

# Bachelor of Science ENVIORNMENTAL SCIENCES: BIOLOGY (EXTENDED MAJOR)

2005-2006 Undergraduate Catalog

## 8-Term Plan

| Freshman Year        |   |           |                      |                                     |    |  |  |  |
|----------------------|---|-----------|----------------------|-------------------------------------|----|--|--|--|
| 1 <sup>st</sup> term |   |           | 2 <sup>nd</sup> term |                                     |    |  |  |  |
| CHM 151              | Gen. Chem. I (LS)                                     | 4         | CHM 152              | Gen. Chem. II (SAS)                 | 3  |  |  |  |
| CHM 151L             | Gen. Chemistry I Lab                                  | 1         | CHM 152L             | Gen. Chemistry II Lab               | 1  |  |  |  |
| MAT 125 or MAT       | Γ 114 Pre-Calculus or Quantitative Reasoning (FNRQ) * | 3-4       | BIO 181:181L         | The Unity of Life I (SAS)           | 4  |  |  |  |
| Liberal Studies      |   | 3         | ENG 105              | Critical Reading and Writing (FNRQ) | 4  |  |  |  |
| General Elective     |   | 3         | Diversity            |                                     | 3  |  |  |  |
| FYE 101              | First Year Experience                                 | 1         |                      |                                     | -  |  |  |  |
|                      | Total un  | its 15-16 |                      | Total units                         | 15 |  |  |  |

| Sophomore Year   |   |                    |   |  |             |                  |  |
|--|---|--------------------|---|--|-------------|------------------|--|
| ENV 230<br>BIO 182<br>GGR 239<br>MAT 136 or<br>MAT 119 | 3 <sup>rd</sup> term Fundamentals of Environmental Sciences The Unity of Life II Intro to Geographic Info Systems Calculus I or Finite Math (MAT 136 is SAS)* | 4<br>4<br>4<br>3-4 | ENV 280<br>STA 270<br>BIO 205<br>Major Elective | 4 <sup>th</sup> term<br>Atmosphere & Hydrosphere<br>Applied Statistics (SAS)<br>Microbiology (SAS)<br>** |             | 4<br>3<br>4<br>3 |  |
|  | Total units   | s 15-16            |   |  | Total units | 14               |  |

| Junior Year                    |                                       |    |                             |                                |             |    |
|--------------------------------|---------------------------------------|----|-----------------------------|--------------------------------|-------------|----|
| 5 <sup>th</sup> term           |                                       |    | 6 <sup>th</sup> term        |                                |             |    |
| ENV 330                        | Environmental Ecology: Synthesis      | 4  | ENV 385W                    | Energy, Resources & Policy     |             | 4  |
| POS 359                        | Environmental Policy (SPW)            | 3  | ENV Upper-Division Course 3 |                                |             | 3  |
| Major Elective                 | **                                    | 3  | Major Elective              | **                             |             | 3  |
| General Elective or<br>MAT 131 | Topics in Calculus (MAT 131 is SAS) * | 3  | Major Elective              | **                             |             | 3  |
| Liberal Studies                |                                       | 3  | Liberal Studies             |                                |             | 3  |
|                                |                                       |    | Meet with advisor           | prior to enrolling in 7th term |             |    |
|                                | Total units                           | 16 |                             |                                | Total units | 16 |

| Senior Year          |   |    |                      |                                 |       |  |  |
|----------------------|---|----|----------------------|---------------------------------|-------|--|--|
| 7 <sup>th</sup> term |   |    | 8 <sup>th</sup> term |                                 |       |  |  |
| ENV 408 or 485       | Fieldwork Experience or UG Research     | 3  | ENV 490C             | Senior Seminar                  | 3     |  |  |
| Major Elective       | **                                      | 3  | Major Elective       | **                              | 3     |  |  |
| Major Elective       | **                                      | 3  | Diversity            |                                 | 3     |  |  |
| Liberal Studies      |   | 3  | General Elective     | Needed to reach 120 units total | 3-5   |  |  |
| General Elective     |   | 3  |                      |                                 |       |  |  |
| Submit graduation    | application during 7 <sup>th</sup> term |    |                      |                                 |       |  |  |
|                      | Total units                             | 15 |                      | Total units                     | 12-14 |  |  |

### PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

A grade of C or better is required for all ENV courses, POS 359 & STA 270. An average overall GPA of 2.0 or better is required for all math, science and geography courses.

Recitations are available and strongly encouraged for CHM 151, CHM 152, BIO 181 and BIO 182, however they are not required.

\*Math requirement is satisfied by taking either: MAT 125 and 136 **OR** MAT 114, 119 and 131.

\*\*Major electives include 21 additional units of the following BIO or ENV courses (does not to include BIO 326 lecture only) of which 7 units must be at the 300 level or above:

**PLANT BIOLOGY:** BIO 284, 374, 410, 411, 415, 426C, and 431 **ANIMAL BIOLOGY:** BIO 221, 222, 223, 227, 322, 366, 424, 425C, 475, 477, and 478 **GENERAL:** BIO 300, 326LW, 340, 343, 344, 369, 372, 373, 435C, 440L, 471, and 479 and ENV 300, 440L, and 495

### **GENERAL INFORMATION**

- This 8-term plan is to be used in conjunction with the academic catalog and degree audit report.
- Honors students complete different requirements to meet NAU's liberal studies program. Students should consult an Honors Program advisor for complete information on fulfilling Honors Liberal Studies requirements
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7<sup>th</sup> term in preparation for graduation.
- All students are required to complete at least 120 total units which includes:
  - 35 units of liberal studies courses: http://www4.nau.edu/aio/Articulation/LScourselist.htm
  - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): The diversity requirement may be fulfilled in any part of the program of study.

http://www4.nau.edu/aio/Articulation/DiversityCourseList/htm

- 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU
- The diversity requirement may be fulfilled in any part of program of study.
- English placement: <a href="http://www.nau.edu/comp/placement.html">http://www.nau.edu/comp/placement.html</a>
- Math placement: <a href="http://www.math.nau.edu/master.html?http://www.math.nau.edu/odin.html">http://www.math.nau.edu/odin.html</a>

#### **CONTACT INFORMATION**

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