NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Bachelor of Science
BIOMEDICAL SCIENCE
2009-2010 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term				2nd term			
BIO 181/181L or BIO 182	Unity of Life I or Unity of Life II	4		BIO 181/181L or BIO 182	Unity of Life I or Unity of Life II	4	
CHM 151	General Chemistry I (SCI: LAB) **	4		CHM 152	General Chemistry II (SCI: SAS) **	3	
CHM 151L	General Chemistry I Lab (SCI: LAB) **	1		CHM 152L	General Chemistry II Lab **	1	
MAT 125	Pre-calculus Mathematics (FNRQ) **	4		ENG 105	Critical Reading and Writing (FNRQ)	4	
NAU 100	Transition to College	1		*LS*	Liberal Studies	3	
GE	General Elective	2					
	Total units	16			Total units	15	

Sophomore Year							
3rd term				4th term			
BIO 205	Microbiology	4		*ME*	Major Elective *	3	
BIO 305W	Microbiology Writing Lab	1		*ME*	Major Elective *	3	
STA 270 or PSY 230	Applied Statistics or Introduction to Statistics in Psychology **	3-4		CHM 238	General Organic Chemistry II **	3	
CHM 235	General Organic Chemistry I **	4		*LS*	Liberal Studies	3	
CHM 235L	General Organic Chemistry I Lab **	1		*GE*	General Elective	3	
	Total units	13-14			Total units	15	

Junior Year							
5th term				6th term			
ME	Major Elective *	3		*ME*	Major Elective *	3	
CHM 360	Fundamental Biochemistry **	3		*ME*	Major Elective *	3	
PHY 111	General Physics I (SCI: SAS)**	4		PHY 112	General Physics II (SCI: SAS) **	4	
LS	Liberal Studies	3		*DIV*	Diversity	3	
GE	General Elective	1-2		*GE*	General Elective	3	
	Total units	14-15			Total units	16	

Senior Year							
7th term				8th term			
CAP	Capstone ***	3-4		*ME*	Major Elective *	3	
ME	Major Elective *	3		*ME*	Major Elective *	2-3	
DIV	Diversity	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
GE	General Elective	3-4		*GE*	General Elective	3	
	Total units	15-17			Total units	14-15	

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total
			CHM 151/L (5)	
			CHM 152 (3)	PHY 111 (4)

Revised 4/02/2009

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

Recitations are available and strongly encouraged for BIO 181, BIO 182, CHM 151, CHM 152, CHM 235, CHM 238, PHY 111, PHY 112, PHY 161 & PHY 262; however they are not required.

It is required to complete biology and major electives with a grade of C or better.

*Major electives include 23-24 units of additional coursework (maximum of 6 units of non- BIO prefix courses) from:

- BIO 201, 202, 344, 450, 416 (highly recommended)
- Up to 3 units of BIO 300
- BIO 320, 331, 334, 338 338L, 340, 343, 346, 350, 360, 375, 376, 424,440, 440L, 460, 460L, 475
- Up to 6 units total of BIO 485, BIO 497 or BIO 498
- CHM 238L, CHM 462, NTS 256, NTS 370, PHI 332

**Science Support includes 28-36 units from the following courses. The recommended courses are listed on the progression plan and in bold below. Discuss options with an advisor. If you are not prepared to take Pre-calculus (MAT 125), MAT 108 must be taken in preparation. However, MAT 108 is not a requirement for this degree and will satisfy a general elective.

- **CHM 151, 151L, 152, 152L**
- CHM 230 and 230L OR **CHM 235, 235L, and 238** OR CHM 235 and CHM 235L
- **CHM 360** OR CHM 461
- **MAT 125 plus STA 270 or PSY 230** OR MAT 136 only
- **PHY 111 and 112,** OR PHY 161, 262, and 262L
    - If you choose PHY 161 and 262, PHY 263 is strongly recommended

Once the Science Support classes are fulfilled, you can take general electives to satisfy the units

*** Capstone courses include 3- 4 units from the following:

- BIO 482C (recommended), BIO 401C, BIO 420C, BIO 444C, BIO 465C or BIO 488C

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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