



100% Online Bachelor of Science in Occupational Safety

The professional demands of occupational safety specialists are changing rapidly in the modern workforce. Success depends on the ability to adapt to diverse workplace settings, constantly changing codes and regulations, and unforeseen hazards and threats.

EKU's online bachelor of science in occupational safety degree can help you grow with the industry and cement a career as a safety leader. Expand your knowledge by diving into topics ranging from employee safety education to regulatory compliance to policy and enforcement. You can immediately apply your newfound knowledge in your current position or pursue new career opportunities and increased responsibility.



100%
ONLINE



\$443 PER
CREDIT HOUR

EKU
ONLINE

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

- Accelerated 8-week terms
- 6 start dates per year
- Free textbooks for all students with [EQU BookSmart](#)
- No application fee
- No campus visits required
- Gain a competitive advantage from ECU's internship agreements, industry affiliations and Career Development and Placement Office
- Graduate in as few as 2.5 years
- Learn from expert public and private sector safety professionals
- Earn credit for prior safety experience through our credit for prior learning portfolio process
- [Reduced tuition for active duty service members and their spouses](#)
- Advance your education while remaining active as a safety professional
- Personalized graduation plan
- Free online tutoring and career services assistance
- Ranked by *U.S. News & World Report* among the best universities offering online degrees

521 Lancaster Ave.
Richmond, KY 40475

859-622-4455

onlinedegrees@eku.edu



[EQU Online Occupational Safety Degree](#)

CORE COURSES

Introduction to Safety Studies - OSH 110

Students will develop the necessary writing, study, research, and Blackboard navigation skills. Topics include history of OSHA, safety ethics, basic hazard identification and analysis, and safety profession and hazard reports.

Principles of Occupational Safety and Health - OSH 261

History of the development of occupational safety and health. Methods of accident prevention and hazard control. Introduction to safety programs, worker's compensation, emergency preparedness and accident investigation.

Principles of Occupational Safety and Health Legislation - OSH 262

Review of OSHA standards with emphasis on compliance and liability reduction. Discussion of OSHA regulations including citations, penalties, inspections, and record keeping.

Safety Training Strategies - OSH 300

Students will learn how to apply adult learning and technical training strategies to occupational training programs for management and workforce safety related topics.

Measures of Safety Performance - OSH 350

Strategies and methods for calculating, analyzing, interpreting and communicating safety performance data. Presents lagging and leading metrics of safety, quantitative and qualitative statistical techniques, descriptive and inferential statistics, correlations, and financial principles.

Hazard Identification and Control - OSH 366

Hands-on approach toward identification and control. Areas of study include noise levels, chemical and electrical hazards, air contaminants, and heat/cold stress. Control measures include administrative, engineering, and safeguarding methods.

Human Factors in Occupational Safety - OSH 367

Focuses on ergonomics, man/machine interface and human efficiency. Study of work-related stress, psychological factors, and Cumulative Trauma Disorders. Solutions are reviewed for common problems found in labor-intensive operations.

Construction Safety - OSH 379

An in-depth analysis of the federal and Commonwealth of Kentucky's OSHA requirements for construction safety.

Workers Compensation - OSH 390

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.

Safety Management Systems - OSH 410W

This writing-intensive course is designed to provide the student with the knowledge and skills to apply safety management.

Safety Management Systems - OSH 412

Effective management and leadership principles applied to safety. Emphasis on developing organizational culture, key roles of safety professionals and preventing serious injuries. Strategies include identifying business concepts for safety, gaining meaningful employee engagement, and program development.

Senior Capstone - OSH 495

Students examine case studies, examine real life situations, combine knowledge they have gained from previous coursework, analyze and develop strategies, develop countermeasures, engage in strategic planning and policy development and training.

EKU UNDERGRADUATE CATALOG



SUPPORTING COURSE REQUIREMENTS

FIRE PREVENTION/PROTECTION

Choose from nine hours of the following:

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.

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.

Human Behavior in Fire - FSE 224

Examine current and past research on human behavior, systems models, life safety education and building design to determine interactions emergency situations. Develop a best practice building life safety system.

