

Bachelor of Science CHEMISTRY: BIOCHEMISTRY (EXTENDED MAJOR) - ACS

2009-2010 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1 st term				2 nd 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		
BIO 182	Unity of Life II	4	BIO 181	Unity of Life I (SCI: LAB)	3		
LS or MAT 125	Liberal Studies or Pre-calculus *	3-4	BIO 181L	Unity of Life I Lab (SCI: LAB)	1		
NAU 100	Transition to College	1	ENG 105	Critical Reading and Writing (FNRQ)	4		
			MAT 136	Calculus I (SCI: SAS)	4		
	Total units			Total units	16		

Sophomore Year							
3 rd term			4 th 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		
BIO 205	Microbiology (SCI: SAS)	4	BIO 344	Cellular & Molecular Biology	3		
PHY 161	University Physics I (SCI: SAS)	4	PHY 262	University Physics II (SCI: SAS)	3		
Total units				Total units	15		

Junior Year							
5 th term				6 th term			
CHM 341	Physical Chemistry I	3		CHM 320	Analytical Chemistry	3	
CHM 350	Inorganic Chemistry I	3		CHM 320L	Analytical Chemistry Lab	1	
CHM 461	Biochemistry I	3		CHM 462	Biochemistry II	3	
CHM 460L	Biochemistry Lab	1		CHM 342	Physical Chemistry II	3	
MAT 316	Introduction to Linear Algebra	3		CHM 342L	Physical Chemistry II Lab	2	
LS	Liberal Studies (if one not taken in term 1)	3		JLWC	Junior Level Writing Course *	3	
Meet with an adv	Meet with an advisor to discuss capstone options						
Total units 13-16 Total units					15		

Senior Year							
7 th term				8 th 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		
LS/DIV	Liberal Studies / Diversity ***	3	LS	Liberal Studies	3		
LS	Liberal Studies	3	LS/DIV	Liberal Studies / Diversity ***	3		
			GE	General Elective (if needed to reach 120 units	0-1		
Total units				Total units	14- 1	15	

Liberal Studies Distribution blocks

AHI (6 units) SPW (6 units)		CU (6 units)	Science (7 units)	Additional 3 units	
			BIO 181 & 181L (4)	to reach 35 total	
			PHY 161 (4)	MAT 136 (4)	

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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 need to be added in term 1. This will bring the total units to 123.

- *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.
- *** Take a Liberal Studies course that also satisfies a Diversity requirement.
- **** Major elective include 3 units from: BIO 320, 332, 340, 344, 349L, 350, 369, 401, 425C, 426C, 435C, 440, 444C, 446 or 488C or from any additional CHM course 300 level or higher.

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.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

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