

Required coursework for students without a science undergraduate degree

(Approved by EES faculty in revised form, October 25, 2012)

The following is a list of courses required for students who do not have an undergraduate degree in a science discipline, and seek a graduate degree in the Earth and Environmental Sciences. Equivalent courses will be considered.

Introductory Courses

Completion of ONE of the following sequences of lecture and laboratory (4 credit hours)

EES 1000/EES 1001 – Physical Geology (Dynamic Earth); lecture and lab (4)

EES 1004/EES 1005 – Earth and Environment through time; lecture and lab (4)

EES 1002/EES 1003 – Introduction to Environmental Science; lecture and lab (4)

Foundation Courses (11 credit hours)

EES 2700 – Earth Materials (4)

EES 2051 – Geomorphology (3)

EES 2000 – Methods in Earth and Environmental Sciences (4)

Other Courses (6-7 credit hours)

EES 3100 – Earth Structures (3) or EES 2510 Environmental Science and Policy (3)

Plus completion of one of the following courses from the list below (or another EES elective at the 4000 level):

EES 2740 – Principles of Paleontology (3); EES 3310 – Igneous, Sedimentary and Metamorphic Petrology (3); EES 4110 – Introduction to Geophysics (3); EES 4750 – Principles of Stratigraphy (4); EES 4520 – Estuarine Environmental Science (4); EES 4550 – Coastal Geomorphology (3) (Other approved EES courses may be substituted if available)

Science Requirements (7 credit hours)

MATH 2107 (3) – Calculus and Analytical Geometry I

Completion of one lecture/lab sequence in Biology, Chemistry, or Physics

PHYS 1031 paired with PHYS1033 or PHYS 1061 paired with PHYS 63 (4)

BIOS 1071 paired with BIOS 1073 (4)

CHEM 1017 paired with CHEM 1007 (4)