Applied Learning in Fire and Safety Engineering - FSE 349

Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

Legal Aspects of Occupational Safety - OSH 225

Study of the OSH Act, OSHA standards, correlating laws and legislation impacting the safety function and employee safety. Emphasis on legal rights, responsibilities, legal risks, liabilities, scope of authority, ethical/professional standards for safety professionals.

Hazardous Materials - OSH 305

This course introduces students to the anticipation, recognition, evaluation management, and control of hazardous materials through focusing on applicable general industry standards 29 CFR 1910 Subpart H. Topics include HAZWOPER, Compressed Gasses, Flammable and Combustible Liquids requirements, and others.

Topical Seminar - OSH 489

Development of special skills and content knowledge of contemporary issues in occupational safety. May be retaken to a maximum of six hours, provided the subject matter differs each time.

INDUSTRIAL RISK MANAGEMENT

Choose from 18 hours of the following:

One Health: Global Environmental Public Health - EHS 280

Elements of global environmental health from a One Health Perspective, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

Total Worker Health Principles - EHS 340

The impact of the workplace on safety and health, and methods for avoiding work-related illnesses. Emphasis will be on the evaluation and the control of the work environment to protect worker health.

Cyber and Physical Security - HLS 210

Principles of cyber and physical design and application to include assessments and subsequent identification of countermeasures as well as policy development and implementation in an effort to safeguard life and critical infrastructure.

Applied Learning in Occupational Safety - OSH 349

Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

Process Safety Management - OSH 370

This course is designed to introduce the occupational safety student to the process safety management standard, 29 CFR 1910.119, and cover complex management topics involved in managing processes of highly hazardous chemicals.

Environmental Law and Management - OSH 420

Review/analysis of laws affecting workplaces, including the Clean Water Act, Clean Air Act, RCRA and CERCLA. Additionally, study of these laws and related policies/practices will be covered as related to safety.

Topical Seminar - OSH 489

Development of special skills and content knowledge of contemporary issues in occupational safety. May be retaken to a maximum of six hours, provided the subject matter differs each time.

Independent Study - OSH 498

Individual reading and research on a problem or area within the field or Occupational Safety, after student consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours providing project title differs.

Basic Fleet Management - TRS 225

A classroom and laboratory program designed to introduce personnel to problems and practices of motor fleet safety programming and regulatory requirements.

OR

Marine Transportation Safety - TRS 395

This course explores the history of the development of marine safety and health and the functioning regulations. Emphasis is placed on OSHA 29 CFR standards and USCG Title 46 as resources.

SUPPORTING COURSE REQUIREMENTS

Introductory Chemistry - CHE 101

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

Introductory Chemistry Lab - CHE 101L

Basic laboratory techniques, methods of separation, types of chemical reactions, solution preparation, titrations, household chemicals, molecular modeling.

Algebra with Applications - MAT 112

Students will solve application problems involving linear and quadratic equations, matrices, systems of linear equations, series and sequences, logarithmic and exponential equations; and analyze graphs of linear, quadratic, exponential, logarithmic and power functions.

Conceptual Physics - PHY 101

Conceptual approach to topics such as kinematics, Newtonian mechanics, electricity, magnetism, and optics. Not intended for science majors.

FREE ELECTIVES...UP TO 20

TOTAL HOURS...120

A total of 120 credit hours are required for the B.S. in Occupational Safety. Additional requirements not listed include EKU's standard general education requirements.

What can I do with this degree?

CAREER OUTLOOK

According to the Bureau of Labor Statistics, employment of occupational health and safety specialists and technicians is projected to grow 5 percent from 2021 to 2031, about as fast as the average for all occupations. About 14,500 openings for occupational health and safety specialists and technicians are projected each year, on average, over the decade. Occupational health and safety specialists and technicians will be needed to work in a variety of industries and government agencies to ensure that employers are adhering to both existing and new regulations.

Job Titles for Occupational Safety Graduates Include:

- Facilities Manager
- Occupational Safety & Health Manager or Specialist
- Occupational Safety and Health Technician
- First Line Supervisors of Production and Operating Workers
- Manufacturing Manager
- Environmental Health Officer
- Health and Safety Advisor
- Occupational Health and Safety Officer
- Industrial Hygienist
- Injury Prevention Specialist

[SALARY ESTIMATES](#)

Why should I choose ECU Online?

STUDENT PERSPECTIVE

“Graduates of ECU come straight out of school and are landing some great jobs, and the best part is that the companies are coming to ECU to recruit students directly.”

