Accounting

The Accounting pathway generally prepares individuals to practice the profession of accounting and to perform related business functions.

It includes instruction in accounting principles and theory, financial accounting, legal aspects of accounting, auditing, reporting procedures; statement analysis, planning and consulting; business information systems, accounting research methods; professional standards and ethics; and applications to specific for-profit, public and non-profit organizations.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options
- Accounting
- Forensic Accounting
- Planner
- Tax Preparer
- Auditor
- Auditing Clerk

Courses

Accounting & Finance Foundations (060122) - Grades 9-12

Learn	Engage
Financial calculations used by business professionals	Financial case studies
Apply accounting methods for financial records	Complete tax documents
Banking procedures	Accounting for services and merchandising

Advanced Accounting (070125) - Grades 11-12

Learn	Engage
Identify business ownership structures.	Prepare business financial statements
Define & calculate current ratio, debt-equity ratio, return on sales, & return on equity	Calculate payroll taxes
How internal control procedures safeguard assets	Prepare bank reconciliation

Choose 2 of the Following

Business Principles & Applications (060111) Grades 9-10	Introduction to Management (060411) Grades 11-12
Learn & Engage	**Learn & Engage**
Understand economic systems	Foster positive relationships with customers
Role and function of human resources	Social Entrepreneurship - Shark Tank

Computer Tech I MOS/Digital Literacy (060112) - Grades 9-12	Computer Tech II/Office Administration (070743) - Grades 11-12
Learn & Engage	**Learn & Engage**
MOS certification	Business writing (resume, work portfolio)
Projects related to Excel, PowerPoint and Word	Presentation concepts and visual aids

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn & Engage	Engage
Communication and active listening	Business laws and regulations

HIGHLANDS HIGH SCHOOL

Administrative Support

The Administrative Support Pathway generally prepares individuals to perform the duties of administrative assistants and/ or secretaries and stenographers.

It includes instruction in business communications, principles of business law, word processing and data entry, office machine operation and maintenance, office procedures, public relations, secretarial accounting, filing systems and records management, and report preparation.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options
- Administrative Assistant
- Human Resources Specialist
- Bookkeeper
- Court Reporter
- Billing & Accounts Collector

Courses

Computer Tech I MOS/ Digital Literacy (060112) Grades 9-12

Learn	Engage
Use productivity software	Professional resume
Use information ethically	Data analysis
Operating system basics	Presentations
Identify the societal impact of technology	MOS certification

Accounting and Finance Foundations (060122) - Grades 10-12

Learn	Engage
Work and business ethics	Letter of application, resume, and certificates
Internet safety and e-commerce regulations	Merchandising operations
Banks and stock markets	Tax form completion
Proprietorships, partnerships, and corporations	Financial condition case studies

Computer Tech II/Office Administration (070743) - Grades 10-12

Learn	Engage
Internet use and security	Microsoft Office Specialist (MOS) certification
Social media for business growth	Professional visual aids
Public speaking and oral presentation technique	Resume development and job applications

Choose 1 of the following

Business and Marketing Essentials (060111) - Grades 8-10	Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12
Learn & Engage	**Learn & Engage**
Human Resources management	Manage internal and external business relationships to foster positive interactions
Use of information-technology tools	Fortune 50 Company - Innovation experience
Kings Island Marketing Day	Historical leadership site visits

HIGHLANDS HIGH SCHOOL

App Development @ Launch

The App Development program allows students to complete projects of their own design and interest, while performing the type of work they can expect in an app development workplace.

The listed courses are taught together during a 2-period block at Launch @ 20 Grand.

