Earth & Space Science - 128 Bloomsburg University Department of Educational Studies and Secondary Education

Secondary Education Degree Requirements  B.S.Ed.

EGGS: Earth Science major and other science course requirements: 43 Credits

____(3) EGGS 100 Environmental Science
____(4) EGGS 120 Physical Geology
____(4) EGGS 130 Historical Geology
____(3) EGGS 242 Map Use and Analysis
____(4) EGGS 260 Earth Materials
____(3) EGGS 360 Principles of GSI
____(4) BIOLOGY 114 Concepts in Biology I
____(4) CHEM 115 Chemistry for Sciences I
____(4) PHYSICS 111 Introductory Physics I
(or PHYSICS 211 Gen Physics I)
____(4) PHYSICS 112 Introductory Physics II
(or PHYSICS 212 Gen Physics II)

Select two of the following courses  In order to Complete the program in 128 Credits, choose two 3 Credit courses

____(4) EGGS 265 Geomorphology
____(3) EGGS 320 Remote Sensing of the Earth
____(4) EGGS 365 Paleontology
____(4) EGGS 368 Stratigraphy & Sedimentation
____(4) EGGS 369 Structural Geology
____(3) EGGS 370 Surface Hydrology
____(4) EGGS 420 Planetary Science
____(4) EGGS 460 Aqueous Geochemistry
____(3) EGGS 470 Groundwater Hydrology
____(4) EGGS 480 Applied Geophysics
____(3) EGGS 490 Special Topics in Geology
____(3) EGGS 493 Senior Research
____(3) MARSCI 250 Wetlands Ecology
(or other Marine Science courses approved by Geography & Geoscience Dept.)

Recommended if teaching High School Earth & Space Science

____CHEM 116 Chemistry for Sciences II

Education  35 Credits

____(3) EDFOUND 204 Educ. Technology
____(2) EDFOUND 206 Teachers, Schools, & Society
____(3) EDFOUND 291 Principles of Teaching
____(3) EDFOUND 311 Classroom Measurement & Assessment
____(3) SECED 453/553 Teaching of Science
(Offered Fall Semester Only) OR
____(6) PROFSTUD 320 PDS Replaces EDFOUND 311 & SECED 453
____(3) SECED 275 Linking Assessment & Instruction for Students with Disabilities
____(3) SECED 358 Methods of Instruction for Individuals with Disabilities
____(6) EDFOUND 497 Student Teaching 1st Experience
____(6) EDFOUND 498 Student Teaching 2nd Experience

General Education  53 Credits

Communications  9 Credits

____(3) ENGLISH 101 Composition I
____(3) ENGLISH 201 Composition II
____(3) ENGLISH 201 Composition II or a Writing Intensive Course:
   ENGLISH 131, ENGLISH 151, ENGLISH 152, ENGLISH 156, ENGLISH 226, ENGLISH 227, ENGLISH 236, ENGLISH 237, ENGLISH 246, ENGLISH 247, ENGLISH 256, ENGLISH 257

Values  3 Credits

____(3) EDFOUND 406 Multicultural Education

Quantitative/Mathematics  3 Credits

____(3) EGGS 150 Quantitative Methods in the Earth Sciences

Group A Humanities  12 Credits are required

3 credits are satisfied by the 2nd writing requirement in Communications

____(3) ENGLISH 101 Composition I
or a Writing Intensive Course:  ENGLISH 131, ENGLISH 151, ENGLISH 152, ENGLISH 156, ENGLISH 226, ENGLISH 227, ENGLISH 236, ENGLISH 237, ENGLISH 246, ENGLISH 247, ENGLISH 256, ENGLISH 257

Group B Social/Behavioral Science

The following 12 Credits are required for all Secondary Education Science majors

____(3) SOC 211 Prin. of Sociology
____(3) PSYCH 101 Gen. Psychology
____(3) PSYCH 212 Adol. Psychology
____(3) SPECED 101 Intro. Ex. Individuals

Group C Natural Sciences  12 Credits

Students should take the courses listed below or select remaining credits from approved list of Earth & Space Science electives (see attached Earth & Space Science elective sheet – 4 courses must be taken)

____(3) EGGS 255 Meteorology
____(3) EGGS 259 Oceanography
____(3) PHYSICS 110 Intro. to Astronomy
____(3) 2nd Math course selected from the following: MATH 113, MATH 123, MATH 125, MATH 126, MATH 141

Fitness and Recreation  2 Credits

____(1) ________________
____(1) ________________

Student Name ___________________________  Student ID# ___________

Effective: ???
Date of Graduation: ????>, ISIS 6/23/11, Revised 1/25/12
Students should select three additional courses from the following list of approved Earth & Space Electives to fulfill Group C requirements:

___(4) EGGS.261 Mineralogy
___(4) EGGS.262 Petrology
___(3) EGGS.320 Remote Sensing of the Earth
___(4) EGGS.360 Paleontology
___(4) EGGS.365 Geomorphology
___(4) EGGS.369 Structural Geology
___(3) EGGS.370 Principles of Hydrology
___(4-6) EGGS.451 Field Tech. In Earth & Space Science
___(4) EGGS.468 Stratigraphy & Sedimentation
___(3) EGGS.470 Groundwater Hydrology
___(4) EGGS.420 Planetary Geology