NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Education
CHEMISTRY
(I-STEP)

2005-2006 Undergraduate Catalog

8-Term Plan

Freshman Year

1st term

CHM 151: 151L	General Chemistry I and Lab	5	
GLG 101	Physical Geology (LS)	3	
GLG 103	Physical Geology Lab	1	
ENG 105	Critical Reading and Writing (FNRQ)	4	
FYE 101	First Year Experience	1	
	*		
	Total units	14	

2nd term

CHM 152	General Chemistry I	3	
CHM 152L	General Chemistry II Lab	1	
MAT 136	Calculus I (SAS)	4	
BIO 181:181L	Unity of Life (SAS)	4	
EDF 200	Introduction to Education	3	
	Total units	15	

Sophomore Year

3rd term

CHM 235	Organic Chemistry I	4	
CHM 235L	Organic Chemistry I Lab	1	
PHY 161: 161L	University Physics I and Lab (SAS)	4	
MAT 137	Calculus II (FNRQ)	4	
Liberal Studies/ Diversity ***		3	
	Total units	16	

4th term

CHM 238	Organic Chemistry II	3	
CHM 238L	Organic Chemistry II Lab	2	
PHY 262	University Physics II (SAS)	3	
POS 220	Federal & AZ Constitution *****	3	
EPS 325	Ed-Psychology in Middle & High School	3	
Liberal Studies		3	
Apply to teacher education program			
	Total units	17	

Junior Year

5th term

CHM 341	Physical Chemistry I	3	
CHM 461	Biochemistry I	3	
CHM 350	Inorganic Chemistry I	3	
BIO 430C	Science Teaching Methods	3	
Liberal Studies			
	Total units	15	

6th term

CHM 320	Analytical Chemistry	3	
CHM 320L	Analytical Chem. Lab	1	
SCI 460C	Secondary Science Methods	3	
Junior Level Writing Course **		3	
Liberal Studies /Diversity ***		3	
Liberal Studies		3	
Meet with advisor prior to enrolling in 7th term			
	Total units	16	

Senior Year

7th term

SCI 461	Secondary Science Techniques	3	
ECI 322	Secondary School Curriculum	3	
ECI 350 ****	Diversity, Technology, & Literature	3	
ECI 450	High School Teaching Methods	3	
ECI 465	Evaluation of Learning	3	
ECI 308	Teaching Practicum	1	
Submit graduation application during 7th term			
	Total units	16	

8th term

ECI 495C	Supervised Teaching	12	
	Total units	12	

PROGRAM INFORMATION

A minimum of 132 units are required for this degree. WHY????

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, PHY 262, BIO 181 and BIO 182, however they are not required.

* If you are not prepared to take MAT 136 in term 2, MAT 125 will 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.

**** ECI 350 was replaced by BME 430 and then by BME 437.

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.

You must have a grade of at lest a B for the English foundation requirement (ENG 105 or equivalent.) If you don't receive a 3.0, you may complete an additional writing course at the 200 level or above with at least a B to meet this requirement.

You must have a grade of at least C for the mathematics foundation requirement.

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 7th 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
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.math.nau.edu/master.html?http://www.math.nau.edu/odin.html

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