NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Education in PHYSICS: SECONDARY EDUCATION (I-STEP)

2005-2006 Undergraduate Catalog

8-Term Plan

Freshman Year

1st term				2nd term			
PHY 161	University Physics I	3		PHY 262	University Physics II	3	
PHY 161L	University Physics I Lab	1		PHY 262L	University Physics II Lab	1	
MAT 136	Calculus I (SAS)	4		MAT 137	Calculus II (FNRQ)	4	
ENG 105	Critical Reading and Writing (FNRQ)	4		AST 180 or AST 183	Introduction to Astronomy or Life in the Universe (SAS)	3	
Diversity		3		AST 182 or AST 184L	Introduction to Daytime Astronomy Lab or Life in the Universe Lab	1	
PHY 103	First Year Seminar	1		Liberal Studies		3	
	Total units	16			Total units	15	

Sophomore Year

3rd term				4th term			
PHY 263	University Physics III	3		PHY 264	Electronics for Science Students	3	
CHM 151: 151L	General Chemistry I (LS)	4		CHM 152	General Chemistry II (SAS)	3	
CHM 151L	General Chemistry I Lab (LS)	1		CHM 152L	General Chemistry II Lab	1	
EDF 200	Introduction to Education	3		EPS 325	Ed-Psychology in Middle & High School	3	
Diversity		3		Liberal Studies		3	
General Elective		1		General Elective		3	
	Total units	15			Total units	16	

Junior Year

5th term				6th term			
POS 220 **	Federal & AZ Constitution	3		PHY 361	Modern Physics	3	
CHM 295	Lab Safety & Supervision	2		PHY 333W	Advanced Lab	3	
Liberal Studies		3		CHM 230: 230L	Fund of Organic Chemistry & Lab (SAS)	4	
Liberal Studies		3		SCI 461	Secondary Science Techniques	3	
Liberal Studies		3		SCI 308	Teaching Practicum	1	
General Elective		3					
Apply to teacher education program				Meet with advisor prior to enrolling in 7th term			
	Total units	17			Total units	14	

Senior Year

7th term				8th term			
ECI 322	Secondary School Curriculum	3		ECI 495C	Supervised Teaching	12	
BME 437 ***	SEI Methods in Secondary Schools	3					
ECI 465	Evaluation of Learning	3					
ECI 450	High School Teaching Methods	3					
SCI 460C	Secondary Science Methods	3					
Submit graduation application during 7th term							
	Total units	15			Total units	12	

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

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

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.

*** ECI 350 was replaced by BME 430 (if taken before Fall 2006) and then by BME 437.

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

You must have a grade of at lest a B for the English foundation requirement (ENG 105 or equivalent.) If you don't receive a 3.0, you may complete an additional writing course at the 200 level or above with at least a B to meet this requirement.

You must have a grade of at least C for the mathematics foundation requirement.

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

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