



NORTHERN ARIZONA UNIVERSITY

College of Engineering, Forestry, and Natural Sciences

Secondary Education - Earth Science Bachelor of Science in Education

2014-2015 2013-2014 Undergraduate Catalog

Four Year Progression Plan

Sample Progression Plans are for planning purposes only; see the catalog for official details

Year 1 - Fall		
Choose one of the options below:		
Option A		
GLG 101	Physical Geology	3
GLG 103	Physical Geology Lab	1
Option B		
GLG 100	Introductory Geology	3
GLG 100L	Introductory Geology Lab	1
Option C		
GLG 112	Geologic Disasters	3
GLG 112L	Geologic Disasters Lab	1
Choose one of the options below:		
Option A		
MAT 125	Precalculus Mathematics	4
Option B		
MAT 136	Calculus I	4
CHM 151	General Chemistry I	4
CHM 151L	General Chemistry I Lab	1
TSM 101	Step 1	1
NAU 100	Transition To College	1

Year 1 - Spring		
GLG 102	Historical Geology	3
GLG 104	Historical Geology Lab	1
BIO 181	Unity Of Life I: Cell Life	3
BIO 181L	Unity Of Life I Lab	1
ENG 105	Critical Read/Writing In Univ	4
TSM 102	Step 2	1

Year 2 - Fall		
GLG 240	Intro Field Mthds & Rprt Wrtg	3
GLG 225	Palaeontology	4
BIO 182	Unity/Life II: Multicellular	3
BIO 182L	Bio 182 Lab	1
TSM 300	Knowing And Learning	3
LIBST COURSE	Liberal Studies Course	3
Apply to NAUTeach Program		

Year 2 - Spring		
GLG 304	Geology Of Arizona	4
GLG 360	Applied Geology	4
GLG 190	The Planets	3
GLG 190L	The Planets Lab	1
TSM 350	Classroom Interactions	3

Year 3 - Fall		
GLG 107	Oceanography	3
GLG 309	Mineralogy: Intro Earth Matls	4
PHY 111	General Physics I	4
PHI 359	Philosophy Of Science	3
LS/DIV COURSE	Liberal Studies/Diversity Course	3

Year 3 - Spring		
GLG 350W	Geologic Communicatn & Topics	3
GLG 115	Climate Change	3
BME 200	Intro Struct English Immersion	3
TSM 404	Research Methods	3
LS/DIV COURSE	Liberal Studies/Diversity Course	3
Apply to Apprentice Teaching		

Year 4 - Fall		
GLG 430	Geomorphology	4
GLG 445C	Earth Science Capstone	1
TSM 450	Project-based Instruction	3
BME 437	Sci Methods Secondary School	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
Submit graduation application this term.		

Year 4 - Spring		
Choose one of the options below:		
Option A		
TSM 495C	Apprentice Teaching	12
Option B		
ECI 495C	Supervised Teaching, Secondary	12
TSM 496C	Apprentice Teaching Seminar	1

University Requirements Specified by Major

Foundation Requirements: English (FNRO:ENG)	ENG 105 (4)
Foundation Requirements: Math (FNRO:MAT)	MAT 125 (4), MAT 136 (4)

Aesthetic and Humanistic Inquiry (AHI)	PHI 359 (3)
Science/Applied Science (SAS/LAB)	BIO 181 (3), PHY 111 (4)
Liberal Studies Elective	CHM 151 (4)

- ① GLG 259 Principles of Geomorphology (3)
- GLG 259L Principles of Geomorphology Lab (1)

## **PROGRAM INFORMATION**

A minimum of 120 units are required for this degree. A grade of C or better is required for the 38 units of GLG courses.

Recitations are available and strongly encouraged for CHM 130, 151, PHY 111, BIO 181 and BIO 182; however they are not required.

\* PSY 101 (SPW) recommended

\*\* In order to be approved for student teaching, you must complete these five courses, earning a grade of B or better in four of the five courses and earning a C or better in the remaining course (TSM 350, 404 & 450, BME 200 & 437)

### **NAUTeach Program Admission:**

In order to take NAUTeach courses, you must apply for and be admitted to the Teacher Education 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.
- Completion of or enrollment in TSM 300 Knowing and Learning.
- Copy of fingerprint clearance card OR verification of application for fingerprint card.
- Completion of 30 units of course work 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).
- A minimum grade point average of 2.5 in all content major course work (must have taken at least 6 units).
- A declared science or mathematics BSED major.
- Completion of a teacher education orientation for secondary education.

You must have a grade point average of at least 2.5 in all of your NAU course work in order to graduate. See catalog for additional information regarding application for Apprentice Teaching.

## **CONTACT INFORMATION**

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