

ENVIRONMENTAL SCIENCE, B.S.

Requirements for a Major in Environmental Science

Code **Title** **Hours**

Thirty-eight semester hours including the following:

Required Courses

ENV 1301	Exploring Environmental Issues	3
ENV 2307	Ecology for a Changing World	3
ENV 3310	Field Techniques for Environmental Science	3
ENV 3387	Environmental Chemistry	3
ENV 3187 or ENV 3188	Environmental Chemistry Laboratory Laboratory Methods in Environmental Assessment and Monitoring	1
ENV 4102	Seminar on Environmental Topics	1
ENV 4370 or ENV 3314	Fundamentals of Ecotoxicology Introduction to Environmental Health	3
ENV 43C2	Environmental Capstone	3
<i>Law and Policy</i>		3
ENV 3300 or ENV 4307 or ENV 4323	The Environment and Political Processes Environmental Law The Environment and Economic Analysis	

Environmental Management

Select at least six semester hours from Environmental Management: 6

ENV 3333	Watershed Assessment	
ENV 3337	Principles of Wildlife Management	
ENV 3370	Managing Environmental Health and Safety	
ENV 4333	Coastal Zone Management	
ENV 4345	Water Management	
ENV 4355	Sustainability and Natural Resource Management	
ENV 4365	The Environment and Energy	
ENV 4379 or ENV 4380	Ecosystem Planning and Management Restoration Ecology	
ENV 4485	Introduction to Geographic Information Systems	
ENV 4487	Advanced GIS Analysis	

Environmental Quality and Health

Select at least three semester hours from Environmental Quality and Health: 3

ENV 3314	Introduction to Environmental Health	
ENV 3316	Introduction to Air Quality	
ENV 3333	Watershed Assessment	
ENV 4325	Human Health Risk Assessment	
ENV 4344	Fundamentals of Toxicology	
ENV 4370 & ENV 4170	Fundamentals of Ecotoxicology and Fundamentals of Ecotoxicology Laboratory	

Environmental Science

Select an additional six semester hours of 3000-4000 level ENV courses 6

Subtotal 38

Required Courses in Other Fields

BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 3331	Organic Chemistry I	3
MTH 1321	Calculus I	3
MTH 1322 or STA 2381	Calculus II Introductory Statistical Methods	3
GEO 1401 or GEO 1402 or GEO 1403 or GEO 1405 or GEO 1408	Earthquakes and Other Natural Disasters World Oceans Environmental Geology The Dynamic Earth Earth Science	4
PHY 1408 or PHY 1420	General Physics for Natural and Behavioral Sciences I General Physics I	4

Additional Requirements

No more than four hours of variable hour courses may be applied to the major

A minimum GPA of 2.0 in the first fifteen hours of ENV courses that are counted to complete requirements in the major is required. Students who do not have the required GPA in ENV courses after completion of the first fifteen hours will be placed on probation for one semester in the major.

A grade of "C-" or better in each ENV course used in the major and a minimum overall GPA of 2.0 or higher on ENV courses taken within the major.

Total Hours 71