Environmental Science
Bachelor of Science Degree

I. Course Requirements for Major

A. Program Courses

1. ENV 110 Introduction to Environmental Science 4
2. ENV 122 Geology 4
3. ENV 141 Climatology 3
4. ENV 152 Oceanography 3
5. ENV 351 Limnology 3
6. ENV 395 Junior Seminar in Environmental Science I 1
7. ENV 396 Junior Seminar in Environmental Science II 1
8. ENV 495 Senior Seminar in Environmental Science I 1
9. ENV 496 Senior Seminar in Environmental Science II 1

B. Cognate Requirements

1. BIO 141 Basic Concepts of the Cell 4
2. BIO 241 Animal Biology 4
3. BIO 441 Terrestrial Ecology and Field Biology 4
4. CHE 141 General Chemistry I 4
5. CHE 142 General Chemistry II 4
6. CHE 350 Analytical Chemistry 4
7. CHE 441 Instrumental Analysis 4
8. Choose one sequence: (MAT174 & MAT244 or MAT181 & MAT182)
   #MAT 174 Data Analysis and Statistics
   MAT 244 Statistical Analysis and Design 6-8
   or #MAT 181 Calculus with Analytic Geometry I
   MAT 182 Calculus with Analytic Geometry II
9. PHY 141/161 Physics I 4
10. PHY 142/162 Physics II 4
11. TSC 101 Fundamentals of Speech Communication 3

C. Choose One of the Following Options

1. Biology Option

   BIO 242 Plant Biology 4
   BIO 341 Entomology 4
   BIO 342 Genetics 4
   BIO 360 Microbiology 4

2. Chemistry Option

   CHE 241 Organic Chemistry I 4
   CHE 242 Organic Chemistry II 4
   CHE 341 Physical Chemistry I 4

3. Environmental Management

   ENV 342 Industrial Ecology & Sustainability 3
   ENV 380 Environmental Certifications 2
   Safety Training*
   Hazardous Materials Transportation
   RCRA Hazardous Waste Generator
   Stormwater Operator
   ISO 14001
   ENV 441 Environmental Regulations 3
   ENV 452 Hydrogeology 3

Total: 21 semester hours

Total: 45-47 semester hours

Total: 16 semester hours

Total: 12 semester hours

Total: 11 semester hours
D. Total for Major 77-84 semester hours

II. Liberal Arts 28 semester hours
# May be double counted toward Major and Liberal Arts Requirements.

III. General Electives 8-15 semester hours

IV. Total for Degree 120 semester hours

V. Other Requirements
1. * Exempt for those accepted into Law/Graduate School.

2. Environmental Science majors pursuing the Chemistry Option must successfully complete MAT 181 and MAT 182, and they are strongly encouraged to take PHY 261 and PHY 262.

3. Students majoring in Environmental Science must maintain a 2.1 GPA in all required courses (excluding cognate requirements) in the major.

**Minor in Environmental Science**

I. Course Requirements for Minor
A. Program Requirements 21-22 semester hours
1. #ENV 110 Environmental Science 4
2. CHE 141 Chemistry I 4
3. NSC 110 Earth Science 4
4. ENV 342 Industrial Ecology & Sustainability 3
5. ENV 152 Oceanography or 3
   ENV 141 Climatology
6. Approved Elective* 3-4

B. Total for Minor 21-22 semester hours
# May be double counted toward Minor and Liberal Arts Requirements.

C. Other Requirements
1. Students minoring in Environmental Science must maintain a 2.1 GPA in all required courses.