

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

The following mathematics courses are approved to fulfill the **24-credit mathematics concentration**, as well as the **additional mathematics** course requirement for elementary or comprehensive special education teachers.

Approved Mathematics Courses for all Elementary & Special Education Students

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
STAT	2215Q	Intro to Statistics II	3

NOTE: Please check University of Connecticut [Undergraduate Catalog](#) for course description and required prerequisite courses for courses listed above.

* **MATH 2010Q** is required for elementary education students. Prerequisite is PSYC 1100 and one MATH Q course (a statistics course will not count as the prerequisite math course).

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

ELED & SPED Students with 24-credit MATH Concentration – you can take the any of the math in the table above OR the courses below.

Department	Number	Course Name	Credits
ACCT	2001	Principles of Financial Accounting	3
CSE	1010	Intro to Computing for Engineers	3
ENGR	1166	Foundations of Engineering	3
PHYS	1010Q	Elements of Physics	4
PHYS	1020Q	Introductory Astronomy	3
PHYS	1025Q	Introductory Astronomy with Lab	4
PHYS	1040QE	Cosmic Origins of Life	3
PHYS	1075Q	Physics of Music	4
PHYS	1201Q	General Physics I	4
PHYS	1202Q	General Physics II	4

The following courses are approved to fulfill the **24-credit science concentration**, as well as the **additional science** course requirement for elementary or comprehensive special education teachers.

Approved Science Courses

Department	Number	Course Name	Credits
ANSC	1645	The Science of Food	3
AH	1030	Interdisciplinary Approach to Obesity Prevention (Honors course)	3

Approved Science Courses			
Department	Number	Course Name	Credits
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
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.

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