

## Approved STEM Co-requisite Lecture and Laboratory Courses

Table 1. Master List of Approved STEM Corequisite Lecture Courses by Major

Table 1. Master list of approved STEM corequisite lecture courses for Biochemistry, Biological Sciences, Ecology and Evolution (all tracks), Microbiology, and Molecular Biology							
Discipline	Courses	Biological Sciences	Biochemistry	Microbiology and Molecular Biology	Ecology and Evolution: General Track	Ecology and Evolution: Quantitative Specialization	Ecology and Evolution: Environmental Specialization
<b>Anthropology</b>	ANTH 1602 Human Skeletal Analysis (satisfies lecture and lab)	Yes	No	No	No	No	No
	ANTH 1801 Himalayan Biodiversity	Yes	No	No	No	No	No
<b>Chemistry</b>	CHEM 0250 Introduction to Analytical Chemistry	Yes	Yes	Yes	Yes	No	No
	CHEM 0320 Organic Chemistry 2	Yes	<b>Required</b>	Yes	Yes	No	No
<b>Computer Science</b>	CMPINF 0401 Intermediate Programming (satisfies lecture and lab)	Yes	Yes	Yes	Yes	Required Option	Yes
	CS 0011 Intro to Computing for Scientists (satisfies lecture and lab)	Yes	Yes	Yes	Yes	Required Option	Yes
<b>Geology</b>	GEOL 0800 Geology and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0802 Geology of the National Parks and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option

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<b>Geology</b>	GEOL 0820 Natural Disasters and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0840 Environmental Science and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0860 Environmental Geology and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 1030 The Atmosphere, Oceans, and Climate	Yes	No	No	Yes	No	Required Option
	GEOL 0890 Oceanography	Yes	No	No	Yes	No	Required Option
	GEOL 1050 Surface Water Hydrology	Yes	No	No	Yes	No	Required Option
	GEOL 1203 Paleontology (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 1445 GIS, GPS, and Computer Methods	Yes	No	No	Yes	No	Required
	GEOL 1460 Remote Sensing	Yes	No	No	Yes	No	Required Option
	GEOL 1930 Yellowstone Field Course (satisfies lecture and lab; field course)	Yes	No	No	Yes	No	Required Option

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<b>Geology</b>	GEOL 1052 Paleoclimatology	No	No	No	No	No	Required Option
	GEOL 1060 Geomorphology	No	No	No	No	No	Required Option
	GEOL 1203 Paleontology 1	No	No	No	No	No	Required Option
	GEOL 1309 Limnology	No	No	No	No	No	Required Option
	GEOL 1446 Advanced Geographical Info Sys (requires GEOL 1445)	No	No	No	No	No	Required Option
	GEOL 1510 Aquatic and Sedimentary Geochemistry	No	No	No	No	No	Required Option
	GEOL 1516 Environmental Geochemistry	No	No	No	No	No	Required Option
	GEOL 1641 Ecosystem Ecology (prereq GEOL 1030)	No	No	No	No	No	Required Option
	GEOL 1853 Watershed Hydrology and Biogeochemistry (prereq GEOL 1641)	No	No	No	No	No	Required Option
<b>Math and Statistics</b>	MATH 0230 Calculus 2	Yes	<b>Required</b>	Yes	Yes	Required Option	No
	MATH 0280 Introduction to Matrices and Linear Algebra	Yes	Yes	Yes	Yes	Required Option	No

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<b>Math and Statistics</b>	STAT 1201 Applied Nonparametric Statistics	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1211 Appl Cat Data Analysis	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1221 Appl Regression	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1231 Applied Experimental Design	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1241 Applied Sampling	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1261 Principles of Data Science	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1281 Data Science with Python	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1301 Stat Packages	Yes	Yes	Yes	Yes	Required Option	No
	STAT 1311 Applied Multivariate Analysis (restricted to E&E Quantitative, requires STAT 1221)	Yes	Yes	Yes	Yes	Required Option	No
<b>Physics</b>	PHYS 0110 Physics 1 (alg)	Yes	Yes	Yes	Yes	No	No
	PHYS 0174 Physics 1 (calc)	Yes	Yes	Yes	Yes	No	No

Table 2. Master List of Approved STEM Corequisite Lab Courses by Major

Table 2. Master list of approved STEM corequisite lab courses for Biochemistry, Biological Sciences, Ecology and Evolution (all tracks), Microbiology, and Molecular Biology							
Discipline	Course	Biological Sciences	Biochemistry	Microbiology and Molecular Biology	Ecology and Evolution: General Track	Ecology and Evolution: Quantitative Specialization	Ecology and Evolution: Environmental Specialization
<b>Anthropology</b>	ANTH 1602 Human Skeletal Analysis (satisfies lecture and lab)	Yes	No	No	No	No	No
<b>Chemistry</b>	CHEM 0260 Introduction to Analytical Chemistry Lab (must take lecture)	Yes	Yes	Yes	Yes	No	No
	CHEM 0330 Organic Chemistry 1 Laboratory (must take lecture)	Yes	No	Yes	Yes	No	No
	CHEM 0345 Organic Chemistry Laboratory (must take lecture)	Yes	Yes	Yes	Yes	No	No
<b>Computer Science</b>	CMPINF 0401 Intermediate Programming (satisfies lecture and lab)	Yes	Yes	Yes	Yes	Required Option	Yes
	CS 0011 Intro to Computing for Scientists (satisfies lecture and lab)	Yes	Yes	Yes	Yes	Required Option	Yes
<b>Geology</b>	GEOL 0800 Geology and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0802 Geology of the National Parks and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option

For majors declared Sept 2026 and after

<b>Geology</b>	GEOL 0820 Natural Disasters and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0840 Environmental Science and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 0860 Environmental Geology and GEOL 0055 Geology Lab (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 1203 Paleontology (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
	GEOL 1930 Yellowstone Field Course (satisfies lecture and lab)	Yes	No	No	Yes	No	Required Option
<b>Physics</b>	PHYS 212/219 Physics lab (alg or calc; must take lecture)	Yes	Yes	Yes	Yes	No	No