Science Elective II

The following are approved for SIE students

Applied Mathematics

Only the following classes are acceptable Science II electives:

APMA 2102 Discrete Mathematics I
APMA 3140 Vector Calc and Par Diffntl Eqns
APMA 5070 Numerical Methods
APMA 6020 Continuum Mechanics W/applctns
APMA 6548 Intro Chaos Bifurcations Stab
APMA 7548 Chaotic Dynamics & Nonlinear Analysis

Astronomy

Only the following classes are acceptable Science II electives:
ASTR 2110 General Astronomy
ASTR 2120 General Astronomy
ASTR 3130 Observational Astronomy
ASTR 3140 Introduction to Observational Radio Astronomy
ASTR 3880 Planetary Astronomy
ASTR 4810 Introduction to Astrophysics
Any 5000 level or higher classes are acceptable Science II electives

Biology

All 2000 level and above classes are acceptable Science II electives.

Chemistry

All 2000 level and above classes are acceptable Science II electives.

Computer Science

Only the following classes are acceptable Science II electives:
CS 2120 Discrete Mathematics and Theory 1
CS 3120 Discrete Mathematics and Theory 2

Electrical and Computer Engineering

Only the following classes are acceptable Science II electives:
ECE 2066 Science of Information

Environmental Sciences

All 2000 level and above classes are acceptable Science II electives with the **exception** of the following:
EVSC 2030 Politics, Science, and Values: An Introduction to Environmental Policy
EVSC 3020 GIS Methods
EVSC 4030 Environmental Policymaking in the United States
EVSC 4040 GIS and Arc/Info
EVSC 4070 Advanced GIS
EVSC 5030 Applied Statistics for Environmental Scientist
EVSC 5110 Systems Analysis in Environmental Sciences

Material Science and Engineering

Only the following classes are acceptable Science II electives:
MSE 2010 Materials That Shape Our Civilization
MSE 2090 Introduction to the Science and Engineering of Materials

Mathematics

All 2000 level and above classes are acceptable Science II electives with the **exception** of the following:
MATH 2310 Calculus III
MATH 3100 Introduction to Mathematical Probability
MATH 3120 Introduction to Mathematical Statistics
MATH 3250 Ordinary Differential Equations
MATH 3351 Elementary Linear Algebra
MATH 5010 The History of Calculus
MATH 5030 The History of Mathematics

Physics

All 2000 level and above classes are acceptable Science II electives with the **exception** of the following:
PHYS 2010 Principles of Physics I
PHYS 2020 Principles of Physics II
PHYS 2310 Classical and Modern Physics I
PHYS 2320 Classical and Modern Physics II

Psychology

PSYC 2200 A Survey of the Neural Basis of Behavior