NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
CHEMISTRY (EXTENDED) - ACS
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	
LS	Liberal Studies	3		ENG 105	Critical Reading and Writing (FNRQ)	4	
DIV	Diversity	3		MAT 136	Calculus I (SCI: SAS)	4	
GE	General Elective *	3		*DIV*	Diversity	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		MAT 238	Calculus III	4	
PHY 161	University Physics I (SCI: LAB)	3		PHY 262	University Physics II (SCI: SAS)	3	
PHY 161L	University Physics I Lab (SCI: LAB)	1		*LS*	Liberal Studies	3	
GE	General Elective	3					
	Total units	16			Total units	15	

Junior Year							
5th term				6th term			
CHM 341	Physical Chemistry I	3		CHM 342	Physical Chemistry II	3	
CHM 350	Inorganic Chemistry I	3		CHM 342L	Physical Chemistry II Lab	1	
MAT 316	Introduction to Linear Algebra	3		CHM 320	Analytical Chemistry	3	
JLWC	Junior Level Writing Course **	3		CHM 320L	Analytical Chemistry Lab	1	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
Meet with advisor to discuss capstone options				*GE*	General Elective	3	
	Total units	15			Total units	14	

Senior Year							
7th term				8th term			
CAP	Capstone Course ***	2		*CAP*	Capstone Course ***	1	
CHM 425	Instrumental Analysis	3		CHM 450	Inorganic Chemistry II	3	
CHM 425L	Instrumental Analysis Lab	2		CHM 450L	Inorganic Chemistry II Lab	1	
LS	Liberal Studies	3		*ME*	Major Elective ****	3	
GE	General Elective	3		*LS*	Liberal Studies	3	
GE	General Elective	2		*GE*	General Elective	4	
	Total units	15			Total units	15	

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total
			PHY 161 & 161L	
			PHY 262	MAT 136 (4)

Revised 1/2/2008

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 courses include at least two of the following: CHM 408C or 485C, 497C, & 498C which equals 3 units.

****Major elective includes 3 units of advanced coursework in chemistry, physics, computer science, molecular biology, engineering, or mathematics.

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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