



Eastern Kentucky University is a nationally recognized public university located in Richmond, Kentucky. ECU began offering online degrees in 2006 and continues to service students with both on-campus and online offerings.

BENEFITS

- Free textbooks for all students with [EKU BookSmart](#)
- Accelerated 8-week terms
- IFSAC-accredited programs
- Nationally renowned instructors comprised of former fire chiefs, fire marshals, engineers and investigators, prominent for their professional achievements and success in the field
- Free online tutoring
- Eligible for federal financial aid and scholarships
- [Tuition discounts for active duty military and their spouses](#)

Fire Science

Bachelor of Science in

Fire Protection Administration

EKU is one of only a handful of colleges and universities in the nation to offer a comprehensive fire protection administration degree. This unique program combines the latest science and technology to provide graduates with the knowledge and managerial skill sets needed for successful leadership in fire-fighting operations. Our graduates are positioned to pursue advanced degrees and gain a competitive edge in the job market.



ONLINE



**\$443 PER
CREDIT HOUR**



OTHER FIRE SCIENCE DEGREES & CERTIFICATES

- [BS Fire Protection & Safety Engineering Technology](#)
- [BS Fire, Arson & Explosion Investigation](#)
- [Certificate in Industrial Fire Protection](#)



[EKU Online Fire Science Programs](#)

521 Lancaster Ave.
Richmond, KY 40475

859-622-4455

onlinedegrees@eku.edu

CORE COURSES

Fire Prevention - FSE 101

An introduction to fire and safety related codes; fire prevention methods; mechanical systems; and engineering solutions for hazards. An in-depth look at the Life Safety Code, the function and testing of fire related building components.

Fire Behavior and Combustion - FSE 120

Introduction to the chemistry and dynamics of fire; including basic terminology and concepts that are applied to the physical and chemical properties of the development and spread of fire in a structure; hazardous materials and the Computer Fire Analysis.

Building Construction - FSE 201

A review of the analysis of building construction methods and terminology. A systems approach to designing building fire safety; the Life Safety Code; the function of and testing of rated building components, evaluating plans for codes compliance.

Fire Detection and Suppression Systems - FSE 221

Introduction to fire detection, protection, control systems and extinguishment. Fixed and portable systems of the following types will be studied: automatic sprinklers, standpipes, dry chemical, foam, halogenated agents, fire alarm systems and diction.

Fire and Emergency Scene Operation - FSE 223

Principles of incident management including emergency scene decisions, strategies and tactics. Utilizing emergency control resources such as personnel, apparatus and equipment.

Legal Aspects of Fire Protection and Safety - FSE 225

A study of legislative and legal decisions relating to personnel practices, employee safety and public protection. Emphasizes the legal responsibilities, liabilities and authority of the fire service practitioner.

Fire Prevention Organization and Management - FSE 230

An introduction to management issues related to fire prevention systems. Overview of the requirements for fire prevention codes, managing inspections, relations with public and officials, and implementation of fire education programs.

Technical Report Writing for Emergency Services - FSE 300

Develop oral and written communication skills specific to the public emergency service sector's needs. Focusing on the technical aspects involved in supporting public initiatives operating within the legal system and learning the specific requirements for submitting documentation to various technical committees.

Hazardous Materials - FSE 305

Study of hazardous material problems in transportation, storage and use. Chemical properties relating to specific reactions, engineering controls and control in an emergency situation. Emphasis on the role of pre-emergency planning, combating, coordinating and controlling of hazardous materials incident.

Principles of Emergency Services - FSE 320

An overview of organizational and management practices in the fire and safety fields. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

Water-Based Fire Protection Systems Design - FSE 322

Analysis and evaluation of specific code requirements related to the design, inspection, testing and maintenance of water-based fire protection systems. Design projects will be included.

Applied Learning in Fire and Safety - FSE 349

Work in placements related to academic studies.

Fire Arson and Explosion Investigation I - FSE 350

An in-depth study in the analysis of fire, arson and explosion scenes. Emphasis will be placed on the principles and techniques of scene preservation and analysis, management of investigative functions, documentation of the scene and determination of the cause and origin of fire.

