Science Education, Secondary

Twelve core credits plus at least 18 credits chosen from the following list, or other courses selected in consultation with the program advisor.

Recommended:

EDCS 640J: Seminar in Science

EDCS 623 (Alpha): Science Curriculum. May be repeated once under a different alpha. (B) Elementary, (C) Secondary, (D) Inquiry and the nature of science, and (E) Science Literacy

At least one of these:

EDCS 433: Interdisciplinary Science Curriculum

EDCS 450: Methods and Materials in Science

One course in the history or philosophy of science from the following list:

PHIL 308: Philosophy of Science

PHIL 315/OCN 315: Modeling Natural Systems

PHIL 316: Science, Technology and Society

PHIL 492: Philosophy for Children

PHIL 621: Studies in Philosophy of Science

PHIL 630: History and Theory of Science

At least 2 additional science courses at the 300, 400 or 600 level and 1 credit of laboratory.

These courses should be selected with approval of your advisor from among the following areas:

Anthropology (ANTH); Biology (BIOL); Botany (BOT); Chemistry (CHEM); Entomology (ENTO); Environmental Biochemistry (ENBI); Food Science and Human Nutrition (FSHN); Geography (GEO); Geology and Geophysics (GG); Horticulture (HORT); Interdisciplinary Studies (IS); Meteorology (MET); Microbiology (MICR); Natural Sciences (NSCI); Ocean and Earth Science and Technology (OEST); Oceanography (OCN); Physics (PHYS); Plant Molecular Physiology (PMP); Public Health Sciences and Epidemiology (PH); Zoology (ZOOL)

Plus: Plan A Thesis or Plan B Project