NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
BIOLOGY
Pre-health Professions Emphasis
2007-2008 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	
FYE 101	First Year Experience	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		BIO 340	Genetics and Evolution	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	
DIV	Diversity	3					
	Total units	16-17			Total units	15	

Junior Year							
5th term				**6th term**			
BIO 344	Cellular and Molecular Biology	3		*ME*	Major Elective **	3	
ME	Major Elective **	3		PHY 112	General Physics II (SCI: SAS) ***	3	
CHM 360	Fundamental Biochemistry ***	3		PHY 112L	General Physics II Lab (SCI: SAS) ***	1	
PHY 111	General Physics I (SCI: SAS) ***	3		*LS*	Liberal Studies	3	
PHY 111L	General Physics I Lab (SCI: SAS) ***	1		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*GE*	General Elective	1	
	Total units	16			Total units	14	

Senior Year							
7th term				**8th term**			
BIO 425C and 425L **or** BIO 444C	Animal Physiology or Human Physiology	4		*ME*	Major Elective **	2	
ME	Major Elective **	3		*LS*	Liberal Studies	3	
ME	Major Elective **	3		*GE*	General Elective	3	
DIV	Diversity	3		*GE*	General Elective	3	
GE	General Elective	1		*GE*	General Elective	2-3	
	Total units	14			Total units	13-14	

- 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.

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 at least 40 units of biology and major electives with a grade of C or better.

**Major electives include 17 units of additional coursework from:

- any BIO course, except 100/100L, BIO 310 or any BIO recitation course
- up to 3 units of BIO 300
- up to 6 units from BIO 408, 485, 497, and 498
- up to 6 units from PSY 350, 355, 420, 432 and 670; EXS 336, 337, 460, 465C, 570, and 575; and NTS 256, 370, 465, and 470

***Science Support includes 24-36 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 130 and 151L OR **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, 111L, 112, and 112L** OR PHY 161, 161L, 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

GENERAL INFORMATION

- 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
- The diversity requirement may be fulfilled in any part of program of study.
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.math.nau.edu/placement.html

CONTACT INFORMATION

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