this program.

### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

Students are trained to hold positions in factories, hospitals, hotels, etc., where multi-skilled maintenance personnel are needed. Included are courses in air conditioning, carpentry, electricity, machine tool, metal fabrication, and welding.

### WHERE CAN I FIND MORE INFORMATION?



**Informative Video**



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

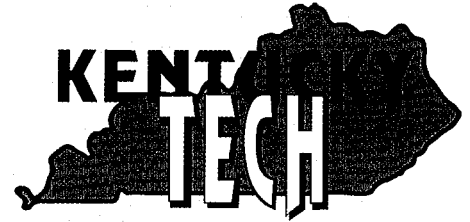


**BULLITT COUNTY PUBLIC SCHOOLS**

*CDL Course  
Option*

**TECH**

## CDL Logistics Course Partnership with JCTC



### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- TNT 110 - Basic Operation (JCTC)

### IS THERE AN END OF PROGRAM ASSESSMENT?

No

### IS THERE AN INDUSTRY CERTIFICATION?

No

### WHAT SHOULD I KNOW ABOUT THIS COURSE?

Though this is not a complete pathway offering yet, the goal is to eventually build a four-course pathway around logistics and transportation with the TNT 110 course being the 4th course in the sequence.

This course provides insight into the trucking industry and should generate interest in students that may wish to obtain their CDL after high school. Other related careers in logistics will be high lighted as well.

### WHERE CAN I FIND MORE INFORMATION?

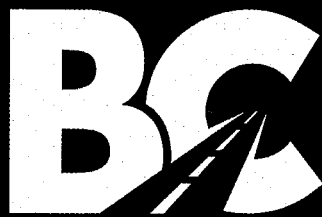


[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

A black and white photograph of a classroom. In the foreground, the backs of two students' heads are visible as they look towards the front. In the background, a male teacher with glasses is partially visible on the right side.

**BULLITT COUNTY PUBLIC SCHOOLS**

*CRC BVLA*  
*Pathways*



MOVING FORWARD

# BCPS Special Program Pathways

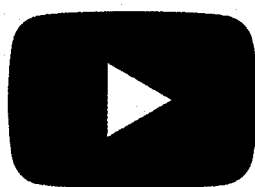
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## Career Readiness Center (CRC)

The CRC is located at Riverview Opportunity Center. The ROC is a small school designed to give students more access to the Bullitt County Area Technology Center (ATC) and criminal justice courses from Campbellsville University. Students are in a blended learning environment and have access to a variety of skilled trades. Due to the flexible schedule, ROC students have opportunities to co-op and or work release in a job that coincides with the trade(s) they are studying. Students from North Bullitt, Bullitt East and Bullitt Central can attend the programs. Although these students are considered Riverview students, they maintain dual enrollment with their home school which allows them the opportunity to participate in sports, clubs, and other after school activities within their home schools. Transportation to and from ROC is provided by BCPS. Space for each program is limited and students are required to apply to each program for selection.

To obtain an application please see your school counselor or call Dominic McCamish, Principal of Specialized Programs, at (502)869-6600.



**What is the CRC?**



**How can the CRC Support  
Your Future?**

## Bullitt Virtual Learning Academy

Riverview Opportunity Center (ROC) is also home to the new Bullitt Virtual Learning Academy. Students from North Bullitt, Bullitt East and Bullitt Central can apply for the program. Although these students are considered Riverview students, they maintain dual enrollment with their home school which allows them the opportunity to participate in sports, clubs, and other after school activities within their home schools.

The Management and Entrepreneurship Career Pathway is offered for traditional students. This pathway generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes 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.

Online dual credit coursework is offered in computer programming, network administration, network security, and management and entrepreneurship. In addition, accelerated students have the opportunity to pursue an associate degree in information technology and business from Jefferson College.

Space for the Bullitt Virtual Learning Academy is limited and students are required to apply. To obtain an application please call Dominic McCamish, Principal of Specialized Programs, at (502)869-6600.



