

# Environmental & Occupational Health Science

The Environmental and Occupational Health Science major focuses on identifying, evaluating, and mitigating environmental and workplace hazards to protect public health and safety. Students in this field study topics like toxicology, industrial hygiene, environmental health, and risk assessment. Graduates often work in government agencies, private industries, non-profit organizations, and consulting firms. Typical industry sectors include environmental protection, workplace safety compliance, public health, industrial hygiene, and sustainability consulting.

## Job Title Examples:

- Environmental Health Specialist
- Occupational Health and Safety Technician
- Industrial Hygienist Assistant
- Safety Coordinator
- Environmental Compliance Specialist
- Hazardous Materials Technician
- Air Quality Analyst
- Environmental Field Technician
- Risk Assessment Assistant
- Sustainability Coordinator

## Hard and Soft Skills Needed:

### Hard Skills:

1. Risk assessment
2. Environmental monitoring and sampling
3. Industrial hygiene techniques
4. Regulatory compliance knowledge (e.g., OSHA, EPA)
5. Data analysis and report writing

### Soft Skills:

1. Attention to detail
2. Problem-solving
3. Communication
4. Teamwork
5. Critical thinking

### **Further Education/Training Required and/or Suggested:**

A BS in Environmental and Occupational Health Sciences qualifies students for entry-level roles, but additional training or certifications can enhance career prospects:

To Enter the Field:

1. Certified Safety Professional (CSP):
  - For roles in safety and health.
2. Certified Industrial Hygienist (CIH):
  - For industrial hygiene and environmental health roles.

To Advance:

1. Master's Degree (e.g., MS in Environmental Health):
  - For advanced or specialized roles.
2. Additional Certifications (e.g., Certified Environmental Professional - CEP):
  - For career advancement in environmental or occupational health.

Summary:

Certifications like CSP or CIH can be beneficial for entry, while advanced degrees and specialized certifications support career progression.

### **Professional or Student Associations:**

- Student Healthcare Association
- American Industrial Hygiene Association (AIHA)
- National Environmental Health Association (NEHA)
- American Society of Safety Professionals (ASSP)