Department of Biological Sciences

Northern Kentucky University

MAJOR: B.S. Environmental Science

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| **FIRST YEAR**The designated General Education courses recommended should be taken in the first year.  | Fall Semester | Spring Semester |
| BIO 150-150L Introduction to Biology I | 4 | BIO 151-151L Introduction to Biology II | 4 |
| CHE 120-120L General Chemistry I | 4 | CHE 121-121L General Chemistry II | 4 |
| ENV 110 Introduction to Env. Science | 3 | GLY 110 Earth Science with Laboratory | 4 |
| ENV 115 Orientation to Env. Science Careers | 1 | Gen Ed: Oral Communication1 | 3 |
| Gen Ed: Written Communication I1 | 3 |  |  |
|  **TOTAL** | 15 |  **TOTAL** | 15 |
| **SECOND YEAR**In the Spring Semester, a minor elective may be exchanged with a General Education course.  | Fall Semester | Spring Semester |
| BIO 304 General Ecology | 3 | BIO 291W Advanced Writing in Biology | 3 |
| BIO 304L Ecology Laboratory | 1 | GEO 418 Geographic Information Systems  | 4 |
| CHE 310-310L Organic Chemistry I | 4 | STA 205 Introduction to Statistics  | 3 |
| GEO 306 Env. Resource Management | 3 | Gen Ed: Self & Society | 3 |
| Gen Ed: Self & Society | 3 | Gen Ed: Culture & Creativity | 3 |
|  **TOTAL** | 14 |  **TOTAL** | 16 |
| **THIRD YEAR**Electives and General Education courses may be exchanged from the third year on.  | Fall Semester | Spring Semester |
| GLY 340 Introduction to Env. Geoscience | 3 | ENV 493 Environmental Science Seminar | 1 |
| MAT 119 Pre-Calculus Mathematics | 3 | GLY 450 Hydrogeology with Laboratory | 4 |
| Minor Elective2 | 4 | Minor Elective2 | 4 |
| Gen Ed: Self & Society | 3 | Minor or Free Elective2 | 3 |
| Gen Ed: Culture & Creativity | 3 | Minor or Free Elective2 | 3 |
|  **TOTAL** | 16 |  **TOTAL** | 15 |

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| **FOURTH YEAR**The Internship/Externship or Directed Research course maybe taken any time during the 3rd or 4th years.  | Fall Semester | Spring Semester |
| Internship/Externship or Directed Research | 3 | PHY 213 General Physics with Laboratory II | 5 |
| PHY 211 General Physics with Laboratory I | 5 | Free Elective2 | 4 |
| Free Elective2 | 4 | Free Elective2 | 3 |
| Free Elective2 | 3 | Free Elective2 | 3 |
|  |  |  |  |
|  **TOTAL** | 15 |  **TOTAL** | 15 |
| **GRAND TOTAL OF CREDITS** | **120** |
| Notes: This plan is ONE way in which you can complete your degree program in 4 years; it is not the only way. It assumes that you do not have to take any developmental courses (courses numbered below 100). It also assumes that you are not a transfer students, and you are beginning in the fall.1Regarding General Education, as shown on this plan, the Environmental Science program highly recommends that you complete the written I and the oral communication classes during your first year. Program requirements will take care of the written II and scientific & quantitative inquiry requirements. How you sequence the remainder of the General Education program is up to you.2Be sure that you complete at least 45 credits at the 300-level or above. Completion of the bare minimum for one of the required minors (Biological Sciences, Chemistry, Geology, Mathematics or Geography) is not sufficient to meet this requirement; you will need an additional 11-14 hours at the 300-level or above. These can be taken from the department of the required minor or elsewhere.  |