## Dual Credit through UK

Through this partnership with UK, our students will be “in class” with other students throughout the state. Our teachers will be trained and will help facilitate the class in conjunction with a virtual UK professor.

Get a head start on your college goals as a high school student through the University of Kentucky Next Generation Scholars dual credit program.

If you are a student at a participating high school, you can apply to take courses through the Commonwealth’s flagship university. These courses are designed and taught by world-class UK faculty largely in collaboration with teachers at your school. This unique collaboration approach has led to high levels of success for prior students in the program.

All dual credit courses are offered at a reduced tuition rate. Students at partner schools are eligible for scholarships for a limited number of dual credit courses. Visit [Kentucky Dual Credit Scholarship page](#) from KHEAA to learn more about these scholarships.

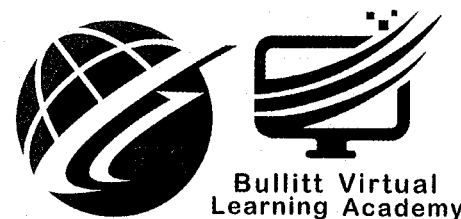
Participating schools are part of the Next Generation Scholars Dual Credit Network, which connects them with the robust resources of the Center for Next Generation Leadership in the College of Education. For more than a decade, the center has worked closely with Kentucky’s public schools as partners in improving education.

High school students outside network high schools may be admitted to UK while completing their high school diplomas. If they meet course prerequisites, they can enroll in on-campus UK courses at full tuition. This option does not qualify for the Kentucky Dual Credit Scholarship. For more information, visit the [UK Undergraduate Admissions website](#).

Questions? Contact the [Center for Next Generation Leadership](#).

## Computer Programming

### CIP 11.0201.01



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- 060112 Digital Literacy, CIT 105 (JCTC)
- 110251 Computational Thinking, CIT 120 (JCTC)
- 110205 JAVA Programming I, CIT 149 (JCTC)
- 110206 JAVA Programming II, CIT 249 (JCTC)
- 110918 Computer Science Co-Op

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHAT SHOULD I KNOW ABOUT THIS PATHWAY?

Within the computer programming pathway students will be prepared to design and create apps, as well as troubleshoot the latest programming languages used in industry. Upon completion of this career pathway, students will be prepared for an entry level position in the IT field or continue their education in computer programming.



[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Law, Public Safety, & Security

### CIP 22.0001.00



#### WHO CAN ENROLL?

Students from all high schools may enroll in these courses.

#### WHAT COURSES ARE OFFERED IN THE CRIMINAL JUSTICE CU PATHWAY?

- 461044X Introduction to the Criminal Justice System, CJ 101 (Campbellsville), Fall of Junior Year (1 Credit)
- 461051X Introduction to Criminology, CJ 235 (Campbellsville), Spring of Junior Year (1 Credit)
- 461043X Criminal Investigations, CJ 215 (Campbellsville), Spring of Junior Year (1 Credit)
- 461098X Juvenile Justice in America, CJ 232 (Campbellsville), Fall of Senior Year (1 Credit)
- 461038X General Psychology, PSY 111 (Campbellsville), Fall of Senior Year (1 Credit)

#### WHAT ARE SOME POTENTIAL FUTURE CAREERS IN THIS PATHWAY?

- |                            |                        |
|----------------------------|------------------------|
| • Correctional Officer     | • Detective            |
| • Crime Scene Investigator | • Police Officer       |
| • Criminologist            | • Private Investigator |

#### WHERE CAN I FIND MORE INFORMATION?



Criminal Justice Website

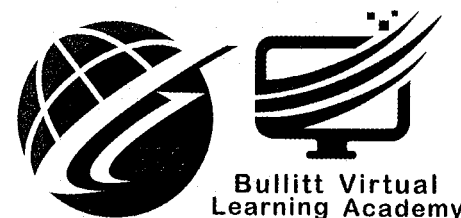


Undergrad Information

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Network Administration

### CIP 11.0901.01



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- CIT 105 JCTC Introduction to Computers
- CIT 120 JCTC Computational Thinking
- CIT 111 JCTC Computer Hardware and Software
- CIT 160 JCTC Introduction to Networking Concepts
- CIT 161 JCTC Introduction to Networks
- CIT 167 JCTC Switching and Routing Essentials