College & Career Options
- App Developer
- Computer Science
- Computer Information Technology
- Data Scientist
- Cybersecurity

Courses

AP Computer Science Principles (110711) - Grades 11-12	
Learn	**Engage**
Characteristics of the Internet	Creation of computational artifacts
Cybersecurity concerns	Correct programming
Beneficial and harmful effects of computing	Development of algorithms
Computing in economic and social contexts	Models and simulations
Managing navigation and workflows	Data persistence and table views

App Development with Swift (110821) - Grades 11-12	
Learn	**Engage**
Documenting and building in Xcode	App Development with Swift certification
Strings, functions, structures, collections, and loops	Designing and prototyping iOS apps
Saving, sharing, and collaborating on design	ARKit and UIKit frameworks
Table-based interfaces	Object-oriented and protocol-oriented programming

Business Analytics @Launch

The Business Analytics Flight Path provides students the opportunity to gain real-world experience in a new and growing business major and career. Students will work on solving data-centered business problems using project based learning.

The curriculum focuses on economics and applied mathematical skills, to analyze the global economy.

The Business Analytics Flight Path emphasizes the ability to formulate insightful questions using real and relevant data to interpret and improve decision making.

College & Career Options

- Data Scientist, With An Emphasis On Computer Science
- Data Scientist, With An Emphasis On Analysis
- Quantitative Analyst/Modeler
- Data Business Analyst
- Business Analyst Manager Or Consultant
- Market Research Analyst

Courses

AP Economics: Macro (450605) - Grades 11-12	AP Economics: Micro (450606) - Grades 11-12
Learn & Engage	**Learn & Engage**
Principles of an economic system as a whole	Compare the roles of consumers and producers in the product labor and financial markets and the economy as a whole
Economic performance measures	
Financial sector, stabilization policies, economic growth, and international economics	Principles of economics that apply to the functions of individual economic decision-makers
Study of national income and price-level determination	Operation of product and factor markets, distributions of income, market failure
Using graphs, charts and data to analyze, describe and explain economic concepts	Role of government in promoting greater efficiency and equity in the economy

AP Research Project (230171) - Grades 11-12	
Learn	**Engage**
Deeply explore an academic topic, problem or issue of individual interest	Design, plan, and conduct a year-long research based investigation to address a research question
Understand research methods and employing ethical research practices	Explore skill development, document process and curate artifacts in the development of scholarly work
Analyzing and synthesizing information	

Upper Level Math Course *(in Development)*	
Learn	**Engage**

HIGHLANDS HIGH SCHOOL

Culinary & Food Services

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

College & Career Options
- Chef/Cook
- Baker
- Entrepreneur
- Culinary Arts degree
- Hospitality Management

Courses

FACS Essentials (200113) - Grades 9-10

Learn	Engage
Peer and adolescent behavior	Personal budgets
Balancing work and family demands	Short term and long term goal setting
Design elements and principles	Diet, exercise, and rest choices

Foods and Nutrition (200441) - Grades 9-12

Learn	Engage
Practice basic cooking methods	Cupcake Wars and Food Truck Projects
Demonstrate knowledge of food safety	Meal Planning and Food Innovations Projects
Identify influences that related to food choices	Food labs

Culinary Arts I (200411) - Grades 10-12

Learn	Engage
Practice tool, knife, and equipment handling	ServSafe Manager's Certificate
Demonstrate food handling skills	Chili cook-off
Apply fundamentals of baking a variety of products	Various catering jobs
Prepare gourmet and international cuisine	Create of menu layouts and design

Culinary Arts II (200412) - Grades 11-12

Learn	Engage
Garnishing and display techniques for display	Various catering jobs
Proper weighing and measuring techniques	Employability portfolio
Roles of front and back of the house operations	Menu planning project
Planning of special events and receptions	

HIGHLANDS HIGH SCHOOL

e-Commerce

In the e-Commerce Pathway, students focus on the creation, execution, transmission, and evaluation of commercial messages in various media intended to promote and sell products, services, and brands; and that prepares individuals to function as advertising assistants, technicians, and managers.

