

**Degree Progression Plan**

<b>Freshman Year</b>					
<b>1<sup>st</sup> term</b>			<b>2<sup>nd</sup> term</b>		
BIO 181	Unity of Life I	3	BIO 182	Unity Life II	4
BIO 181L	Unity of Life I Lab	1	CHM 152	General Chemistry II (SCI: SAS)	3
CHM 151	General Chemistry I (SCI: LAB)	4	CHM 152L	General Chemistry II Lab	1
CHM 151L	General Chemistry I Lab (SCI: LAB)	1	ENG 105	Critical Reading and Writing (FNRQ)	4
MAT 125 or MAT 136	Pre-calculus or Calculus 1(FNRQ)	4	TSM 102	Step 2: Inquiry-Based Lesson Design	1
TSM 101	Step 1: Inquiry Approaches to Teaching	1	LS	Liberal Studies *	3
NAU 100	Transition to College	1			
Total units			Total units		
15			16		
<b>Sophomore Year</b>					
<b>3<sup>rd</sup> term</b>			<b>4<sup>th</sup> term</b>		
BIO 340	Genetics & Evolution	3	BIO 344	Cellular and Molecular Biology	3
PHY 111	General Physics I (SCI: SAS)	4	ME	Major Elective***	4
STA 270	Applied Statistic (SCI: SAS) +	0-3	CHM 230	Fundamentals of Organic Chemistry (SCI: SAS)	3
TSM 300	Knowing & Learning	3	CHM 230L	Fundamentals of Organic Chemistry Lab	1
LS/DIV	Liberal Studies/Diversity **	3	TSM 350	Classroom Interactions	3
			LS/DIV	Liberal Studies/Diversity **	3
Apply to NAU Teach Program					
Total units			Total units		
13-16			17		
<b>Junior Year</b>					
<b>5<sup>th</sup> term</b>			<b>6<sup>th</sup> term</b>		
BIO 326	Ecology	3	BIO 435C	Evolutionary Biology	3
BIO 326LW	Ecology Lab	1	ME	Botany Elective***	3
BIO 425C & 425L or BIO 201	Animal Physiology & lab or Human Anatomy & Physiology I ****	4	GLG 101	Physical Geology (SCI: SAS)	3
PHI 359	Philosophy of Science (AHI)	3	GLG 103	Physical Geology Lab	1
BME 300	Intro to Structured English Immersion	3	BME 437	SEI Methods in Secondary School	3
			TSM 404	Research Methods	3
			Attempt AEPA Biology Subject Knowledge Test		
Total units			Total units		
14			16		
<b>Senior Year</b>					
<b>7<sup>th</sup> term</b>			<b>8<sup>th</sup> term</b>		
ME	Major Elective ***	4	TSM 495C	Apprentice Teaching	12
ME	Major Elective***	4	TSM 496C	Seminar	1
TSM 450	Project-Based Instruction	3			
LS	Liberal Studies	3			
LS	Liberal Studies	3			
Apply to Apprentice Teaching					
Total units			Total units		
17			13		

Total Credits: 124

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total
PHI 359	*		CHM 151 & 151L (5)	
			CHM 152 (3)	

## **PROGRAM INFORMATION**

A minimum of 120 units are required for this degree. Notice this 8 term plan has 121- 124 units. A grade of C or better is required for the 40 units of biology and major electives.

Be aware that some courses (especially 300 & 400 level courses) are only offered once a year (fall only or spring only). These courses may be pre-requisites for future courses. Check with your department for a current course rotation.

Recitations are available and strongly encouraged for BIO 181, BIO 182, CHM 151, CHM 152, CHM 230 & PHY 111; however they are not required.

\* PSY 101 (SPW) recommended

\*\* Take a Liberal Studies course that also satisfies a Diversity requirement.

\*\*\* Major Electives include 15 units from the following:

- Botany Course Options: at least 3 units from BIO 284, 374, 410, 414, 415, 426C, 426L, 431, 517, 536, and 570
- 12 units of additional coursework to complete 40 units in the major. The following rules apply to course selection:
  - Inclusions: Any BIO course not excluded or limited below.
  - Exclusions: BIO 100, 100L, 310, and BIO recitation ( R ) courses
  - Limitations:
    - up to 3 units of BIO 300
    - up to 6 units from BIO 408, 485, 497, and 498
    - up to 6 units from FOR 403, 404, and 405 and CHM 360 or 461

\*\*\*\* If you take BIO 201, taking BIO 202 for a major elective is strongly recommended.

+ If MAT 136 is complete, STA 270 is not required. The requirement is MAT 125 & STA 270 **OR** MAT 136.

### **NAUTEACH Program Admission:**

In order to take NAUTEACH courses beyond TSM 300, you must be admitted to the NAUTEACH Program. Program acceptance is required before enrolling in TSM 350. Admission requirements are as follows:

- Completion of TSM 101 and 102 with a grade of C or better.
- Enrollment in TSM 300 Knowing and Learning.
- Copy of fingerprint clearance card OR verification of application for fingerprint card.
- Completion of 30 units of coursework which includes:
  - a grade of at least B for the English foundation requirement (ENG 105 or ENG 101 & 102). If you don't receive a 3.0, you may complete an additional English writing course, at the 200 level or above, with at least a B, to meet this requirement.
  - a grade of at least C for the Mathematics foundation requirement (MAT 125, 136, or equivalent).
  - completion of at least three units of content major work.
- A minimum grade point average of 2.5 in all content major course work.
- A declared science or mathematics B.S.Ed. major.
- Completion of the NAUTEACH program application form.

You must have a grade point average of at least 2.5 in all of your NAU coursework in order to graduate.

See catalog for additional information regarding application for Apprentice Teaching.

## **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 7<sup>th</sup> 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 7<sup>th</sup> 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/LScourcelist.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.cefn.s.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml>

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