



# Secondary Science Teacher Certification Requirements

## Earth and Space Science

### Undergraduate Program

Candidate: \_\_\_\_\_

Advisor: \_\_\_\_\_

Initial GPA: \_\_\_\_\_ Campus ID: \_\_\_\_\_

Date: \_\_\_\_\_ Date: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_ Date: \_\_\_\_\_ Date: \_\_\_\_\_

<u><b>Astronomy Requirements:</b></u>	Semester taken	Grade
PHYS 105 Ideas in Astronomy	_____	_____
<u><b>Biological Science Requirements:</b></u>		
BIOL 100 Concepts of Biology	_____	_____
BIOL 100L Concepts of Experimental Biology	_____	_____
BIOL 233 Nutrition for Health Professions OR	_____	_____
BIOL 301 Evolution and Ecology	_____	_____
<u><b>Chemistry Requirements:</b></u>		
CHEM 123 Introduction to General Organic and Biochemistry I	_____	_____
CHEM 124 Introduction to General Organic and Biochemistry I	_____	_____
CHEM 124L General Organic and Biochemistry Lab	_____	_____
<u><b>Mathematics Requirements:</b></u>		
MATH 150 Pre-calculus Mathematics	_____	_____
MATH 151 Calculus and Analytic Geometry I OR	_____	_____
MATH 155 Elementary Calculus I	_____	_____
<u><b>Physics Requirements:</b></u>		
PHYS 111 Basic Physics I	_____	_____
PHYS 112 Basic Physics II	_____	_____
<u><b>History or Philosophy of Science:</b></u>		
HIST 445 History of Science to 1700 <b>OR</b>	_____	_____
HIST 446 History of Science since 1700 <b>OR</b>	_____	_____
PHIL 372 Philosophy of Science	_____	_____
<u><b>Interdisciplinary Studies Requirements:</b></u>		
INDS 430 Seminar in Interdisciplinary Studies	_____	_____
INDS 490 Capstone Project in Interdisciplinary Studies	_____	_____
<u><b>Scientific Skills and Technology Requirements:</b></u>		
EDUC 302 Basic Scientific Processes	_____	_____
EDUC 465 Computer Literacy	_____	_____
EDUC 467 Integrating Technology and Resources into the Curriculum	_____	_____
<u><b>Geography and Geology Requirements:</b></u>		
GES 120 Environmental Science and Conservation	_____	_____
GES 110 Physical Geography <b>AND</b>	_____	_____
At least 12 credits from the following:		
GES 310 Geomorphology	_____	_____
GES 311 Weather and Climate	_____	_____
GES 312 Climatic Change	_____	_____
GES 313 Biogeography	_____	_____
GES 318 Natural Environment of the Chesapeake Bay	_____	_____

(M) (R) (W) (C)

**PRAXIS I** \_\_\_\_\_  
**PRAXIS II** \_\_\_\_\_

*A composite score of 527 on PRAXIS I or qualified SAT or ACT score is required for admission. PRAXIS II must be passed for program completion and certification. Students may be admitted provisionally without passing PRAXIS I but are required to successfully complete PRAXIS I by the end of the first semester of study in the program.*

**Professional Education Requirements:**

*A GPA of 2.75 is required for program entry. A GPA of 3.0 is required for entering internship.*

	Semester	Grade
EDUC 310 Inquiry into Education	_____	_____
EDUC 311 Psychological Foundations of Education	_____	_____
EDUC 388 Inclusion and Instruction	_____	_____
EDUC 410 Reading in the Content Area I	_____	_____
EDUC 411 Reading in the Content Area II	_____	_____
EDUC 412 Analysis of Teaching and Learning	_____	_____
EDUC 427 Secondary Science Methods	_____	_____
EDUC 456 Internship in Secondary Education	_____	_____
EDUC 457 Internship Seminar in Secondary Education	_____	_____

**Comments:**

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**Notes:**

*Students in the teacher certification program should see their academic major advisor and their education advisor every semester. The education advisor is responsible for the requirements of the teacher certification program only. All major and University requirements should be confirmed with your academic major advisor.*