

**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 prospective elementary or comprehensive special education teachers.

<u>Dept/number</u>	<u>Course Name</u>	<u>Credits</u>
MATH 1011Q/104Q	Introductory College Algebra and Mathematical Modeling	3
MATH 1020Q/102Q	Problem Solving	3
MATH 1030Q/103Q	Elementary Discrete Mathematics	3
MATH 1070Q/105Q	Mathematics for Business and Economics	3
MATH 1040Q/107Q	Elementary Mathematical Modeling	3
MATH 1050Q/108Q	Mathematical Modeling in the Environment	3
MATH 1060Q/109Q	Pre-Calculus	3
MATH 1125Q	Calculus 1a	3
MATH 1126Q	Calculus 1b	3
MATH 1131Q/115Q	Calculus 1	4
MATH 1132Q/116Q	Calculus 2	4
MATH 2010Q/247Q	Fundamentals of Algebra and Geometry	3
MATH 2011Q/248Q	Fundamentals of Algebra and Geometry	3
STAT 1000Q/100Q	Introduction to Statistics I	4
STAT 1100Q/110Q	Elementary Concepts of Statistics	4

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

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

<u>Dept/Number</u>	<u>Course Name</u>	<u>Credits</u>
BIOL 1110/110	Introduction to Botany	4
BIOL 1102/102	Foundations of Biology	4
BIOL 1103/103	The Biology of Human Health & Disease	4
GEOG 1300/105	Climate, Weather, and the Environment	3
GEOG 2300/205	Introduction to Physical Geography	3
GEOG 3400/215	Climate and Weather	3
GSCI/GEOL 1000/101	Introductory Environmental Geology	3
GSCI/GEOL 1051/103	Earth and Life Through Time	3
GSCI/GEOL 1050/105	Earth and Life Through Time with Lab	4
GSCI/GEOL 1010/111	Age of the Dinosaurs	3
MARN 1001/135	The Sea Around Us	3
MARN 1002/170	Introduction to Oceanography	3

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<u>Dept/Number</u>	<u>Course Name</u>	<u>Credits</u>
MATH 1050Q/108Q	Mathematical Modeling in the Environment	3
NRE 1000/100	Environmental Science	3
NRE 3145/241	Meteorology	3
NUSC 1645/160	The Science of Food	3
NUSC 1165/165	Fundamentals of Nutrition	3
PHYS 1010Q/101Q	Elements of Physics	4
PHYS 1030Q/103Q	Physics of the Environment	3
PHYS 1035Q/104Q	Physics of the Environment with Lab	4
PHYS 1050/105	Inquiry-Based Physics	4
PHYS 1020Q/154Q	Introductory Astronomy	3
PHYS 1025Q/155Q	Introductory Astronomy with Lab	4
SCI 1150/150	Unifying Concept in Biology, Chemistry, and Physics	4

If you have any questions about Mathematics or Science single subject courses, please contact Ann Traynor, [ann.traynor@uconn.edu](mailto:ann.traynor@uconn.edu) or 860.486.1354.