



## ■ APPLICATION INFORMATION

Students wishing to pursue the Bachelor of Science in Occupational and Environmental Safety and Health (BS-OESH) must apply to Arkansas State University and meet all admission requirements established by the university. Interested individuals are encouraged to contact the program director, Dr. Julie King at [juking@AState.edu](mailto:juking@AState.edu), early in their college career to ensure that all prerequisite courses are completed and to determine eligibility to begin upper-level OESH classes. Students must have completed general education requirements and program support coursework with a "C" average or better.



# Occupational and Environmental Safety and Health



ARKANSAS STATE UNIVERSITY

Bachelor of Science

Occupational and Environmental Safety and Health

## CONTACT INFORMATION

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Occupational and Environmental Safety and Health  
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## OCCUPATIONAL AND ENVIRONMENTAL SAFETY AND HEALTH PROGRAM

College of Nursing and Health Professions  
Arkansas State University  
P.O. Box 910, State University, AR 72467

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1/2021



College of  
Nursing and  
Health Professions

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Arkansas State University will not discriminate on the basis of race, color, religion, sex, national origin, age, handicap, or other unlawful factors in employment practices or admission and treatment of students.

# YOUR EDUCATION:

*Our Mission*

**MISSION STATEMENT**

The mission of the Occupational and Environmental Safety and Health Program is to provide a comprehensive and quality education to students wishing to become occupational safety or environmental health professionals for private industries, governing agencies, hospitals or research facilities and to train students to anticipate, identify and evaluate workplace and environmental health hazards through hands-on and real-world experiences.

**OCCUPATIONAL AND ENVIRONMENTAL SAFETY AND HEALTH PROGRAM**

Are you interested in how air, water, food and the workplace can impact community health? The Bachelor of Science in Occupational and Environmental Safety and Health (BS-OESH) is a multidisciplinary program that prepares students to become professionals in the fields of occupational safety, industrial hygiene and environmental health. Students will learn to anticipate, identify and evaluate environmental and workplace health threats and mitigate these threats with strategies designed to protect workers, communities and the environment.

The program requires 120 hours of undergraduate level courses with specific coursework in chemistry, biology and statistics, along with occupational safety and environmental health topics. Each student will also complete a 180-hour internship in the field of OESH.



**WHAT CAN YOU DO WITH A BS IN OESH?**

Many occupations are linked with occupational and environmental safety and health.

Jobs in government, industry and academia can include:

- Occupational Safety Experts
- Environmental Specialists
- Food Safety Professionals
- Industrial Hygienists
- Toxicologists
- Hazardous and Solid Waste Specialists

**■ CURRICULUM**

<b>Year 1 (Fall)</b>		<b>Credit Hours</b>
UC	1013 FYE Making Connections	3
CHEM	1013 General Chemistry I	3
CHEM	1011 General Chemistry I Lab	1
ENG	1003 Composition I	3
BIO	2203 Human Anatomy and Physiology I	3
	Social Science Elective	3
<b>Total</b>		<b>16</b>

<b>Year 1 (Spring)</b>		<b>Credit Hours</b>
ENG	1013 Composition II	3
CHEM	1023 General Chemistry II	3
CHEM	1021 General Chemistry II Lab	1
MATH	1023 College Algebra	3
	Choose one of the following:	3
	POSC 2103 Introduction to U.S. Government	
	HIST 2763 U.S. History to 1876	
	HIST 2773 U.S. History since 1876	
	Social Science Elective	3
<b>Total</b>		<b>16</b>

<b>Year 2 (Fall)</b>		<b>Credit Hours</b>
BIO	2013 Biology of the Cell	3
BIO	2011 Biology of the Cell Lab	1
PHYS	2133 Survey of Physics for Health Professions	3
ENG	3063 Writing for STEM	3
CHEM	3103 Organic Chemistry I	3
CHEM	3101 Organic Chemistry I Lab	1
<b>Total</b>		<b>14</b>

<b>Year 2 (Spring)</b>		<b>Credit Hours</b>
BIO	2103 Microbiology for Nursing and Allied Health	3
BIO	2101 Microbiology for Nursing and Allied Health Lab	1
COMS	1203 Oral Communication	3
STAT	3233 Applied Statistics	3
	Fine Arts Elective	3
	Humanities Elective	3
<b>Total</b>		<b>16</b>

**■ CURRICULUM**

<b>Year 3 (Fall) Professional Program Year 1</b>		<b>Credit Hours</b>
OESH	3013 Fundamentals of Occupational Health and Safety	3
OESH	3023 Principles of Environmental Health	3
OESH	3103 Recognition of Occupational Hazards	3
DPEM	3503 Principles of DPEM	3
OESH	3113 Toxicology	3
<b>Total</b>		<b>15</b>

<b>Year 3 (Spring)</b>		<b>Credit Hours</b>
OESH	3203 Control of Occupational Hazards	3
OESH	3223 Industrial Hygiene Sampling and Analysis Lab	3
POSC	4533 Environmental Law and Administration	3
OESH	3303 Water, Wastewater, Solid and Hazardous Waste Treatment	3
OESH	3313 Epidemiology and Biostatistics	3
<b>Total</b>		<b>15</b>

<b>Year 4 (Fall) Professional Program Year 2</b>		<b>Credit Hours</b>
OESH	4003 Internship	3
OESH	4013 OSHA Standards and Practices	3
OESH	4113 Environmental Health and Safety Management	3
OESH	4203 Principles of Food Safety and Sanitation	3
<b>Total</b>		<b>12</b>

<b>Year 4 (Spring)</b>		<b>Credit Hours</b>
OESH	4401 Senior Seminar	1
OESH	4303 Environmental Risk Assessment	3
OESH	4213 Construction Safety	3
OESH	4313 Ergonomics	3
OESH	4223 Accident Investigation and Analysis	3
OESH	4323 Air Pollution	3
<b>Total</b>		<b>16</b>