Secondary Science Teacher Certification Requirements
Earth and Space Science
Undergraduate Program

Candidate: __________________________________________
Initial GPA: __________ Campus ID: _____________________

Advisor: ____________________________________________
Date: __________ Date: __________ Date: __________
Date: __________ Date: __________ Date: __________

Astronomy Requirements:
PHYS 105 Ideas in Astronomy
PHYS 100 Concepts of Biology
CHEM 123 Introduction to General Organic and Biochemistry I
CHEM 124 Introduction to General Organic and Biochemistry II
CHEM 124L General Organic and Biochemistry Lab

Biological Science Requirements:
Biol 100 Concepts of Biology
Biol 233 Nutrition for Health Professions OR
Biol 301 Evolution and Ecology

Chemistry Requirements:
CHEM 123 Introduction to General Organic and Biochemistry I
CHEM 124 Introduction to General Organic and Biochemistry II
CHEM 124L General Organic and Biochemistry Lab

Mathematics Requirements:
MATH 150 Pre-calculus Mathematics
MATH 151 Calculus and Analytic Geometry I OR
MATH 155 Elementary Calculus I

Physics Requirements:
PHYS 111 Basic Physics I
PHYS 112 Basic Physics II

History or Philosophy of Science:
HIST 445 History of Science to 1700 OR
HIST 446 History of Science since 1700 OR
PHIL 372 Philosophy of Science

Interdisciplinary Studies Requirements:
INDS 430 Seminar in Interdisciplinary Studies
INDS 490 Capstone Project in Interdisciplinary Studies

Scientific Skills and Technology Requirements:
EDUC 302 Basic Scientific Processes
EDUC 465 Computer Literacy
EDUC 467 Integrating Technology and Resources into the Curriculum

Geography and Geology Requirements:
GES 120 Environmental Science and Conservation
GES 110 Physical Geography AND
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

Notes:

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. Students must attain a B or better in all required education courses at the 400 level.

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:

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.