**Fire Dynamics - FSE 355**

An introduction to the fire-related measurement techniques, advanced fire and combustion concepts and associated terminology. This course includes basic numerical methods for understanding fire dynamics.

Fire Protection Hydraulics and Water Supply - FSE 360

A study of water at rest and in motion, Bernoulli's and Pascal's theorems; water distribution systems, velocity, friction loss, pump and nozzle pressures required for fire protection.

Instructional Methodology for Emergency Services - FSE 365

Course provides students with opportunities to develop presentation skills used in classroom instruction. Develop lesson plans, prepare audio-visual aids and props for the class. Prepare evaluation methodologies that competently assure learning objectives during delivery of presentations.

Emergency Service Resources Management - FSE 375

An introduction to management issues related to obtaining and accounting for resource. Included are financial management processes, acquisition strategies, strategies for maintenance of effort and resource prioritization, resource replacement planning and processes to audit program success.

Advanced Emergency Services - FSE 400

A study of environmental management including the identification and analysis of key managerial issues confronting contemporary fire services managers. Application in current methods and planning, organizing, developing and evaluating public fire/emergency services organizations.

Disaster and Community Fire Defense Planning - FSE 425

Overview of the ever changing demographics of the departmental jurisdictions and response during community service master planning, identifying hazards then assessing risks associated with those hazards. Analysis of potential disaster and recovery methods.

Workers Compensation - OSH 390

Comprehensive study of workers' compensation. Topics range from coverage to claims, including in-depth study of the legal, no-fault, exclusive remedy nature of claims; underwriting and experience rating; business loss control measures; and loss control profession.

SUPPORTING COURSE REQUIREMENTS 14 HOURS**Introductory Chemistry I/Introductory Chemistry Lab I - CHE 101/101L**

Basic principles of structure and properties of matter, chemical nomenclature and reactivity. Relates chemistry concepts to everyday life phenomena.

Geographic Information Systems - GEO 353

Introduction to GIS principles, methods, operations, mapping, and applications. Topics include spatial data, databases, GIS analysis, models, site suitability, environmental and social applications, and more. Hands-on emphasis using ArcGis.

College Algebra - MAT 114

Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions.

Introduction to Psychology - PSY 200

A survey of the major content areas and methods of psychology including history, biological correlates, cognition, language, intelligence, motivation, emotion, development, personality, abnormal, therapy, and social behavior.

FREE ELECTIVES 9 HOURS

EKU UNDERGRADUATE CATALOG

A total of 120 credit hours are required for the B.S. in Fire Protection Administration. Additional requirements not listed include ECU's standard general education requirements.

BS FIRE PROTECTION ADMINISTRATION...120 HOURS TOTAL

What can I do with this degree?

CAREER OUTLOOK

The United States Bureau of Labor Statistics (BLS) predicts that employment of firefighters will increase by 6% before 2029 and employment of fire inspectors and hazardous materials workers is projected to grow 8 percent in the same time period.

Leadership within the fire industry will be increasingly important to ensure operations run smoothly and the emergency needs of communities are met.

Job Opportunities Include:

- Firefighter
- Fire chief
- Fire marshal
- Fire safety director or officer
- Building inspector
- Fire investigator
- Hazardous materials specialist

[SALARY ESTIMATES](#)

Why should I choose ECU Online?

STUDENT PERSPECTIVE

“My ECU degree has prepared me to be a more competent and confident leader. With the leadership tools I gained during my time at ECU I am better able to evaluate emergency situations and keep my team and civilians safe under dangerous circumstances. I am also better equipped to evaluate our performance and suggest administrative and policy changes to improve the services that we deliver to our community.”

- Bryan B. O’Neil,

Online Fire Protection Administration Graduate

[SEE OTHER ECU STUDENT STORIES](#)

Can I afford to go back to school?

FINANCIAL AID & SCHOLARSHIPS

Paying for school doesn't have to be overwhelming. Almost everyone, regardless of income, can qualify for some form of financial aid. Learn about available options and what may be right for your unique situation.

- Grants
- Federal Loans
- Private Loans
- Military Benefits
- Departmental Scholarships
- Outside Scholarships
- Foundation Scholarships
- Employer Tuition Reimbursement

MORE FINANCIAL AID INFO

Questions about financial aid?

