



Recommended Mathematics and Science Courses for Elementary Education and Comprehensive Special Education

The following Mathematics courses are recommended to fulfill the Mathematics single subject, as well as the additional Mathematics course requirement for elementary or comprehensive special education teachers.

Recommended Mathematics Courses

Department	Number	Course Name	Credits
MATH	1011Q	Introductory College Algebra and Mathematical Modeling	3
MATH	1020Q	Problem Solving	3
MATH	1030Q	Elementary Discrete Mathematics	3
MATH	1060Q	Pre-Calculus	3
MATH	1070Q	Mathematics for Business and Economics	3
MATH	1071Q	Calculus for Business and Economics	3
MATH	1131Q	Calculus 1	4
MATH	1132Q	Calculus 2	4
MATH	2010Q*	Fundamentals of Algebra and Geometry	3
MATH	2011Q**	Fundamentals of Algebra and Geometry	3
STAT	1000Q	Introduction to Statistics I	4
STAT	1100Q	Elementary Concepts of Statistics	4

NOTE: Please check University of Connecticut General Catalog for course description and required prerequisite courses for courses listed above.

* MATH 2010Q is required for elementary education students. Prerequisite is one MATH Q course.

**MATH 2011Q is highly recommended for elementary education students.

The following Science courses are recommended to fulfill the Science single subject, as well as the additional Science course requirement for elementary or comprehensive special education teachers.

Recommended Science Courses

Department	Number	Course Name	Credits
ANSC	1645	The Science of Food	3
AH	1030	Interdisciplinary Approach to Obesity Prevention (Honors course)	3
BIOL	1102	Foundations of Biology, CA3-LAB	4
BIOL	1103	The Biology of Human Health and Disease, CA3-LAB	4
BIOL	1110	Introduction to Botany, CA3-LAB	4
EEB	2100E	Global Change Ecology CA3, E	3
EEB	2202	Evolution and Human Diversity, CA4-INT	3
EEB	2208E	Introduction to Conservation Biology, CA3, E	3
EVST	1000E	Introduction to Environmental Studies CA2	3
GEOG	1000	Introduction to Geography CA2	3
GEOG	1070	Natural Disasters and Environmental Change CA3	3
GEOG	1300E	Climate, Weather, and the Environment, CA3, E	3
GEOG	1302	GIS Modeling of Environmental Change CA3-LAB	4
GEOG	2300	Introduction to Physical Geography	3

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Recommended Science Courses

Department	Number	Course Name	Credits
GEOG	2310	National Parks Unearthed	3
GEOG	2320E	Climate Change: Current Geographic Issues, CA2, E	3
GEOG	2400E	Intro to Sustainable Cities, CA2, E	3
GEOG	3350	Global Change, Local Action: A Geography of Environmentalism	2
GEOG	3400	Climate and Weather	3
GSCI	1000E	The Human Epoch: Living in the Anthropocene, CA3, E	3
GSCI	1010	Dinosaurs, Extinctions, and Environmental Catastrophes CA3	3
GSCI	1050	Earth's Dynamic Environment (with Lab)	4
GSCI	1051	Earth's Dynamic Environment	3
GSCI	1052	Earth's Dynamic Environment (Laboratory)	1
GSCI	1070	Natural Disasters and Environmental Change CA3	3
GSCI	2310	National Parks Unearthed	3
MARN	1001	The Sea Around Us	3
MARN	1002	Introduction to Oceanography	3
MARN	1003	Introduction to Oceanography, CA3-LAB	4
NRE	1000E	Environmental Science CA 3, E	3
NRE	2345	Introduction to Fisheries and Wildlife	3
NRE	2600E	Global Sustainable Natural Resources, CA4-INT	3
NRE	3145	Meteorology	3
NRE	3146	Climatology	3
NUSC	1030	Interdisciplinary Approach to Obesity Prevention (Honors course)	3
NUSC	1165	Fundamentals of Nutrition	3
NUSC	1645	The Science of Food	3
PHAR	1000	Drugs: Actions and Impact on Health and Society, CA3	3
PHAR	1001E	Toxic Chemicals and Health, CA3	3
PHYS	1010Q	Elements of Physics, CA3-LAB	4
PHYS	1020Q	Introductory Astronomy, CA3	3
PHYS	1025Q	Introductory Astronomy, CA3-LAB	4
PHYS	1030Q	Physics of the Environment, CA3	3
PHYS	1035Q	Physics of the Environment, CA 3-LAB	4
PHYS	1040QE	Cosmic Origins of Life CA3, E	3
SCI	1150	Unifying Concepts in Biology, Chemistry, and Physics	4
SLHS	1150	Intro. to Communication Disorders	3
SPSS	1110	Fundamentals of Horticulture	3
SPSS	1125	Insects, Food and Culture	3
SPSS	1150	Agricultural Technology and Society, CA3	3

If you have any questions, please contact Dr. Ann Traynor, ann.traynor@uconn.edu or 860.486.1354.

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