NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science
MICROBIOLOGY (PRE-HEALTH PROFESSIONS)

2005-2006 Undergraduate Catalog

8-Term Plan

Freshman Year

1st term				2nd term			
BIO 181:181L	Unity of Life I	4		BIO 182	Unity of Life II	4	
CHM 151:151L	General Chemistry I (LS)	5		CHM 152:152L	General Chemistry II(SAS)	4	
Science Support	Math (FNRQ) ***	4		ENG 105	Critical Reading and Writing (FNRQ)	4	
General Elective		2		General Elective		3	
FYE 101	First Year Experience	1					
	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		Science Support	Physics (SAS) ***	3	
Science Support	Math ***	4		Science Support	Chemistry ***	4	
Science Support	Physics (SAS) ***	4		Liberal Studies		3	
Diversity		3					
	Total units	12			Total units	13	

Junior Year

5th term				6th term			
BIO 344	Cellular & Molecular Biology	3		BIO 350	Molecular Genetics	3	
Major Elective	*	4		Major Elective	*	4	
Biology Elective	**	3		Science Support	Chemistry ***	4	
Liberal Studies		3		Science Support	Physics ***	3	
Liberal Studies		3					
				Meet with advisor prior to enrolling in 7th term			
	Total units	16			Total units	14	

Senior Year

7th term				8th term			
BIO 369	Environmental Microbiology	4		BIO 488C	Medical Microbiology	4	
BIO 446	Physiology of Microbial Growth	3		BIO 401C	Immunobiology	4	
Science Support	Chemistry ***	3		Diversity		3	
Liberal Studies		3		Liberal Studies		3	
General Elective		3					
Submit graduation application during 7th term							
	Total units	16			Total units	14	

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 44 units of biology and major electives with a grade of C or better.

*Major electives include 4-8 units of additional coursework from:

- BIO 425C and 425L **or** BIO 201 and 202

** Biology electives include 3 additional units from the following:

- BIO 300, 320, 331, 349L, 408, 411, 424, 440, 444C, 471, 475, 485, 497, 498, 502, and 545

***Science Support Classes include 31-35 units from the following:

- CHM 151, 151L, 152, 152L
- CHM 230 and 230L and CHM 320 **or** CHM 235, 235L, and 238
- CHM 360 **or** 461
- 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

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

GENERAL INFORMATION

- This 8-term plan is to be used in conjunction with the academic catalog and degree audit report.
- 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.
- 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.
- 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/master.html?http://www.math.nau.edu/odin.html

CONTACT INFORMATION

Biology Advisement Center
Building 21, Room 144
Phone: 928-523-9304
Department Chair: Lee Drickamer
Phone: 928-523-0388
EMAIL: Lee.Drickamer@nau.edu

Debbie Wildermuth
Academic Services Coordinator
College of Engineering and Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
EMAIL: Debbie.Wildermuth@nau.edu