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

No

#### WHAT SHOULD I KNOW ABOUT THIS PATHWAY?

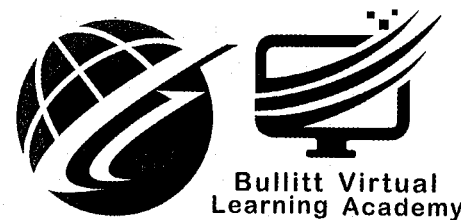
The network administration pathway will assist in helping students learn new administration support skills or upgrade existing computer information systems skills. Students will be able to properly install and manage networking software, effectively troubleshoot and fix networking problems.

Riverview Opportunity Center is partnering with Jefferson Community and Technical College to provide dual credit for the ROC students. Utilizing the Work Ready KY scholarship program from KHEAA students are able to take up to two years of college courses at no cost to the student.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

## Network Security

### CIP 11.1003.00



#### WHAT COURSES ARE OFFERED IN THIS PATHWAY?

- CIT 105 JCTC Introduction to Computers
- CIT 111 JCTC Computer Hardware and Software Maintenance
- CIT 160 JCTC Intro to Networking Concepts
- CIT 180 JCTC Security Fundamentals

#### IS THERE AN END OF PROGRAM ASSESSMENT?

No

#### IS THERE AN INDUSTRY CERTIFICATION?

Yes:

- Computer Technician JCTC
- Computer Tech Basic JCTC
- A+ Prep JCTC
- Security Fundamentals Certificate JCTC

#### WHAT SHOULD I KNOW ABOUT THIS PATHWAY?

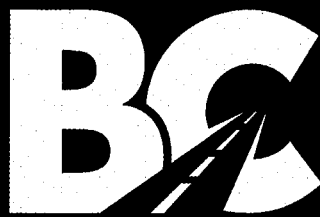
The Network Security pathway will assist in helping students to be able to properly design and install a wired and wireless LAN system, including all network devices, physically connect servers and desktop computers.

Riverview Opportunity Center is partnering with Jefferson Community and Technical College to provide dual credit to the ROC students. Utilizing the Work Ready KY scholarship program from KHEAA students are able to take up to two years of college courses at no cost to the student.

[Click here](#) to view Assessment Articulation Agreements and [click here](#) to view Industry Certifications.

**BULLITT COUNTY PUBLIC SCHOOLS**

# *Pathway Preparation*



**MOVING FORWARD**



# Pathway Preparation

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## Becoming "High School Ready"

### *Key Components of Successful Transition Programs*

#### **1. Provide parents and students with essential information about the new school.**

Possible activities could include:

- Tours and/or Shadow Days
- HS Student Panel Discussions
- HS Counselor Visits
- Summer Transition Camps
- 8th Grade involvement in social or athletic events
- Infinite Campus Messenger, Rooms, School Websites, Social Media

#### **2. Provide opportunities for social support and peer interactions with current students.**

This allows students to begin building new relationships, obtain reliable information from "insiders" and feel welcomed to the high school community. Possible activities:

- Orientation and mentoring programs. (Pair small groups of incoming students with upperclassmen for support)
- Open house for 8th graders, hosted by current 9th graders
- Student-Friendly Orientation Days before school starts.

