



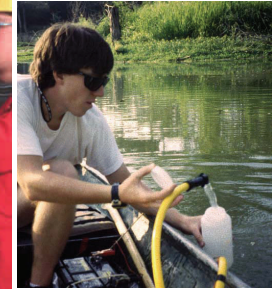
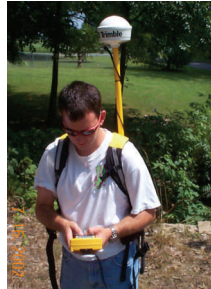
## ENVIRONMENTAL HEALTH SCIENCE, B.S.

COLLEGE OF HEALTH AND HUMAN SERVICES  
WESTERN KENTUCKY UNIVERSITY

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### Department of Public Health

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### Degree Offering: B.S.

### Program Description

The mission of the Environmental Health Science (EHS) Program at Western Kentucky University is to educate students in preparation for an exciting career in the environmental health science field, at the baccalaureate level. The EHS Program is committed to providing south central Kentucky, the state, and the nation with entry-level environmental professionals. The program is built upon a sound foundation of providing students with a background in assessing environmental resources, including water, air, and land resources, in relation to environmental and human health. In particular, the program focuses on teaching students to apply basic scientific principles to the solution of environmental health science and protection challenges. Students also learn to apply technological tools, such as computer technology.

### Career Opportunities in Environmental Health Science

Environmental health science and protection is the art and science of protecting against environmental factors that adversely impact human health or the ecologic balances to long-term human and ecosystem health. Professionals in the environmental health science field study both natural and human-made environments. Exciting careers are available working with government agencies, municipalities, utilities, environmental consulting firms, industry, non-profit organizations, and local governments. With ever expanding opportunities, environmental health science graduates will be globally marketable.

### Bachelor of Science in Environmental Health Science

The major in environmental health science (reference number 548) requires a minimum of 79 semester hours and leads to a Bachelor of Science degree. No minor or second major is required. General education and major requirements currently total 128 hours.

### EHS Student Organizations and Opportunities

- Student Environmental Health Science Association
- Student EHS Internship Program
- Environmental Health Science Resource Center (Research and Service Center)
- EHS Scholarship Program

For more information contact or Dr. Ritchie Taylor at 745-4797 or [Ritchie.taylor@wku.edu](mailto:Ritchie.taylor@wku.edu)

### College of Health and Human Services Resources

The CHHS Academic Center of Excellence offers students personal advising, professional publications, academic enrichment activities, tutoring for CHHS courses, assistance with degree program completion and career exploration/planning, and an state-of-the-art computer lab with latest software for CHHS majors.

# Environmental Health Sciences

Department of Public Health  
College of Health and Human Services  
2009-2010

| Fall   |       |    | First Year                              |        |       | Spring |                                 |  |
|--------|-------|----|-----------------------------------------|--------|-------|--------|---------------------------------|--|
| BIOL   | 207   | 3  | General Microbiology*                   | BIOL   | 131   | 4      | Human Anatomy & Physiology*     |  |
| BIOL   | 208   | 1  | General Microbiology Lab*               | ENG    | 200   | 3      | Intro to Literature             |  |
| ENG    | 100   | 3  | Intro to College Writing                | PH     | 100   | 3      | Personal Health*                |  |
| COMM   | 145   | 3  | Fund. of Public Speaking*               | HIST   |       | 3      | 119 OR 120 Western Civilization |  |
|        |       | 3  | General Education Course (Foreign Lang) |        |       | 3      | General Education Course        |  |
|        |       | 3  | General Education Course                |        |       |        |                                 |  |
| Credit | Hours | 16 |                                         | Credit | Hours | 16     |                                 |  |

| Fall   |       |    | Second Year                           |        |       | Spring |                                  |  |
|--------|-------|----|---------------------------------------|--------|-------|--------|----------------------------------|--|
| CHEM   | 105   | 3  | Fund. of General Chemistry            | CHEM   | 107   | 3      | Fund. of Organic Chemistry       |  |
| CHEM   | 105   | 1  | Fund. of General Chemistry Lab        | CHEM   | 108   | 1      | Fund. of Organic Chemistry Lab   |  |
| MATH   | 118   | 5  | College Algebra & Trigonometry        | ENG    | 300   | 3      | Writing in the Disciplines       |  |
| PSY    | 100   | 3  | Intro to Psychology*                  | ENV    | 280   | 3      | Intro to Environmental Science   |  |
| ENV    | 120   | 3  | Intro to Occupational Safety & Health | ECON   | 202   | 3      | Principles of Economics (Micro)* |  |
|        |       |    |                                       |        |       | 3      | General Education Course         |  |
| Credit | Hours | 15 |                                       | Credit | Hours | 16     |                                  |  |

| Fall   |       |    | Third Year                           |        |       | Spring |                                        |  |
|--------|-------|----|--------------------------------------|--------|-------|--------|----------------------------------------|--|
| PHYS   | 231   | 3  | Intro to Physics & Biophysics        | PH     | 384   | 3      | Intro to Epidemiology                  |  |
| PHYS   | 232   | 1  | Intro to Physics & Biophysics Lab    | ENV    | 321   | 3      | Fund of Industrial Hygiene             |  |
| PH     | 383   | 3  | Biostatistics in the Health Sciences | ENV    | 323   | 1      | Fund of Industrial Hygiene Lab         |  |
| ENV    | 375   | 3  | Intro to Water Resources             | ENV    | 380   | 3      | Principles of Environmental Toxicology |  |
| ENG    | 307   | 3  | Technical Writing                    | ENV    | 410   | 3      | Water Treatment Processes              |  |
| ENV    |       | 3  | ENV Elective                         | ENV    | 411   | 1      | Water Treatment Processes Lab          |  |
| Credit | Hours | 16 |                                      | Credit | Hours | 14     |                                        |  |

| Fall   |             |    | Fourth Year                  |        |       | Spring |                                       |  |
|--------|-------------|----|------------------------------|--------|-------|--------|---------------------------------------|--|
| PH     | 385         | 3  | Environmental Health         | ENV    | 474   | 3      | Environmental Risk Assessment         |  |
| ENV    | 360/<br>365 | 4  | Air Pollution Control w/Lab  | ENV    | 490   | 3      | Food Safety                           |  |
| ENV    |             | 3  | ENV Elective                 | ENV    |       | 3      | ENV Elective                          |  |
| ENV    | 460         | 3  | Environmental Management     | ENV    | 491   | 6      | Internship in Environ Health & Safety |  |
| ENV    | 480         | 3  | Hazardous & Solid Waste Mgmt | ENV    |       | 3      | ENV Elective                          |  |
| ENV    | 486         | 1  | Senior Environmental Seminar |        |       |        |                                       |  |
| Credit | Hours       | 17 |                              | Credit | Hours | 18     |                                       |  |

Total Credit Hours = 128

*Note: Courses with (\*) satisfy both General Education and program requirements.*

**Departmental Requirements:** Students who have completed at least 30 semester hours with an overall GPA of 2.3 or better qualify for admission into a program in Public Health. Students will be dropped from the program if the GPA falls below 2.3 for two successive semesters or if they receive a grade below a C in two or more required courses.