

I. General Education Program Requirements: Eight semester hours (8 SH) of courses identified with an asterisk (*) may be used by elementary education majors to satisfy General Education requirements and nine (9 SH) by non-elementary education majors.

II. Math, Science, & Technology Concentration Requirements:18 SH
 Select courses from a minimum of two and a maximum of three different fields (prefixes).

ASTRONOMY

AST 1001 Intro Astro I / Solar System* 4 (F)
 AST 1002 Intro Astro II / Star Galax* 4 (S)

BIOLOGY

BIO 1201 Biology in Society I* 3 (F;S)
 BIO 1202 Biology in Society II* 3 (F;S)
 BIO 1203 Biology in Society Laboratory 2 (F;S)
 BIO 2000 Introduction to Botany 4 (F;S)
 BIO 2001 Introduction to Zoology 4 (F;S)
 BIO 2400 & 2410 Genetics & Lab 4 (F;S)
 BIO 3302 Ecology 4 (F;S)
 BIO 3308 Microbiology 4 (F;S)
 BIO 3310 Marine Sciences 3 (S)
 BIO 3312 Environmental Studies 3 (F;S)
 BIO 4551 Ornithology 4 (S)
 BIO 4552 Entomology 4 (F)
 BIO 4559 Mammalogy 4 (S)
 BIO 4569 Invertebrate Zoology 4 (F)

CHEMISTRY

CHE 1101 & 1110 Intro Chem I & Lab* 4 (F;S)
 CHE 1102 & 1120 Intro Chem II & Lab* 4 (F;S)
 CHE 2201 & 2203 Organic Chem I & Lab 4 (F;S)
 CHE 2202 & 2204 Organic Chem II & Lab 4 (F;S)
 CHE 2210 Quantitative Analysis 3 (F;S)
 CHE 2211 Quantitative Analysis Lab 1 (F;S)

COMPUTER SCIENCE

CS 1100 Discrete Mathematics 3 (F;S)
 CS 1440 Computer Science I 4 (F;S)
 CS 2440 Computer Science II 4 (F;S)

GEOGRAPHY

GHY 1011 Global Climate Change* 4 (F;S)
 GHY 1012 Global Change of the Biosphere* 4 (F;S)
 GHY 3100 Weather and Climate 3 (S)

GEOLOGY

GLY 1101 Intro to Physical Geology* 4 (F;S)
 GLY 1102 Intro to Historical Geology* 4 (F;S)

GLY 1103 Environmental Change, Hazards,
 and Resources* 4 (F;S)
 GLY 1105 Oceanography 4 (S)
 GLY 1104 Water: Mountains to Sea* 4 (F)

MATH

MAT 1010 Intro to Math*(Preferred for EE) 4 (F;S)
 MAT 1020 College Algebra w/App* 4 (F;S)
 MAT 1025 Algebra & Elem Fun* 4 (F;S)
 MAT 1030 Calculus w/Bus App* 4 (F;S)
 MAT 1110 Calc Analy Geom I* 4 (F;S)
 MAT 1120 Calc Analy Geom II 4 (F;S)
 MAT 2130 Calc Analy Geom III 4 (F;S)
 MAT 2240 Intro Linear Algebra 3 (F;S)
 MAT/CI 3030 Investigating Mathematics
 and Learning (4 SH) (Required for EE;
1 SH to be counted for SAC) 1 (F;S)
 MAT 3130 Intro to Differential Equations 3 (F;S)
 MAT 3910 Intro to the Logic and Structure of
 Mathematics I 4 (F;S)
 MAT 3920 Intro to the Logic and Structure of
 Mathematics II 4 (S)
 MAT 4910 Informal Geometry 3 (F)
 MAT 4930 Basic Concepts of Probability and
 Statistics 3 (S)

PHYSICS

PHY 1101 How Things Work* 4 (F)
 PHY 1102 Environment and Everyday Life 4 (S)
 PHY 1103 General Physics I* 4 (F;S)
 PHY 1104 General Physics II* 4 (F;S)
 PHY 1150 Analytical Physics I* 5 (F;S)
 PHY 1151 Analytical Physics II* 5 (F;S)

STATISTICS

STT 1810 Basic Statistics* 3 (F;S)
 STT 2810 Introduction to Statistics* 3 (F;S)
 STT 3820 Statistical Methods I* 3 (F;S)

TECHNOLOGY

TEC 2029 Society and Technology* 3 (F;S)

Students must observe all prerequisites for courses as listed in the GENERAL BULLETIN. Not all courses are offered every semester. The student should consult the BULLETIN for prerequisites and "Schedule of Classes" to identify which courses are offered which semester.

Contact Person: Students should contact their major program coordinator or advisor with questions. If question is in relation to a course on this list, the Chairperson of the department of the course should be contacted.....