## Becoming "High School Ready"

### **3. Provide opportunities for communication between middle school and high school teachers, counselors, administrators and support staff.**

This will help insure that both groups have a realistic understanding of the programs, requirements and expectations at each level, so that a sense of articulation and alignment can be encouraged. Possible activities:

- Create a "transition team" of teachers at each level who meet regularly for discussion and revision of the transition program
- Invite middle school teachers to team or department meetings, Teacher Planning Day Events, etc.
- Schedule an annual joint faculty meeting to identify concerns and successes
- Create departmental liaison positions
- Vertical curriculum planning meetings

### **4. Provide opportunities for parent involvement.**

Although possibly one of the most challenging pieces to facilitate at the high school level, studies have shown that parental involvement and support in a child's education can be an essential factor in student success. Possible activities:

- Seek parent volunteers to be involved in daily school activities
- Develop a 9th grade newsletter that parents begin to receive when their child is still in 8th grade
- Invite parents to spend a day at the high school
- Involve parents in planning and implementing articulation activities
- Provide conversation opportunities for parents of new students with parents of current students
- Arrange increased phone contact, (quarterly, monthly, etc.) so parents feel more informed and involved
- Create learning opportunities for parents and children to engage in together, such as computer training, college planning, etc.
- Middle school teachers and counselors inform parents about transition activities and encourage them to get involved

## Becoming "Middle School Ready"

*Below are possible transition type information and activities that elementary and middle schools may use in transition planning for students. The below information is not all-inclusive of the information or activities that may occur.*

### **Preparation During the Last Year of Elementary School**

#### **1. Principal / Designee in collaboration with grade 5 teachers may:**

- Schedule meeting with teachers and administrators at feeder middle level school.
- 5th grade students will visit Middle Schools.
- Seminar in the spring related to the important differences between elementary and middle school including new expectations.
- Obtain and allow students to view middle level course outlines and materials.  
Review information about school policy, traditions, etc.

#### **2. The elementary school teachers, in collaboration with middle school teachers, may:**

- Gather important information on specific students that will assist in their success in middle school and provide to feeder middle.
- Submit to feeder middle school the student's working writing folder and other work artifacts that may assist in appropriate placement(s).
- Review with transitioning students' curriculum standards / expectations.
- Send information to feeder middle on tier level interventions that have occurred including the student proficiency plans and other relevant data.
- Allow students to construct middle level goals for success as an activity during the tour or summer program visit [if applicable].

# Becoming "Middle School Ready"

## Parent Preparation

- Discuss with parents, via a parent meeting, how they may assist their child over the summer to become ready for the transition. This could be information contained in the middle level feeder school packet.
- Share materials with parents that might assist the student in becoming familiar with the new school [e.g. school map, student handbook, yearbook, etc.]. This could be information contained in the middle level feeder packet.
- Discuss with parents how to communicate effectively with their child's middle school teacher(s). How parents will be informed about activities? How parents will be informed of faculty and school expectations?
- Identify and provide information on parent support groups, booster groups, etc. This could be information contained in the middle level feeder packet.
- Remind, or provide a name list, of school personnel who will function as primary office contacts to address questions etc. This could be information contained in the middle level feeder packet.

## Student Preparation

- Write social stories as individuals or class groups to help the student prepare for the change. Elementary level activity possibly carried out as a guidance activity.
- Allow the transitioning student to review a sample schedule. This could be information contained in the middle level feeder packet.
- Provide opportunities for students to practice opening locks and lockers [could be a part of a summer orientation program].
- Review school rules with student.
- Provide a summer orientation [if applicable and planned by the middle level school].
- Prepare the student for having more than one teacher and that all teachers may have different rules and expectations.
- School materials should include items to assist with organization.

## MS Work Ethic Certification

Part of the mission of education is to prepare students for the transition from school to work and life beyond the classroom. It is essential that students be taught essential skills necessary to be successful in the world of work. The Work Ethic Certification will demonstrate to employers that a student recognizes the importance of work ethic and has been trained to succeed in the workplace.

Bullitt County Chamber of Commerce and Bullitt County Public Schools have partnered to develop Work Ready communities. Students will have the opportunity to earn work ethic certificates during each year of middle school.

