NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Education
CHEMISTRY
(I-STEP)

2008-2009 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term *				2nd term			
CHM 151	General Chemistry I	4		CHM 152	General Chemistry I	3	
CHM 151L	General Chemistry I Lab	1		CHM 152L	General Chemistry II Lab	1	
ENG 105	Critical Reading and Writing (FNRQ)	4		EDF 200	Introduction to Education	3	
GLG 101	Physical Geology (SCI: LAB)	3		MAT 136	Calculus I (SCI: SAS)	4	
GLG 103	Physical Geology Lab (SCI: LAB)	1		BIO 181	Unity of Life (SCI: SAS)	3	
FYE 101	First Year Experience	1		BIO 181L	Unity of Life Lab (SCI: SAS)	1	
				LS	Liberal Studies	3	
	Total units	14			Total units	18	

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 (SCI: SAS)	3	
PHY 161	University Physics I (SCI: SAS)	3		POS 220	Federal & AZ Constitution ***	3	
PHY 161L	University Physics I Lab (SCI: SAS)	1		EPS 325	Ed-Psychology in Middle & High School	3	
LS/DIV	Liberal Studies / Diversity **	3		*LS*	Liberal Studies	3	
				Apply to teacher education program			
	Total units	16			Total units	17	

Junior Year							
5th term				6th term			
CHM 341	Physical Chemistry I	3		CHM 320	Analytical Chemistry	3	
CHM 461	Biochemistry I	3		CHM 320L	Analytical Chem. Lab	1	
CHM 350	Inorganic Chemistry I	3		SCI 460C	Secondary Science Methods	3	
BIO 430C	Science Teaching Methods	3		*JLWC*	Junior Level Writing Course *	3	
LS	Liberal Studies	3		*LS/DIV*	Liberal Studies / Diversity **	3	
				LS	Liberal Studies	3	
	Total units	15			Total units	16	

Senior Year							
7th term				8th term			
SCI 461	Secondary Science Techniques	3		ECI 495C	Supervised Teaching	12	
ECI 322	Secondary School Curriculum	3					
BME 437	SEI Methods in Secondary School	3					
ECI 450	High School Teaching Methods	3					
ECI 465	Evaluation of Learning	3					
ECI 308	Teaching Practicum	1					
	Total units	16			Total units	12	

Liberal Studies Distribution blocks

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

Revised 1/2/2008

PROGRAM INFORMATION

A minimum of 120 units are required for this degree. Note that this degree plan has 124 untis.

I-STEP is a one-term integrate secondary teacher education plan completed during term 7.

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 needs to be taken in term 1.

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

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

***POS 220 OR POS 110 & 241are not required, but will satisfy the AZ certification requirement for federal and AZ constitution. You may meet this requirement by demonstrating proficiency on a special exam.

You must have a grade point average of at least 2.5 in all of your NAU coursework in order to graduate.

To be accepted into the teacher education program for following criteria must be satisfied:

- Completed 45 units of coursework which includes:
  - ENG 101 & 102 or ENG 105 with a minimum cumulative English GPA of 3.0
  - If after completing the English above, you fall below a 3.0, you have two options
    - Repeat ENG 101, 102 or 105 to raise your GPA to 3.0. However if you earned a C in ENG 105, you must utilize the second option
    - Complete one or more of the following courses to replace the grade in ENG 101, 102 or 105 and raise the cumulative GPA to 3.0 – ENG 210, ENG 211, ENG 220, ENG 270, ENG 302 or ENG 310
  - MAT 125, MAT136 or acceptable equivalent with a minimum grade of C.
  - Completion of at least three units of content major work.
  - A minimum grade point average of 2.5 in all content major course work.
  - Declared a major.
- Completed EDF 200 or equivalent with a minimum grade of C
- Copy of fingerprint clearance card OR verification of application for fingerprint card
- Verification of application to NAU
- Completion of one of the following: cumulative 2.5 GPA in liberal studies courses or cumulative 2.5 GPA in all courses
- Recommendation form
- Evidence of completion of a teacher education orientation

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.math.nau.edu/placement.html

CONTACT INFORMATION

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