The Pathway includes instruction in advertising theory; marketing strategy; advertising design and production methods; campaign methods and techniques; media management; related principles of business management; and applicable technical and equipment skills.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options
- Business
- Web Design
- Consumerism
- Web Administration
- Market Research Analyst
- Web Development

Courses

Business and Marketing Essentials (060111) - Grades 8-10

Learn	Engage
Understand economic systems	Marketing Day at Kings Island
Understand the nature of business to show its contributions to society	Historical business scavenger hunt
Understand marketing's role and function	

Digital Literacy / Computer Tech 1 (060112) - Grades 9-12

Learn	Engage
Use productivity software	Professional resume
Use information ethically	Data analysis
Operating system basics	Presentations
Identify the societal impact of technology	MOS Certification

Fundamentals of Social Media Marketing (081310) - Grades 11-12

Learn	Engage
Use digital tools to collect, organize and share info	Social media business consultation project
Compose social media strategies	Analysis of influencer and Reality TV market

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12	Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12
Learn & Engage	**Learn & Engage**
Small business partnership collaboration	Manage internal & external business relationships to foster positive interactions
Industry and University site visits	Fortune 50 Company - Innovation experience
Conceive, create and develop entrepreneurial concepts	Historical leadership site visits

HIGHLANDS HIGH SCHOOL

Early Childhood Education

The Early Childhood Education pathway will address a skill set necessary to teach students ranging in age from infancy through eight years (grade three) depending on the school system and regulations.

This pathway is targeted for individuals preparing for careers related to early childhood education.

Students could also be eligible for Kentucky's Tech-Ready Apprenticeship program. Apprentices earn wages through on-the-job training at a child care center before, during, and/or after school hours. Apprentices transition into a full-time position after graduation.

College & Careers Options
- Early Childhood Educator
- Psychologist
- Nanny
- Pediatrician
- Midwife

Courses

Early Lifespan Development (200223) - Grades 9-11

Learn	Engage
Describe human growth and development	HHS preschool program
Compare and contrast prenatal development	Real care baby simulation
Identify factors that promote growth in children	Flowerpots/Families project
Identify health and safety issues for children	Children's book project

Childhood Development Services I (200261) - Grades 10-12

Learn	Engage
Explore philosophies of child development theorists.	HHS Preschool Program
Explain procedures for caring for a child under different circumstances	Work experience at local preschools/daycares
Identify records and tools for assessing child development	First Aid/CPR training
Analyze a daily schedule for children in group care.	Industry certifications

Childhood Development Services II (200262) - Grades 11-12

Learn	Engage
Identify legal requirements of opening a childcare center	HHS Preschool Program
Explore effective communication with parents and guardians	Work experience at local preschools/daycares
Identify community resources available to use at a child care facility	Write age appropriate lesson plans

FACS Essentials OR Co-op Early Childhood Education (Choose 1)

FACS Essentials (20113)	Co-op: Early Childhood Education (20021)
HHS Preschool Program	Receive work experience
Food Labs - Individual items and meals	Integrate classroom studies with work experience
Interior design space planning project	Exposure to facilities and equiptment

