

Requirements for BSE: Physical Science/Earth Science Concentration

Name _____

I.D. # _____

REQUIRED PHYSICS COURSES (18 hrs)

_____ PHYS 1441 University Physics 1
_____ PHYS 1442 University Physics 2
_____ PHYS 2443 University Physics 3
_____ PHYS 3110 Junior Laboratory 1
_____ PHYS 3120 Junior Laboratory 2
_____ PHYS 4110 Senior Laboratory
_____ PHYS 4360 Physics for Secondary Teachers

PHYSICS ELECTIVE (3 hrs from the following)

_____ PHYS 3342 Mechanics OR
_____ PHYS 3343 Thermal Physics

REQUIRED CHEMISTRY COURSES (12 hrs)

_____ CHEM 1450 College Chemistry I
_____ CHEM 1451 College Chemistry II
_____ CHEM 2401 Organic Chemistry I

CHEMISTRY ELECTIVE (4-5 hrs from the following)

_____ CHEM 3411 Organic Chemistry II OR
_____ CHEM 3520 Quantitative Analysis

MATHEMATICS COURSES (13 hours)

_____ MATH 1591 Calculus I
_____ MATH 1592 Calculus II
_____ MATH 2371 Calculus III

NOTE: A 2.5 GPA minimum must be maintained both cumulatively and in all "major" courses. Additionally, students must earn a "C" or higher in all "major" courses. These requirements must be met before students can participate in Internship II: SCI 4680 and SCI 4681.

EARTH SCIENCE COURSES (11 hrs)

_____ PHYS 1401 Descriptive Astronomy
_____ SCI 3410 Earth Science
_____ GEOG 1305 Geography

BIOLOGICAL SCIENCE (4 hours)

_____ BIOL 1440 Principles of Biology I

SECONDARY EDUCATION REQUIREMENTS

_____ EDUC 1300 Education as a Profession
_____ EDUC 1240 Basic Educational
Technology Skills (only required if Technology
Competency Test is not passed)

_____ MSIT 3310 Development and Learning
_____ EDUC 3309 Family, School, Community
Partnerships

Admission to teacher education required for the following professional education courses:

_____ EDUC 3321 Intro. Strategies for Students
with Diverse Learning Needs
_____ MSIT 4305 Classroom Management
_____ SCI 4400 Secondary Science Methods
_____ MSIT 4321 Curriculum Planning &
Assessment
_____ MSIT 4325 Literacy Development
_____ EDUC 4210 Integration of Technology
into Teaching and Learning
_____ SCI 4190 Internship-I
_____ SCI 4680 Internship-II
_____ SCI 4681 Internship-II

(The Bachelor of Science Education with the Physical Science/Earth Science Concentration requires successful completion of a minimum of 133 hours, including the General Education requirements.)

10/08/2010