### **WHAT QUALIFICATIONS DO I NEED TO MEET?**

- A student must obtain no more than 2 unexcused absences
- No discipline behavior incidents
- A student must have no grades lower than a C on quarter or final grades posted on report card
- Participate in 2 of the following: School/ Community Team Sport, School/ Community extra-curricular activity, or 10 community service hours
- Score in-progress or met progress on essential skills each nine weeks

### **WHAT ARE THE ESSENTIAL WORK ETHIC SKILLS?**

- Adaptability
- Diligence
- Initiative
- Knowledge
- Reliability
- Remaining Drug Free
- Working Well With Others



## ES Work Ethic Certification

Part of the mission of education is to prepare students for the transition from school to work and life beyond the classroom. It is essential that students be taught essential skills necessary to be successful in the world of work. The Work Ethic Certification will demonstrate to employers that a student recognizes the importance of work ethic and has been trained to succeed in the workplace.

Bullitt County Chamber of Commerce and Bullitt County Public Schools have partnered to develop work Ready communities. Students will have the opportunity to earn Work Ethic Certificates during the 4th and 5th grade year.

### **WHAT QUALIFICATIONS DO I NEED TO MEET?**

- A student must obtain no more than 2 unexcused absences
- No discipline behavior incidents
- A student must have all passing grades with a grade of C or above on each nine weeks report card. A student must have a score of Basic or above when using standards based report cards
- Participate in 2 of the following: School/ Community Team Sport, School/ COmmunity extra-curricular activity, or 10 community service hours
- Score in-progress or met progress on essential skills each nine weeks

### **WHAT ARE THE ESSENTIAL WORK ETHIC SKILLS?**

- Adaptability
- Diligence
- Initiative
- Knowledge
- Reliability
- Remaining Drug Free
- Working Well With Others

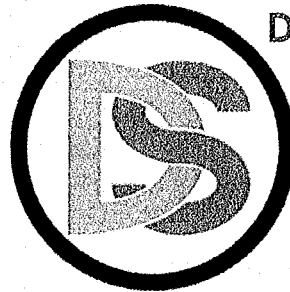
## The Discovery School at Hebron

### WHAT IS THE DISCOVERY SCHOOL?

A Project-Based Learning STEM School for Gifted & Talented Students at Hebron Middle School in Shepherdsville, KY.

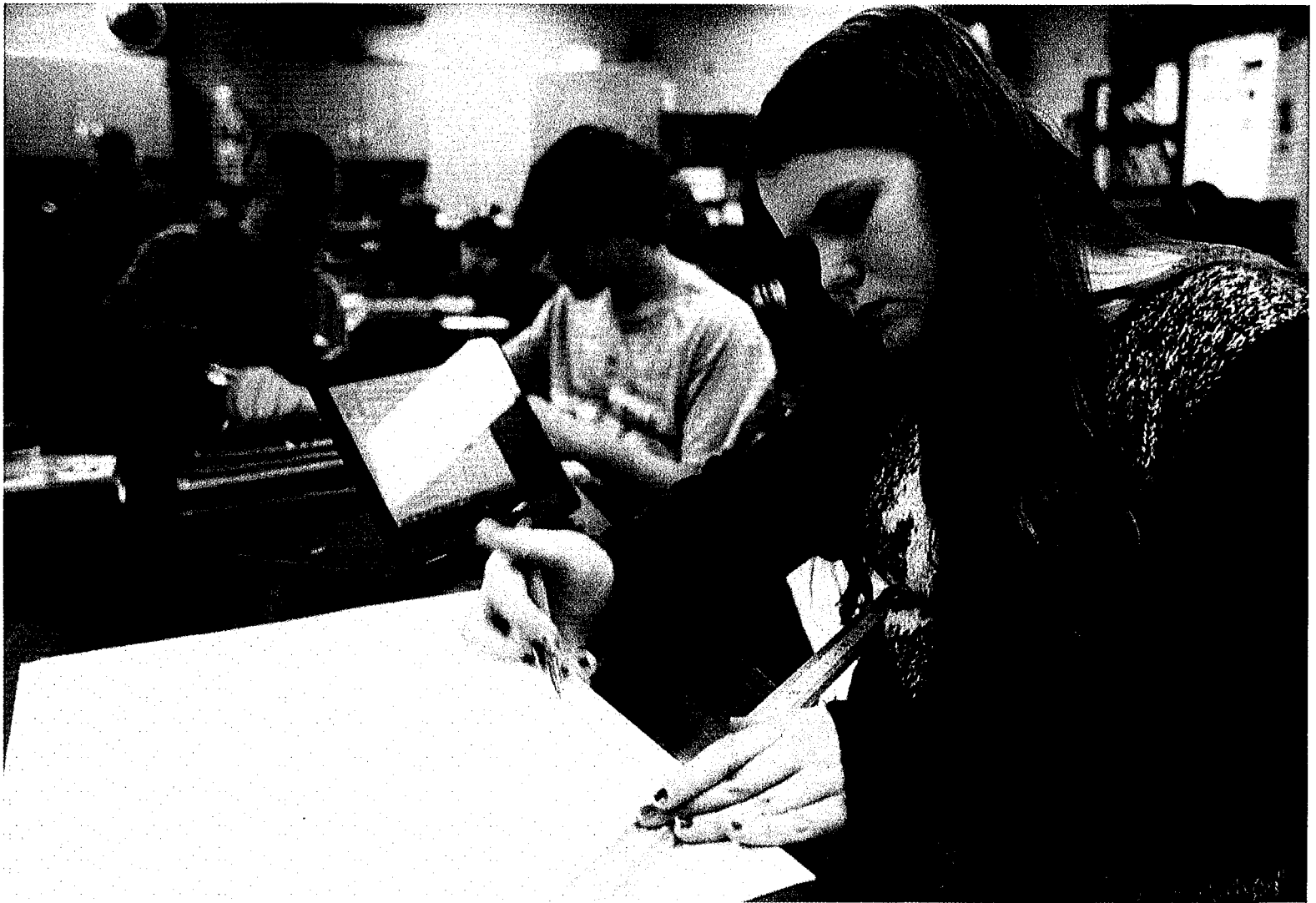
### WANT ADDITIONAL INFORMATION?

