NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

# Bachelor of Science
# ENVIRONMENTAL CHEMISTRY (EXTENDED MAJOR) - ACS

2006-2007 Undergraduate Catalog

## Degree Progression Plan

| Freshman Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1st term | | | | 2nd term | | | |
| CHM 151 | General Chemistry I | 4 | | CHM 152 | General Chemistry II | 3 | |
| CHM 151L | General Chemistry I Lab | 1 | | CHM 152L | General Chemistry II Lab | 1 | |
| *LS* | Liberal Studies | 3 | | ENG 105 | Critical Reading and Writing (FNRQ) | 4 | |
| *DIV* | Diversity | 3 | | MAT 136 | Calculus I (SAS) | 4 | |
| *GE* | General Elective * | 3 | | *LS* | Liberal Studies | 3 | |
| FYE 101 | First Year Experience | 1 | | | | | |
| | Total units | 15 | | | Total units | 15 | |

| Sophomore Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3rd term | | | | 4th term | | | |
| CHM 235 | Organic Chemistry I | 4 | | CHM 238 | Organic Chemistry II | 3 | |
| CHM 235L | Organic Chemistry I Lab | 1 | | CHM 238L | Organic Chemistry II Lab | 2 | |
| MAT 137 | Calculus II (FNRQ) | 4 | | PHY 262 | University Physics II (SAS) | 3 | |
| PHY 161 | University Physics I (LAB) | 3 | | MAT 238 | Calculus III | 4 | |
| PHY 161L | University Physics I Lab (LAB) | 1 | | *DIV* | Diversity | 3 | |
| *GE* | General Elective | 3 | | | | | |
| | Total units | 16 | | | Total units | 15 | |

| Junior Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5th term | | | | 6th term | | | |
| CHM 341 | Physical Chemistry I | 3 | | CHM 320 | Analytical Chemistry | 3 | |
| CHM 350 | Inorganic Chemistry | 3 | | CHM 320L | Analytical Chemistry Lab | 1 | |
| MAT 316 | Introduction to Linear Algebra | 3 | | CHM 342 | Physical Chemistry II | 3 | |
| *JLWC* | Junior Level Writing Course ** | 3 | | CHM 342L | Physical Chemistry II | 2 | |
| *LS* | Liberal Studies | 3 | | *ME* | Major Elective **** | 3 | |
| Meet with an advisor to discuss capstone options | | | | *LS* | Liberal Studies | 3 | |
| | Total units | 15 | | | Total units | 15 | |

| Senior Year | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7th term | | | | 8th term | | | |
| *CAP* | Capstone Course *** | 1 | | *CAP* | Capstone Course *** | 2 | |
| CHM 425 | Instrumental Analysis | 3 | | CHM 450 | Inorganic Chemistry II | 3 | |
| CHM 420 | Environmental Analytical Chemistry | 3 | | CHM 450L | Inorganic Chemistry II Lab | 1 | |
| CHM 420L | Environmental Analytical Chemistry Lab | 2 | | CHM 440 | Environmental Chemistry | 3 | |
| *ME* | Major Elective**** | 3 | | *LS* | Liberal Studies | 3 | |
| *GE* | General Elective | 2 | | *LS or GE* | Liberal Studies if not at 35 units or General Elective | 3 | |
| | Total units | 14 | | | Total units | 15 | |

- This degree progression plan is to be used in conjunction with the academic catalog and degree progress report.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- Many courses have pre-requisites. Please check the academic catalog for pre-requisite and placement information.
- Submit graduation application during 7th term.

## PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

Recitations are available and strongly encouraged for CHM 151, CHM 152, CHM 235, CHM 238, PHY 161, and PHY 262, however they are not required.

* If you are not prepared to take MAT 136 in term 2, MAT 125 will take the place of the general elective in term 1.

** Junior Level Writing Requirement is fulfilled by the completion of CHM 300W, ENG 302W, or ENG 305W

***Capstone course includes at least two of the following: CHM 408C or 485C, 497C, & 498C which equals 3 units.

**** Major electives include 6 additional units in advanced biology, geology, environmental science, environmental engineering or other related areas

## GENERAL INFORMATION

- 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.
- 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
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.math.nau.edu/placement.html

## CONTACT INFORMATION

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