HIGHLANDS HIGH SCHOOL

Engineering & Technology Design
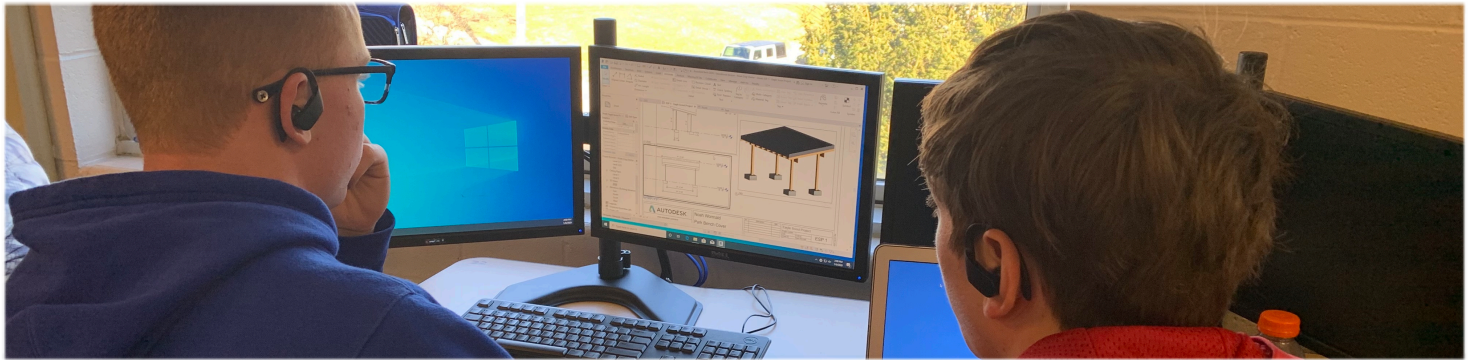
Courses

The Engineering and Technology Design program is designed for students interested in the various disciplines of engineering.

The sequence of courses will provide students with the opportunity to develop critical thinking skills and understanding of engineering concepts. Students then apply these skills in conjunction the engineering design process to solve real-world problems. It includes instruction in two dimensional and/or three dimensional engineering design software, solid modeling and engineering animation to solve real-world problems.

College & Career Options
- Post secondary studies
- Engineers
- Architects
- Cad designers

Engineering I (210221) - Grades 8-12

Learn and Engage	Learn and Engage
Learn about the design process	Sketch and build projects
Perform modeling and create prototype	Authentic projects with CAD
Basic CAD functions	Design and test with Dragster and Bridges

Engineering II (210222) OR Architecture Design (210140) - Grades 9-12

Learn and Engage	Learn and Engage
Apply the design process	Earn Auto Desk Inventor certification
Create models and prototypes	CNC milling
Develop understanding of 2D and 3D CAD	Laser engraving

Architecture Design (210140) OR Dual Credit NKU CAD I (EGT 212) - Grades 10-12

Learn and Engage	Learn and Engage
Earn Auto Desk Inventor certification	Earn Auto Desk Certification
CNC milling	Sketch and build projects with 3D software
Laser engraving	Authentic projects and 3D printing

Engineering Capstone (UC Dual Credit) - Grades 11-12 or Engineering Co-op (210330) - Grades 12

Learn and Engage	Learn and Engage
Apply the design process involving problems	Work in teams to solve problems
Demonstrate competencies in 2D and 3D	Produce- CNC, milling, 3D, laser engraving

Internship (210331) - Grade 12

Learn and Engage	Learn and Engage
Apply the design process involving problems	Work in teams to solve problems
Develop 2D and 3D drawings	Produce- CNC, milling, 3D, laser engraving

HIGHLANDS HIGH SCHOOL

Entrepreneurship @Launch

The Entrepreneurship Flight Path helps students examine the essential roles of entrepreneurs in the global economy.

This Flight Path studies entrepreneurs, managers, and the enterprises that create a process of value creation. Students will be exposed to for profit, not for profit and corporate business structures to evaluate innovative business concepts.

College & Career Options
- Innovation and Entrepreneurial Studies
- General Business
- Project Manager
- Marketing
- Public Relations

Courses

Introduction to Management (060411)
Grades 11-12

Learn	Engage
Different Styles of Management	Advertising consultation
Foster positive relationships with customers	Social Entrepreneurship - Shark Tank
Business and its contributions to society	

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12

Learn	Engage
View entrepreneurship as a value- creation process with ideation and opportunity recognition	Small business partnership collaboration
Conceive, create and develop entrepreneurial concepts	University and industry site visits
Analyze and critically evaluate the potential of new business concepts	

Ethical Leadership (Dual Credit - LEAD 200) - Grades 11-12

Learn	Engage
Foundational knowledge of business ethics, laws & regulations	Fortune 50 company experience
Manage internal & external business relationships to foster positive interactions	Business ethics analysis using TV show "The Office"
Use critical-thinking skills to determine best options/ outcomes	Historical leadership site visits.