- [The Discovery School Website](#)



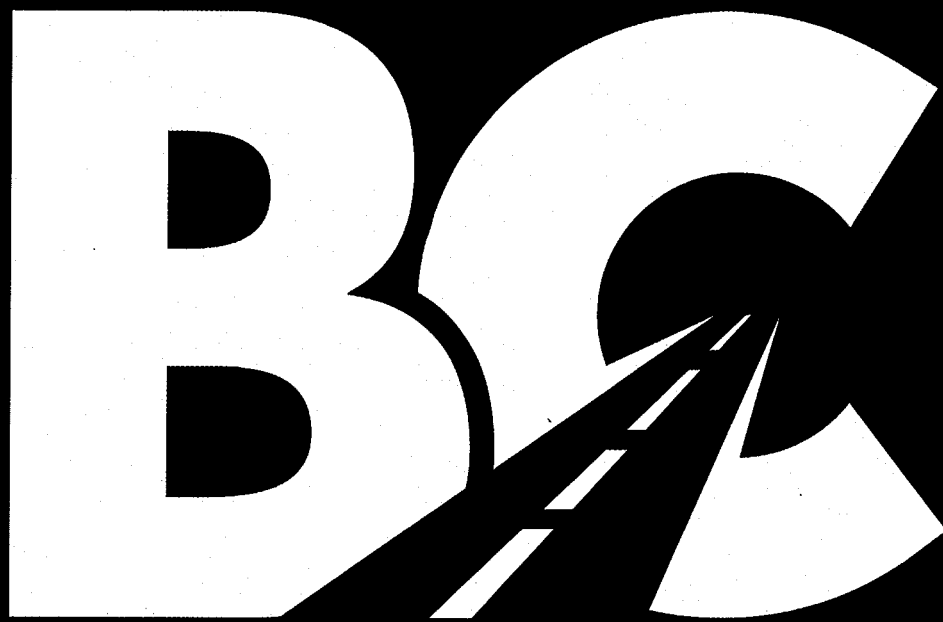
DISCOVERY  
SCHOOL

@ HEBRON MIDDLE  
3300 E. HEBRON LN





MOVING FORWARD



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