NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Bachelor of Science
CHEMISTRY (EXTENDED) - ACS
2010-2011 Undergraduate Catalog
Degree Progression 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	
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	
NAU 100	Transition to College	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)	4		PHY 262	University Physics II (SCI: SAS)	3	
GE	General Elective	3		*GE*	General Elective	3	
	Total units	16			Total units	15	

Junior Year							
5th term				6th term			
CHM 341	Physical Chemistry I	3		CHM 442C	Physical Chemistry II	3	
CHM 350	Inorganic Chemistry I	3		CHM 442L	Physical Chemistry II Lab	2	
CHM 360 or 461	Fund. Biochemistry or Biochemistry I ***	3		CHM 320	Analytical Chemistry	3	
JLWC	Junior Level Writing Course **	3		CHM 320L	Analytical Chemistry Lab	1	
GE	General Elective	3		*LS*	Liberal Studies	3	
				GE	General Elective	3	
	Total units	15			Total units	15	

Senior Year							
7th term				8th term			
CHM 425C	Instrumental Analysis	3		CHM 450C	Inorganic Chemistry II	3	
CHM 425L	Instrumental Analysis Lab	2		CHM 450L	Inorganic Chemistry II Lab	1	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
GE	General Elective	4		*GE*	General Elective	4	
	Total units	15			Total units	14	

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 (4)	
			PHY 262 (3)	MAT 136 (4)

Revised 3/10/2010

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

Be aware that some courses (especially 300 & 400 level courses) are only offered once a year (fall only or spring only). These courses may be pre-requisites for future courses. Check with your department for a current course rotation.

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.

*** CHM 360 is recommended

MAT 239 and 316 and CHM 485 and 498 are recommended, especially for students planning to attend graduate school.

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/LScourselist.htm
    - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): http://www4.nau.edu/aio/DiversityCourseList.htm
    - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU

- English placement: http://testing.nau.edu/exams/placement.html
- Math placement: http://www.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

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