

Bachelor of Science in Education CHEMISTRY SECONDARY EDUCATION NAUTeach

2009-2010 Undergraduate Catalog

Degree Progression Plan

| Freshman Year | | | | | | | | |
|----------------------|--|---|----------------------|-------------------------------------|----|--|--|--|
| 1 st term | | | 2 nd term | | | | | |
| CHM 151 | General Chemistry I | 4 | CHM 152 | General Chemistry I | 3 | | | |
| CHM 151L | General Chemistry Lab | 1 | CHM 152L | General Chemistry II Lab | 1 | | | |
| ENG 105 | Critical Reading and Writing (FNRQ) | 4 | MAT 136 | Calculus I (SCI: SCI: SAS) | 4 | | | |
| TSM 101 | Step 1: Inquiry Approaches to Teaching | 1 | BIO 181 | Unity of Life (SCI: SCI: SAS) | 3 | | | |
| NAU 100 | Transition to College | 1 | BIO 181L | Unity of Life Lab | 1 | | | |
| GE | General Electives * | 3 | TSM 102 | Step 2: Inquiry-Based Lesson Design | 1 | | | |
| | | | LS | Liberal Studies** | 3 | | | |
| Total units | | | | Total units | 16 | | | |

| Sophomore Year | | | | | | | | |
|---------------------------|--------------------------------------|---|----------------------|----------|---------------------------------------|----|--|--|
| 3 rd term | | | 4 th 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 (SCI: SCI: SAS) | 3 | | |
| PHY 161 | University Physics I (SCI: SCI: SAS) | 4 | | TSM 350 | Classroom Interactions | 3 | | |
| TSM 300 | Knowing & Learning | 3 | | BME 300 | Intro to Structured English Immersion | 3 | | |
| Apply to NAUTeach Program | | | | LS/DIV | Liberal Studies / Diversity *** | 3 | | |
| Total units | | | 5 | | Total units | 17 | | |

| Junior Year | | | | | | | | |
|----------------------|----------------------------------|---|----------------------|----------------------------------|----|---|--|--|
| 5 th term | | | 6 th term | | | | | |
| CHM 341 | Physical Chemistry I | 3 | CHM 320 | Analytical Chemistry | 3 | | | |
| ME | Major Elective + | 3 | CHM 320L | Analytical Chem. Lab | 1 | | | |
| JLWC | Junior Level Writing Course **** | 3 | ME | Major Elective + | 3 | | | |
| PHI 359 | Philosophy of Science (AHI) | 3 | TSM 404 | Research Methods | 3 | | | |
| LS | Liberal Studies | 3 | LS/DIV | Liberal Studies / Diversity *** | 3 | | | |
| | | | GE | General Electives | 3 | | | |
| | | | Attempt AEPA | Chemistry Subject Knowledge Test | | | | |
| Total units | | | | Total units | 16 | 5 | | |

| Senior Year | | | | | | | | |
|------------------------------|--------------------------------------|---|---|----------------------|---------------------|----|--|--|
| 7 th term | | | | 8 th term | | | | |
| GLG 101 | Physical Geology (SCI: SCI: LAB) | 3 | | TSM 495C | Apprentice Teaching | 12 | | |
| GLG 103 | Physical Geology Lab (SCI: SCI: LAB) | 1 | | TSM 496C | Seminar | 1 | | |
| BME 437 | SEI Methods in Secondary School | 3 | | | | | | |
| TSM 450 | Project-Based instruction | 3 | | | | | | |
| LS | Liberal Studies | 3 | | | | | | |
| Apply to Apprentice Teaching | | | | | | | | |
| Total units | | | 3 | | Total units | 13 | | |

Total Credits: 120

Liberal Studies Distribution blocks

| AHI (6 units) | SPW (6 units) | CU (6 units) | Science (7 units) | Additional 3 units |
|---------------|---------------|--------------|-----------------------|--------------------|
| PHI 359 | ** | | GLG 101 & GLG 103 (4) | to reach 35 total |
| | | | BIO 181 (3) | PHY 161 (4) |

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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- Pre-Calculus needs to be completed in term 1.

**PSY 101 (SPW) recommended

***Take a Liberal Studies course that also satisfied a Diversity requirement.

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

+ Major electives include two of the following three courses: CHM 350, 360 or 440

NAUTeach Program Admission:

In order to take NAUTeach courses beyond TSM 300, you must be admitted to the NAUTeach Program. Program acceptance is required before enrolling in TSM 350. Admission requirements are as follows:

- · Completion of TSM 101 and 102 with a grade of C or better.
- · Enrollment in TSM 300 Knowing and Learning.
- · Copy of fingerprint clearance card OR verification of application for fingerprint card.
- · Completion of 30 units of coursework which includes:
 - o a grade of at least B for the English foundation requirement (ENG 105 or ENG 101 & 102). If you don't receive a 3.0, you may complete an additional English writing course, at the 200 level or above, with at least a B, to meet this requirement.
 - o a grade of at least C for the Mathematics foundation requirement (MAT 125, 136, or equivalent).
 - o completion of at least three units of content major work.
- A minimum grade point average of 2.5 in all content major course work.
- · A declared science or mathematics B.S.Ed. major.
- · Completion of the NAUTeach program application form.

You must have a grade point average of at least 2.5 in all of your NAU coursework in order to graduate. See catalog for additional information regarding application for Apprentice Teaching.

GENERAL INFORMATION

- · 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.
- 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.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

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