HIGHLANDS HIGH SCHOOL

Fashion & Interior Design

Courses

The Fashion and Interior Design pathway will address a skill set necessary for success in the fashion industry as well as a career in the residential housing and furnishings industry.

Fashion and Interior Design I counts as an Arts & Humanities credit. In addition to the courses listed, students may also complete a course in Fashion and Interior Design III (200826) in grade 11 or 12. In this advanced grading scale course, students complete projects in Marketing & Merchandising, and Recycling/Repurposing/Reusing, and Fast Fashion.

College & Career Options
- Apparel/Textile Design
- Interiors: Planning, Strategy, and Design
- Retail Buyer
- Fashion Marketing

FACS Essentials (200113) - Grades 8-10

Learn	Engage
Peer and adolescent behavior	HHS Preschool program
Balancing work and family demands	Food Labs - Individual items and meals
Design elements and principles	Interior design space planning project

Fashion and Interior Design I (200821) - Grades 9-12

Learn	Engage
Fashion throughout the world and cultures	Designing for "A Client"
Fashion history	Sewing projects - minimum 2
Fashion and interior sketching	Space planning project
Fashion designing and fashion capital	Quilt project

Fashion and Interior Design II (200825) - Grades 10-12

Learning	Engage
Client based budgeting and choice	Student selected sewing projects
Serger and embroidery machine use	Designing a furniture line
Fiber and fabric characteristics	Textile projects - dyeing fabric and fiber burn tests
Pattern layouts and cuts	Bluebird Embroidery - student run business

Internship: Fashion and Interior Design (200801) - Grades 11-12

Learn	Engage
Career awareness and career choices	Work experience related to career
Integrated classroom studies	Employability potential
Exposure to industry facilities and equipment	Planning and operating Bluebird Embroidery

HIGHLANDS HIGH SCHOOL

Health Innovation @Launch

The Health Innovations program is a collaboration between Highlands High School and Northern Kentucky University. It is designed to assist students toward a career in health studies.

Students who take part in this Flight Path would be working to develop skills that would open the door to hundreds of careers in the healthcare industry.

This Flight Path is appropriate for students interested in any healthcare field. Requires school counselor approval.

College & Career Options
- Health Care
- Doctor of Medicine
- Nursing
- Emergency Medical Tech
- Dentistry
- Pharmacology
- Healthcare Administration

Courses

Intro to Health Professions (Dual Credit - HSC 101) - Grades 11-12

Learn	Engage
Healthcare delivery systems	Interactive field trips
Roles of healthcare practitioners	Visits to NKU Health Innovation Center
Communication, safety, and professinoalism	Clinical, radiology, cadaver, and CPR training labs for hand on experience
Healthcare trends	

Safety and First Aid (Dual Credit - HEA 135) - Grades 11-12

Learn	Engage
Types of injuries, emergencies, and sudden illness	CPR and first aid training and certification
General safety education	American Red Cross certification
Accident causes and remedial action	

Health Professions Investigation (170111) - Grades 11-12

Learn	Engage
College career paths for chosen field	Shadowing healthcare professionals at hospitals and offices
Exposure to various healthcare professions	Internships available at private offices
	Industry certification in Allied Health

