NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Education in Physical Science: Secondary Education (I-STEP)

2007-2008 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term				**2nd term**			
PHY 111	General Physics I (SCI: SAS)	3		PHY 112	General Physics II (SCI: SAS)	3	
PHY 111L	General Physics I Lab	1		PHY 112L	General Physics II Lab	1	
CHM 151	General Chemistry I (SCI: LAB)	4		ENG 105	Critical Reading & Writing (FRNQ)	4	
CHM 151L	General Chemistry Lab (SCI: LAB)	1		CHM 152	General Chemistry II (SCI: SAS)	3	
PHY 103	First Year Seminar	1		CHM 152L	General Chemistry II Lab	1	
GE	General Elective *	4		MAT 136	Calculus I (FNRQ)	4	
	Total units	14			Total units	16	

Sophomore Year							
3rd term				**4th term**			
AST 180	Introduction to Astronomy (SCI: SAS)	3		CHM 230	Fund. of Organic Chemistry (SCI: SAS)	3	
AST 181 or 182	Astronomy Lab	1		PHY 264	Electronics for Science Students	3	
BIO 181	Unity of Life (SCI: SAS)	3		EPS 325	Ed-Psychology in Middle & High School	3	
BIO 181L	Unity of Life Lab	1		POS 220	Federal & AZ Constitution **	3	
EDF 200	Introduction to Education	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3					
LS	Liberal Studies	3					
	Total units	17			Total units	15	

Junior Year							
5th term				**6th term**			
JLWR	Junior Level Writing Requirement ***	3		SCI 460C	Secondary Science Methods	3	
GLG 101	Physical Geology (SCI: SAS)	3		SCI 461	Secondary Science Techniques	3	
GLG 103	Physical Geology Lab	1		GGR 461	Fundamentals of Weather and Climate	4	
CHM 320 or 360	Analytical Chemistry or Fund Biochemistry	3		*LS*	Liberal Studies	3	
BIO 182	Unity of Life II	4		*LS/DIV*	Liberal Studies/Diversity	3	
LS/DIV	Liberal Studies/Diversity ****	3					
Apply to teacher education program							
	Total units	17			Total units	16	

Senior Year							
7th term				**8th term**			
SCI 308	Secondary Science Teaching Practicum	1		ECI 495C	Supervised Teaching	12	
ECI 322	Secondary School Curriculum	3					
BME 437	SEI Methods in Secondary Schools	3					
ECI 465	Evaluation of Learning	3					
ECI 450	High School Teaching Methods	3					
	Total units	13			Total units	12	

- 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.

I-STEP is a one-term integrated secondary teacher education plan completed during term 7

* If you are not prepared to take MAT 136 in term 2, MAT 125 will take the place of the general elective in term 1.

** POS 220 or (POS 110 & 241) are not required courses, but will satisfy the Arizona certification requirement for federal and Arizona constitution. You may meet this requirement by demonstrating proficiency on a special exam.

*** Take any course that satisfies NAU's junior level writing requirement.

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

For primary certification in middle-school general science, take 4 additional units of life science electives to satisfy state requirements.

To be accepted into the teacher education program for following criteria must be satisfied:

- Completed 45 units of coursework which includes:
  - ENG 101 & 102 or ENG 105 with a minimum cumulative English GPA of 3.0
  - If after completing the English above, you fall below a 3.0, you have two options
    - Repeat ENG 101, 102 or 105 to raise your GPA to 3.0. However if you earned a C in ENG 105, you must utilize the second option
    - Complete one or more of the following courses to replace the grade in ENG 101, 102 or 105 and raise the cumulative GPA to 3.0 – ENG 210, ENG 211, ENG 220, ENG 270, ENG 302 or ENG 310
  - MAT 125, MAT136 or acceptable equivalent with a minimum grade of C.
  - Completion of at least three units of content major work.
  - A minimum grade point average of 2.5 in all content major course work.
  - Declared a major.
- Completed EDF 200 or equivalent with a minimum grade of C
- Copy of fingerprint clearance card OR verification of application for fingerprint card
- Verification of application to NAU
- Completion of one of the following: cumulative 2.5 GPA in liberal studies courses or cumulative 2.5 GPA in all courses
- Recommendation form
- Evidence of completion of a teacher education orientation

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

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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