- Chad Clark,

ECU graduate and Safety Associate for Georgia-Pacific

[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. We're here to help you 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

I'm in! How do I get started?

APPLICATION & ADMISSION 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

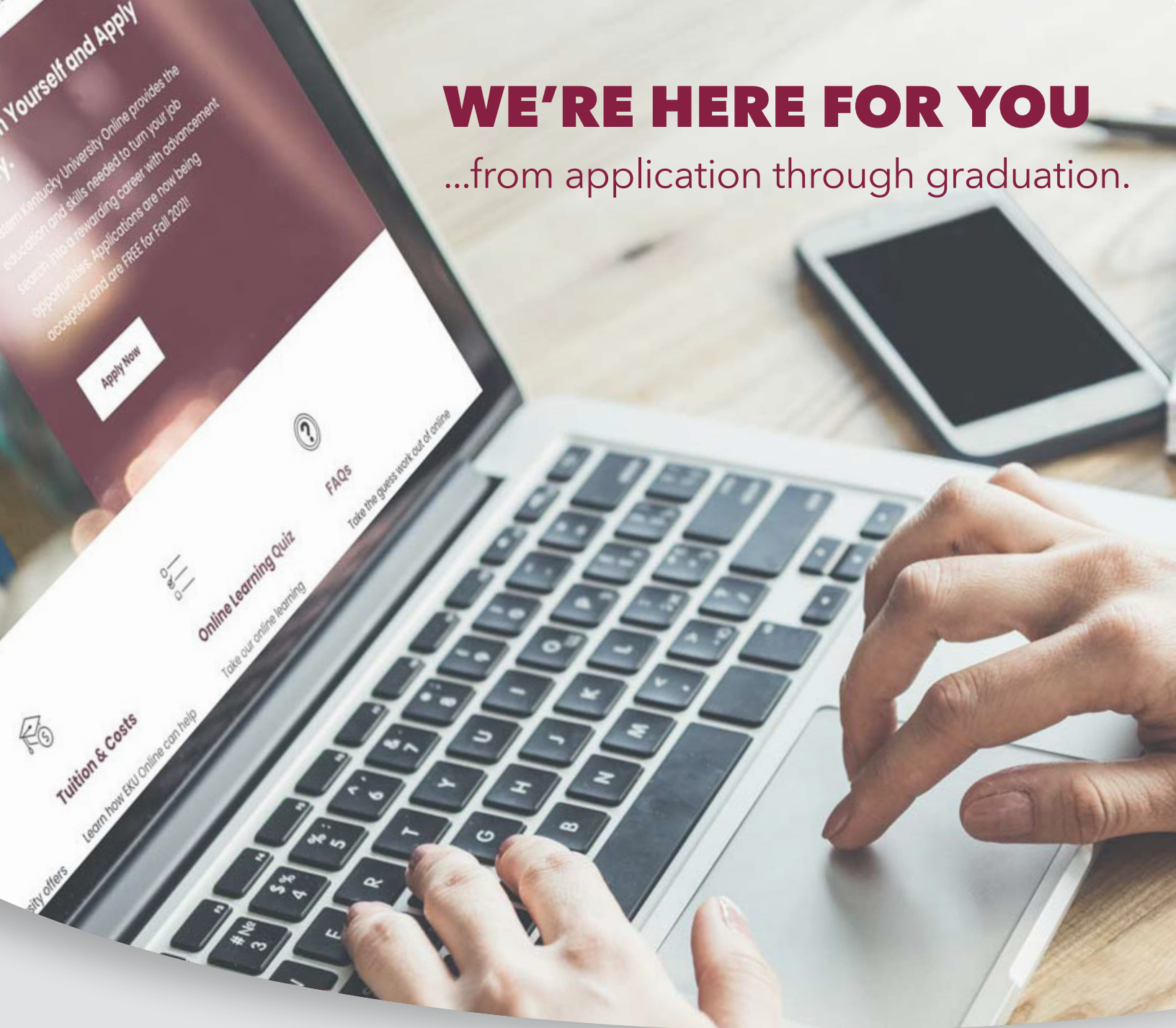
Step 2: Send us your high school transcript (if you have 23 or fewer credit hours).

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).