HIGHLANDS HIGH SCHOOL

Computer Information Support & Services
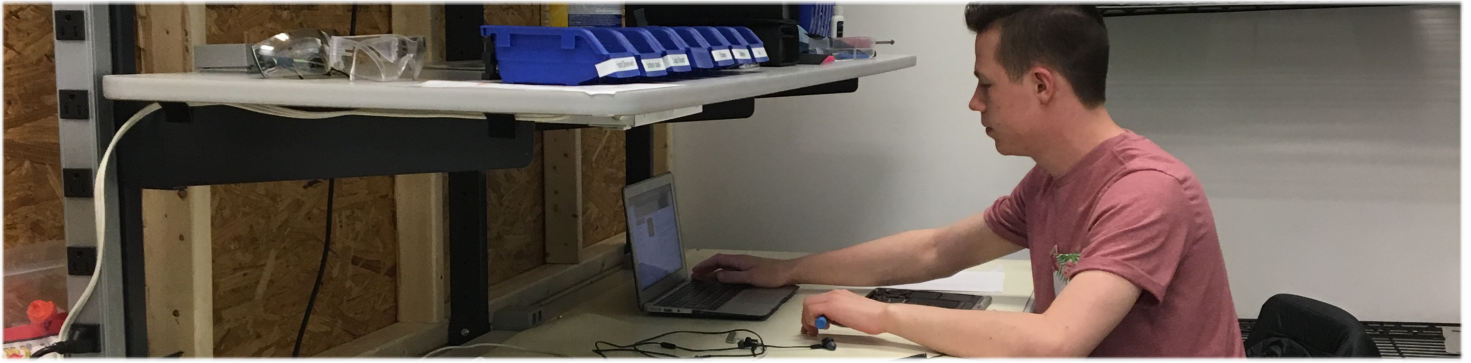
The Information and Support Services pathway focuses on the design and maintenance of computing systems.

Courses associated with this pathway include Digital Literacy, Help Desk Operations, Computer Hardware and Software Maintenance, and Information Technology Internship.

At Highlands High School this includes students helping to maintain the district's 1:1 initiative. Students could become an Apple Certified Macintosh Technician (ACMT).

College and Career Options
- Apple technician
- At Home Advisor
- Help Desk Support
- Cybersecurity
- Computer Information Systems

Courses

Digital Literacy / Computer Tech 1 (060112) - Grades 9-12

Learn	Engage
Use productivity software	Professional resume
Use information ethically	Data analysis
Operating system basics	Presentations
Identify the societal impact of technology	MOS certification

Help Desk Operations (110102) - Grades 10-12

Learn	Engage
Identify common support problems	ACMT certification
Demonstrate professional communication	Real time technical support
Methodically problem solve	Device repair management methods
Use support and reporting tools	Help desk ticketing systems

Computer Hardware and Software Maintenance (110101) - Grades 11-12

Learn	Engage
Identify common basic diagnostic procedures	Device component replacements
Apply troubleshooting process and diagnoses	Upgrades of operating systems
Communication skills and professional behaviors	Communication
Utilize command line tasks	Beta testing applications and macOS

Information Technology Internship (110919) - Grades 11-12

Learn	Engage
Demonstrate and practice safe work habits	Authentic hands-on experience
Gain career awareness and test opportunity	Career related workspace and equipment
Receive work experience related to career interest	Classroom and workplace integration

HIGHLANDS HIGH SCHOOL

Management & Entrepreneurship

The Management and Entrepreneurship Pathway generally prepares individuals to plan, organize, direct and control the functions and processes of a firm or organization.

The Pathway includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods purchasing and logistics, organizations and production, marketing, and business decision-making.

*Some of these courses take place at Launch. Please consult with your School Counselor if interested in this Pathway.

College & Career Options
- Entry Level Manager
- Money Manager
- Account Manager
- Real Estate Agent
- Venture Capitalist
- Insurance Agent
- Association Manager

Courses

Business & Marketing Essentials (060111) Grades 8-10	Introduction to Management (060411) Grades 11-12
Learn & Engage Human Resources management Use of information-technology tools Kings Island Marketing Day	**Learn & Engage** Foster positive relationships with customers Advertising consultation project Social Entrepreneurship - Shark Tank

