

College of Letters and Science

PUB AD 221 B Intro to Public Admin (SS) PUB AD 307 B Admin Law & Proced (SS)

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) **Electives** BIO 105 B Biological Concepts (4) You must gain advanced, in-depth knowledge in at least two of BIO 113 S Environmental Health Orient the areas below (6 credit minimum). BIO 302 B Internship in Environ Health 1. Built Environments: (1-3)BIO 303 F Intro to Epidemiology (BIO 105) URS 320 B Urban Planning Housing (2) (3) BIO 309 B Bacteriology (NS) (BIO 105) 2. GIS: BIO 323 B Intro to Molecular and Cell Bio GEOG 391 B Computer Cartography (SS) (3) ____ (BIO 105, CHEM 105, C/CHEM 106 OR (Geog 371) CHEM 101, 102 1/B) 3. Hydrogeology: BIO 338 S Environmental Toxicology (BIO 105) GEOL 365 F* Physical Hydrogeology $(3)_{-}$ (GEOL 102, 110, OR 150, Math 108 or equiv, Special BIO 445 B Topics in Environmental Health (BIO 105, CHEM 105 and instructor consent) fees may apply) BIO 491 B Senior Survey *** 4. Soils $(0)_{-}$ GEOG 304 B Soils (3)_ *** Senior Students, during their last semester, will take a general biology/microbiology URS 317 B Land Use Regulation (3)__ assessment exam and fill out a survey to express their opinion of the 5. Water & Wastewater: biology/microbiology program. Tests/surveys will be taken in the Testing Center at the GEOG 364 B Water Resource Management (SS) (3) ____ student's convenience, (but during normal Testing Center hours). Completion of the test/survey is a requirement for graduation. (8 units of Physical Geography or Physical Geology) 6. Vector Control: **Advanced Knowledge** BIO 332 S Entomology (NS) ** $(3)_{-}$ BIO 312 S Medical Bacteriology Lecture (2) ____ BIO 354 S Parasitology (NS)** (3) (BIO 309, 341 C/312) BIO 339 S Public Health and Food Micro (NS) (3) ____ **Recommended Courses** (BIO 309) MATH 171 B Calculus I (MA) (4) ___ (MATH 108 OR 104, 106 w/C) **Required Chemistry and Physics** In addition to the required Statistics course. CHEM 105 B General Chemistry I (NS) (5)_ ECON 204 Principles of Macroeconomics (SS) (C/MATH 104 OR placement of higher math) ECON 206 Principles of Microeconomics (SS) CHEM 106 B General Chemistry II (NS) (1-5) ____ ECON 360 Environmental Econ and Policy (SS) (CHEM 105 w/C and MATH 104 w/C OR *Fall semester of odd years. **(one term general biology and BIO 230)
*** Senior Students, during their last semester, will take a general biology/microbiology placement of higher math) CHEM 234 B Organic Chemistry I Lab (NS) (CHEM 106 w/C)(1) assessment exam and fill out a survey to express their opinion of the CHEM 235 B Organic Chemistry I (NS) (CHEM 106 w/C) biology/microbiology program. Tests/surveys will be taken in the Testing Center at the CHEM 334 B Organic Chemistry II Lab (NS)(CHEM 235 w/C)(1) student's convenience, (but during normal Testing Center hours). Completion of the test/survey is a requirement for graduation. CHEM 335 B Organic Chemistry II (NS) (3) ____ (CHEM 235 w/C) PHYS 107 F General Physics (NS) (5) ___ (MATH 106, 108 OR equivalent) PHYS 109 F General Physics (NS) (C/MATH171) (5) ____ Approved: November 2011 Printed: February 2013 **Required General Education Courses** ENG 318 B Advanced Comp: Writing about Sciences ENV STD 261 B Environ & Society (SS) NURS 340 B Health Prac with Ethnic Grps (ES)

Must also meet General Education and Degree Requirements to earn BS Degree.