UNIVERSITY OF WISCONSIN OSHKOSH

College of Letters and Science

# Environmental Health
# 59 credit min

**Effective for Spring 2013**

Course pre-requisites are in parentheses
C/ means concurrent enrollment allowed
(F= Fall term only, S= Spring term only, B= Both Fall and Spring terms)

**Core Courses (25 credits)**

BIO 105 B Biological Concepts (4) ___
BIO 113 S Environmental Health Orient (2) ___
BIO 302 B Internship in Environ Health (1-3) ___
BIO 303 F Intro to Epidemiology (BIO 105) (2) ___
BIO 309 B Bacteriology (NS) (BIO 105) (5) ___
BIO 323 B Intro to Molecular and Cell Bio (3) ___
(BIO 105, CHEM 105, C/CHEM 106 OR CHEM 101, 102 1/B)
BIO 338 S Environmental Toxicology (BIO 105) (2) ___
BIO 445 B Topics in Environmental Health (1-3) ___
(BIO 105, CHEM 105 and instructor consent)
BIO 491 B Senior Survey *** (0) ___

*** Senior Students, during their last semester, will take a general biology/microbiology assessment exam and fill out a survey to express their opinion of the biology/microbiology program. Tests/surveys will be taken in the Testing Center at the student's convenience, (but during normal Testing Center hours). Completion of the test/survey is a requirement for graduation.

**Advanced Knowledge**

BIO 312 S Medical Bacteriology Lecture (2) ___
(BIO 309, 341 C/312)
BIO 339 S Public Health and Food Micro (NS) (3) ___
(BIO 309)

**Required Chemistry and Physics**

CHEM 105 B General Chemistry I (NS) (5) ___
(C/MATH 104 OR placement of higher math)
CHEM 106 B General Chemistry II (NS) (1-5) ___
(CHEM 105 w/C and MATH 104 w/C OR placement of higher math)
CHEM 234 B Organic Chemistry I Lab (NS) (CHEM 106 w/C)(1) ___
CHEM 235 B Organic Chemistry I (NS) (CHEM 106 w/C) (3) ___
CHEM 334 B Organic Chemistry II Lab (NS)(CHEM 235 w/C)(1) ___
CHEM 335 B Organic Chemistry II (NS) (3) ___
(CHEM 235 w/C)
PHYS 107 F General Physics (NS) (5) ___
(MATH 106, 108 OR equivalent)
**OR**
PHYS 109 F General Physics (NS) (C/MATH171) (5) ___

**Required General Education Courses**

ENG 318 B Advanced Comp: Writing about Sciences (3) ___
ENV STD 261 B Environ & Society (SS) (3) ___
NURS 340 B Health Prac with Ethnic Grps (ES) (3) ___
PUB AD 221 B Intro to Public Admin (SS) (3)___
PUB AD 307 B Admin Law & Proced (SS) (3) ___

**Electives**

You must gain advanced, in-depth knowledge in at least two of the areas below (6 credit minimum).

1. Built Environments:
URS 320 B Urban Planning Housing (3) ___

2. GIS:
GEOG 391 B Computer Cartography (SS) (3) ___
(Geog 371)

3. Hydrogeology:
GEOL 365 F* Physical Hydrogeology (3)___
(GEOL 102, 110, OR 150, Math 108 or equiv, Special fees may apply)

4. Soils
GEOG 304 B Soils (3) ___
**OR**
URS 317 B Land Use Regulation (3)___

5. Water & Wastewater:
GEOG 364 B Water Resource Management (SS) (3) ___
(8 units of Physical Geography or Physical Geology)

6. Vector Control:
BIO 332 S Entomology (NS) ** (3) ___
**OR**
BIO 354 S Parasitology (NS)** (3) ___

**Recommended Courses**

MATH 171 B Calculus I (MA) (4) ___
(MATH 108 **OR** 104, 106 w/C)
In addition to the required Statistics course.
ECON 204 Principles of Macroeconomics (SS) (3) ___
ECON 206 Principles of Microeconomics (SS) (3) ___
ECON 360 Environmental Econ and Policy (SS) (3) ___

*Fall semester of odd years.
**(one term general biology and BIO 230)
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**Must also meet General Education and Degree Requirements to earn BS Degree.**



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