

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

2008-2009 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1 st term				2 nd term			
PHS 101	Physical Science in Everyday Life (SCI: SAS)	3		PHY 111	General Physics I (SCI: SAS)	3	
PHS 101L	Physical Science Lab	1		PHY 111L	General Physics I Lab	1	
CHM 151	General Chemistry I (SCI: LAB)	4		CHM 152	General Chemistry II (SCI: SAS)	3	
CHM 151L	General Chemistry Lab (SCI: LAB)	1		CHM 152L	General Chemistry II Lab	1	
PHY 103	First Year Seminar	1		ENG 105	Critical Reading & Writing (FRNQ)	4	
MAT 125	Pre-Calculus (FNRQ)	4		LS	Liberal Studies	3	
Total units 14					Total units	15	

Sophomore Year							
3 rd term			4 th term				
PHY 112	General Physics II (SCI: SAS)	3	BIO 182	Unity of Life II	4		
PHY 112L	General Physics II Lab	1	AST 180 or 183	Introduction to Astronomy or Life in the Universe (SCI: SAS)	3		
BIO 181	Unity of Life (SCI: SAS)	3	AST 181 or 184L	Astronomy or Life in the Universe Lab	1		
BIO 181L	Unity of Life Lab	1	EPS 325	Ed-Psychology in Middle & High School	3		
EDF 200	Introduction to Education	3	POS 220	Federal & AZ Constitution *	3		
LS	Liberal Studies	3	LS	Liberal Studies	3		
LS/DIV	Liberal Studies/Diversity ***	3					
	Total units	17		Total units	17		

Junior Year							
5 th term				6 th term			
BIO 326	Ecology	3		PHY 264	Electronics for Science Students	3	
BIO 326LW	Ecology Lab	1		BIO 340	Genetics & Evolution	3	
GLG 101	Physical Geology (SCI: SAS)	3		SCI 460C	Secondary Science Methods	3	
GLG 103	Physical Geology Lab	1		LS/DIV	Liberal Studies/Diversity ***	3	
GGR 461	Fundamentals of Weather & Climate	4		GE	General Elective **	2	
LS	Liberal Studies	3					
Apply to teach	Apply to teacher education program						
Total units					Total units	14	ļ

Senior Year							
7 th term			8 th term				
SCI 308	Secondary Science Teaching Practicum	1		ECI 495C	Supervised Teaching	12	
SCI 461	Secondary Science Techniques	3					
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		16			Total units	12	

Liberal Studies Distribution blocks

AHI (6 units)	HI (6 units) SPW (6 units) CU (6 units)		Science (7 units)	Additional 3 units
			CHM 151 & L (5)	to reach 35 total
			CHM 152 (3)	BIO 181 (3)

Page 1 of 2 Revised 1/4/2008

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

* 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.

** GLG 304, PHI 359, CHM 230 or CHM 320 are recommended for the general elective

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

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

- Completed 45 units of coursework which includes:
 - o ENG 101 & 102 or ENG 105 with a minimum cumulative English GPA of 3.0
 - o 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
 - o MAT 125, MAT136 or acceptable equivalent with a minimum grade of C.
 - Completion of at least three units of content major work.
 - o 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

- 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.
- 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

Department of Physics and Astronomy Building 19, Room 209 Phone: 928-523-2661

Department Chair: David Cornelison

Phone: 928-523-7641

EMAIL: David.Cornelison@nau.edu

Debbie Wildermuth Academic Services Coordinator

College of Engineering and Natural Sciences

Building 21, Room 102 Phone: 928-523-3842

EMAIL: <u>Debbie.Wildermuth@nau.edu</u>

Page 2 of 2 Revised 1/4/2008