Entrepreneurial Mindset (Dual Credit - ENTP 201) - Grades 11-12	
Learn View entrepreneurship as a value- creation process with ideation and opportunity recognition Conceive, create and develop entrepreneurial concepts Analyze and critically evaluate the potential of new business concepts	**Engage** Small business partnership collaboration Industry and University site visits Conceive, create and develop entrepreneurial concepts

Choose 1-2 of the following

Computer Tech I MOS/ Digital Literacy (060112) Grades 9-12	
Learn Use productivity software Use information ethically Operating system basics	**Engage** Professional resume and presentations Data analysis MOS certificatio

Ethical Leadership (Dual Credit - LEAD 200) Grades 11-12	Business Economics (080317) OR AP Macroeconomics (450605) Grades 11-12
Learn & Engage Open, honest, communication Project management Team skills and work habits	**Learn & Engage** Principles of economics Business economics concepts Inflation and unemployment and impact on private & public sectors

HIGHLANDS HIGH SCHOOL

Media Arts

In Cinematography and Video Production, students will be prepared to communicate dramatic information, ideas, modes and feelings through the making and producing of videos and cinematographic expression.

The pathway includes the theory of video, video technology and equipment operation, video production, video directing, video editing, cinematographic art, video and audio technique, and multimedia production.

College & Career Options
- Media programming/ organization staff
- Producer
- Director
- Media programming/ organization manager

Courses

Intro to Filmmaking/Broadcasting (480901) - Grades 9-12

Learn	Engage
History of filmmaking and broadcast	Industry standard software
Audience identification	Filmmaking equipment
Elements and principles of design	Pitch and presentation of film and broadcasting
Production process	News production

News Broadcasting I (480911) - Grades 10-12

Learn	Engage
Project leadership and collaborative skills	Monthly news program
Hosting and ad lib announcing	Video announcements
Evaluation and critique of media arts	Directing and producing media programs
Framing and compositions	Recorded and edited spots

Advanced Filmmaking (480910) - Grades 10-12

Learn	Engage
Lighting technique	Genre based scriptwriting
Sound capture and editing	Documentaries
Scripting, creating, and applying storyboards	Trailers and short films
Camera placement and operation	Adobe product certifications

Video Production (480912) - Grades 11-12

Learn	Engage
Proposals and preproduction planning	Community and school based video projects
Camera, lighting, and sound principles	Direct client interactions
Advanced postproduction processes	Advanced graphics and special effects

Teaching & Learning

The Teaching and Learning Pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education. Through a wonderful partnership with Northern Kentucky University's School-Based Scholars Program, students in this pathway have the opportunity to earn twelve (12) total hours of college dual credit coursework that transfer to the Teacher Education Program. These courses involve a hybrid approach of in-class and online course offerings.

The purpose the pathway is to empower students with the knowledge, dispositions, and skills to be effective educators in a variety of disciplines and grade levels. Cooperative experience, internships, shadowing, and mentoring opportunities provide depth and breadth of learning in the instructional program, and allow students to directly apply concepts

College & Career Options

- Teacher
- School Counselor
- School Psychologist
- Educational Consultant
- Professor

Courses

Orientation to Education (Dual Credit - EDU 104) / Introduction to Education (Dual Credit -EDU 305) Grades 11-12

Learn	Engage
Explore the education profession	Field experience
KY teacher standards	Educational career exploration
Contemporary educational theory	

Human Growth and Development (Dual Credit - EDU 300) - Grades 11-12	Racism & Sexism in Edu. Institutions (Dual Credit - EDU 316) - Grade 12
Learn & Engage	**Learn & Engage**
Life-span human development	Introduction of racism and sexism in the U.S.
Physical, cognitive, social & personal development	Prejudice, assimilation, feminism & cultural reproduction
Student development at specific levels of instruction	Social, cultural, political, psychological, & economic exclusion

Education Capstone (Dual Credit - EDU 592) - Grade 12

Learn	Engage
Inquiry-based data collection	Project-based learning focused on research, creativity, and application
Application of educational theories & research	
Action planning	