Big E Central

BigECentral@eku.edu

(859) 622-2361

EKU Online offers a range of scholarships designed to address the financial needs of our students, lower the overall cost of attendance and reward a student's scholastic achievements.

EKU UNIVERSITY SCHOLARSHIPS

Start Strong Scholarship Fund

undergraduate programs only

The Start Strong Scholarship provides up to \$2,000 per year of need-based scholarship funds for newly admitted undergraduate students. Candidates must have a completed FAFSA application, but are not required to be eligible for FAFSA-awarded funding.

Stay Strong Scholarship Fund

undergraduate programs only

The Stay Strong Scholarship provides up to \$1,000 per year of need-based scholarship funds for qualified undergraduate students who have completed two semesters with EKU Online and have earned a 3.5 GPA or higher their previous semester. Candidates must have a completed FAFSA application, but are not required to be eligible for FAFSA awarded funding.

Omega Nu Lambda Honor Society Scholarship Fund

In recognition of your accomplishments as an online student, Omega Nu Lambda Honor Society provides members with an opportunity to apply for a scholarship in both fall and spring. Fall scholarships are announced in November and spring are announced in April.

EKU Foundation Scholarship

The Eastern Kentucky University Foundation, through the generosity of its donors, offers a variety of scholarship opportunities to deserving students. [EKU Foundation scholarships](#) are awarded through the University Scholarship Office and at college and department levels. New and renewable awards of EKU Foundation scholarships are subject to available funds each year.

MORE SCHOLARSHIP INFO

When will I start classes?

APPLICATION DEADLINES

TERM	APPLY BY	BEGIN CLASSES
Fall A	July 5	August
Fall B	August 31	October
Spring A	November 30	January
Spring B	January 31	March
Summer A	April 5	May
Summer B	May 31	June

What do I need to apply?

ADMISSION REQUIREMENTS

First-Time Freshman

- Standard Admission:
high school cumulative GPA (unweighted): 2.50 or higher
- Success First Admission:
high school cumulative GPA (unweighted): 2.00-2.49
- Minimum high school GPA of 2.0 on a 4.0 scale

While test scores are not required for admissions purposes, students are encouraged to submit test scores for proper course placement in English and mathematics courses.

Transfer Students

- Cumulative grade point average (GPA) of 2.0 on a 4.0 scale
- In good academic and financial standing at previous institution
- Students who have earned 23 hours or fewer of college credits after high school graduation must also provide a final high school transcript and meet the requirements for incoming freshmen

ADMISSION INFORMATION

How do I apply?

APPLICATION PROCESS

First-time Freshman:

Step 1: Complete the free online application at:
https://application.eku.edu/portal/apply_eku

START MY APPLICATION

Step 2: Submit your high school transcripts to the Office of Admissions.

Step 3: Submit ACT or SAT scores (not required, but encouraged for determining appropriate course placement).

Transfer Students:

Step 1: Complete the free online application at:
https://application.eku.edu/portal/apply_eku

