NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
MICROBIOLOGY
Applied & Environmental Microbiology Emphasis
2006-2007 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term				**2nd term**			
BIO 181	Unity of Life I	3		BIO 182	Unity of Life II	4	
BIO 181L	Unity of Life I Lab	1		CHM 152	General Chemistry II (SAS)	3	
CHM 151	General Chemistry I (LAB)	4		CHM 152L	General Chemistry II Lab	1	
CHM 151	General Chemistry I Lab (LAB)	1		ENG 105	Critical Reading and Writing (FNRQ)	4	
SS	Math (FNRQ) **	4		*GE*	General Elective	3	
GE	General Elective	2					
FYE 101	First Year Experience	1					
	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		*SS*	Physics (SAS) **	3	
SS	Math **	4		*SS*	Chemistry **	4	
SS	Physics (SAS) **	4		*LS*	Liberal Studies	3	
GE	General Elective	2		*GE*	General Elective	3	
	Total units	15			Total units	16	

Junior Year							
5th term				**6th term**			
BIO 369	Environmental Microbiology	4		*ME*	Major Elective *	3	
ME	Major Elective *	3		*SS*	Chemistry **	3	
SS	Chemistry **	4		*SS*	Physics **	3	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		*GE*	General Elective	3	
	Total units	17			Total units	15	

Senior Year							
7th term				**8th term**			
ME	Major Elective *	3		BIO 471C	Microbial Ecology	3	
ME	Major Elective *	4		*ME*	Major Elective *	4	
DIV	Diversity	3		*LS*	Liberal Studies	3	
GE	General Elective	3		*DIV*	Diversity	3	
	Total units	13			Total units	13	

- 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 elective include 20 units from the following:

- At least 6 units from: BIO 340, BIO 344, and BIO 350
- At least 6 units from: BIO 326, 349L, 343, 346, 376, 410, 411, 475, 409 and 501
- At least 8 additional units from: BIO 326, 300, 340, 344, 349L. 350, 346, 375, 376, 401, 408, 409, 410, 411, 425, 426, 435, 440, 475, 479, 485, 497, 498, 502, 572; CENE 150, 280, 282L, 282L, 330, 332, 435; CHM 360L, 420, 440; ENV 280, 385; FOR 213, 282, 340; GLG 309, 451

**Science Support includes 22-30 units from the following:

- MAT 125 plus STA 270 or PSY 230 **or** MAT 136 only
- PHY 111, 111L, 112, and 112L **or** PHY 161, 161L, 262, 262L, and 263
- CHM 230 and 230L and CHM 320 **or** CHM 235, 235L, and 238
- CHM 360 **or** CHM461

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
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.math.nau.edu/placement.html

CONTACT INFORMATION

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