Environmental Health Sciences - Minor

College of Public Health
www.kent.edu/publichealth

Contact Information

• Assistant Dean: Jen Miller | jnoble@kent.edu | 330-672-6500
• Speak with an Advisor

Fully Offered

• Kent Campus

Description

The Environmental Health Sciences minor is intended for students who have a strong interest or curricular focus in a natural science major. The minor provides students with foundational concepts in environmental health as it relates to the broad field of public health. This includes students in a variety of majors, including, but not limited, to biology, chemistry, geology, geography, physics, botany and zoology.

Students who complete the required coursework and have 30 credit hours of coursework in specific public health areas, biology, chemistry, physics, geology, math or statistics can pursue a Sanitarian in Training (SIT) career path in State of Ohio agencies to become a Registered Sanitarian (RS) and are well equipped to enter the workforce in a variety of career paths.

Admission Requirements

Admission to a minor is open to students declared in a bachelor’s degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Learning Outcomes

1. Students will be able to address the basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice.
2. Students will be able to address the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities.
3. Students will be able to address the basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice.

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH 20001</td>
<td>ESSENTIALS OF EPIDEMIOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>PH 30002</td>
<td>INTRODUCTORY BIOSTATISTICS</td>
<td>3</td>
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Minors Electives, choose from the following:

1. Biological Sciences (BSCI) Electives, choose from the following:
   - BSCI 10001 HUMAN BIOLOGY (KBS)
   - BSCI 10003 LABORATORY EXPERIENCE IN BIOLOGY (KBS) (KLAB)
   - BSCI 10110 BIOLOGICAL DIVERSITY (KBS) (KLAB)
   - BSCI 11010 FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)
   - BSCI 21010 ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)

2. Chemistry (CHEM) Electives, choose from the following:
   - CHEM 10050 FUNDAMENTALS OF CHEMISTRY (KBS)
   - CHEM 10055 MOLECULES OF LIFE (KBS)
   - CHEM 10060 GENERAL CHEMISTRY I (KBS)
   - CHEM 10062 GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)

3. Mathematics (MATH) Electives, choose from the following:
   - MATH 10772 MODELING ALGEBRA PLUS (KMCR)
   - MATH 10775 ALGEBRA FOR CALCULUS PLUS (KMCR)
   - MATH 11009 MODELING ALGEBRA (KMC)
   - MATH 11010 ALGEBRA FOR CALCULUS (KMC)
   - MATH 11012 INTUITIVE CALCULUS (KMC)
   - MATH 11022 TRIGONOMETRY (KMC)
   - MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (KMC)
   - MATH 12011 CALCULUS WITH PRECALCULUS I (KMC)
   - MATH 12021 CALCULUS FOR LIFE SCIENCES

Minor Electives, choose from the following:

- BSCI 10120 BIOLOGICAL FOUNDATIONS (KBS) (KLAB)
- BSCI 30140 CELL BIOLOGY
- BSCI 30171 GENERAL MICROBIOLOGY
- BSCI 20021 BASIC MICROBIOLOGY
- CHEM 10061 GENERAL CHEMISTRY II (KBS)
- CHEM 10063 GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)
- GEOL 21062 ENVIRONMENTAL EARTH SCIENCE (KBS)
- PH 30012 COMMUNICABLE DISEASES
- PHY 13001 GENERAL COLLEGE PHYSICS I (KBS)
- PHY 13011 COLLEGE PHYSICS I (KBS)
- PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)
- PHY 23101 GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)

Minimum Total Credit Hours: 30

Graduation Requirements

Minimum Minor GPA: 2.000
Minimum Overall GPA: 2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 4000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).