START MY APPLICATION

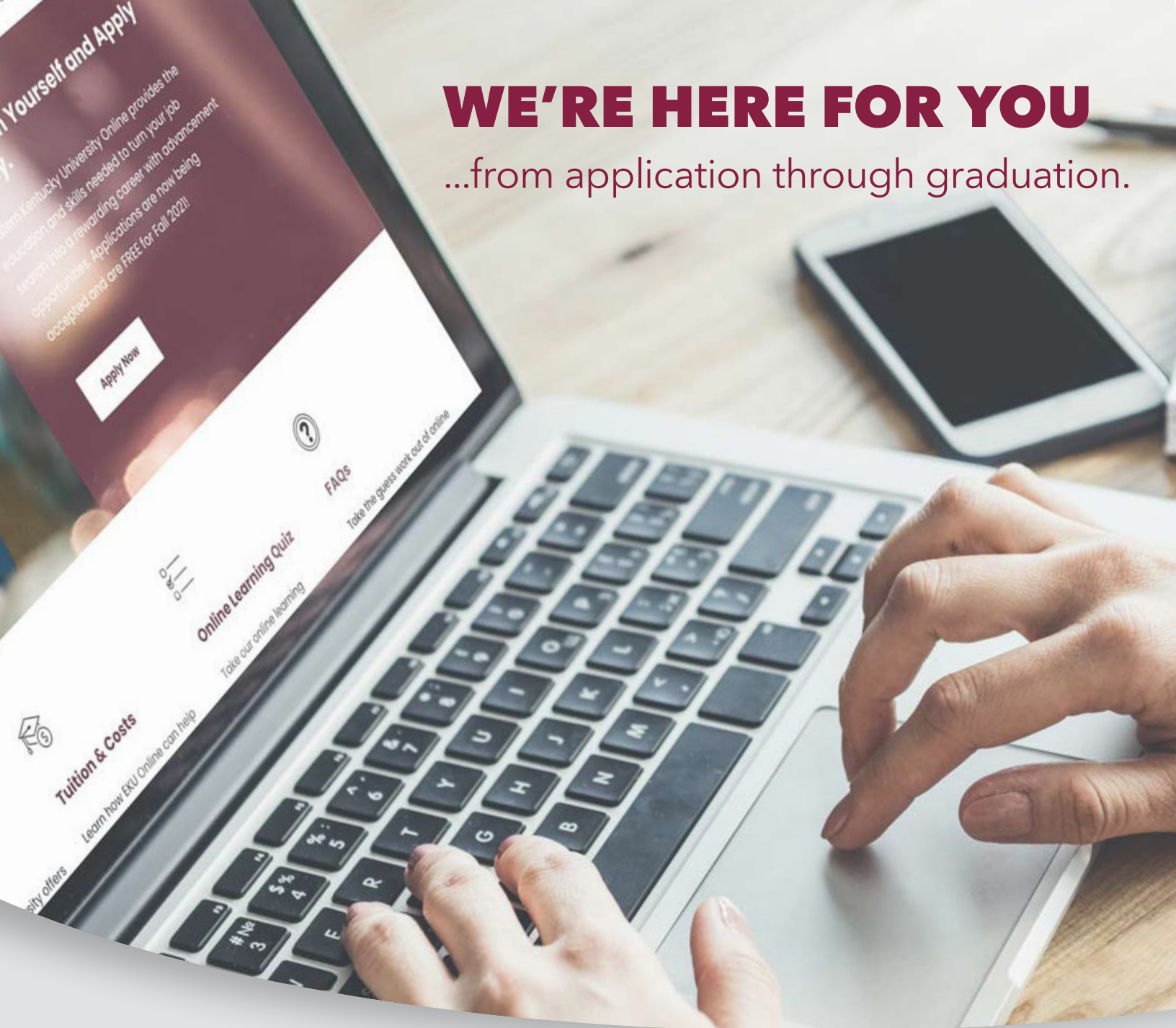
Step 2: Send us your high school transcript (if you have 23 or fewer credit hours).

Step 3: [Send us your official transcripts](#) from each accredited university you attended, including dual credit from high school.

What are you waiting for?

GET STARTED TODAY!





WE'RE HERE FOR YOU

...from application through graduation.



Jordan Tayce
Enrollment Advisor

☎ 859-622-7964

✉ Jordan.Tayce@eku.edu

EKU
ONLINE

SCHEDULE A CALL

Eastern Kentucky University is an Equal Opportunity employer and educational institution and does not discriminate on the basis of age (40 and over), race, color, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, ethnicity, disability, national origin, veteran status, and/or genetic information in the admission to, or participation in, any educational program or activity (e.g., athletics, academics and housing) which it conducts, or in any employment policy or practice. Any complaint arising by reason of alleged discrimination should be directed to the Office of Institutional Equity, Eastern Kentucky University, Jones Bldg. Room 416, Richmond, Kentucky 40475 (859) 622-8020, or the Assistant Secretary for Civil Rights, U.S. Department of Education, Office for Civil Rights, Lyndon Baines Johnson Department of Education Building, 400 Maryland Avenue, SW, Washington, DC. 20202 1-800-421-3481(V), 1-800- 877-8339 (TTY).