NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
GEOCHEMISTRY (EXTENDED MAJOR)
2005-2006 Undergraduate Catalog

8-Term 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	
GLG 101	Physical Geology (LS)	3		MAT 136	Calculus I (SAS)	4	
GLG 103	Physical Geology Lab	1		ENG 105	Critical Reading and Writing (FNRQ)	4	
General Elective	*	3		GLG 102	Historical Geology (SAS)	3	
FYE 101	First Year Experience	1		GLG 104	Historical Geology Lab	1	
	Total units	13			Total units	16	

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		PHY 262	University Physics II (SAS)	3	
PHY 161	University Physics I (SAS)	3		GLG 240	Introduction to Field Methods & Report Writing	2	
PHY 161L	University Physics I Lab	1		Liberal Studies		3	
MAT 137	Calculus II (FNRQ)	4		Diversity		3	
General Elective		3		General Elective		3	
	Total units	16			Total units	17	

Junior Year

5th term				6th term			
CHM 341	Physical Chemistry I	3		CHM 320	Analytical Chemistry	3	
GLG 309	Mineralogy: Introduction to Earth Metals	4		CHM 320L	Analytical Chemistry Lab	1	
Junior Level Writing Course **		3		GLG 315	Petrology	4	
Liberal Studies		3		Liberal Studies		3	
Liberal Studies		3		General Elective		3	
Meet with advisor to discuss capstone options				Meet with advisor prior to enrolling in 7th term			
	Total units	16			Total units	14	

Senior Year

7th term				8th term			
CHM 350	Inorganic Chemistry I	3		Chemistry elective	***	3	
Chemistry elective	***	3		GLG 324	Sedimentology & Stratigraphy	3	
GLG 435	Structural Geology	4		Capstone Course	****	1	
Capstone Course	****	2		Liberal Studies		3	
Diversity		3		General Elective		3	
Submit graduation application during 7th term							
	Total units	15			Total units	13	

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, 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 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

*** Chemistry electives include 6 additional units from CHM upper-division (300 level or higher) courses

****Senior Capstone includes at least two courses from CHM 408C or 485C, 497C, & 498C which equals 3 units.

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

CONTACT INFORMATION

Chemistry Department
Building 20, Room 125
Phone: 928-523-3008
Department Chair: Brandon Cruickshank
Phone: 928-523-9602
EMAIL: Brandon.Cruickshank@nau.edu

Debbie Wildermuth
Academic Services Coordinator
College of Engineering and Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
EMAIL: Debbie.Wildermuth@nau.edu