

### BS Computer Science: “Natural Science Course for Science Majors” Requirements

There are two requirements for the BS in Computer Science program that state, “Natural Science course for a Science Major”. One of these courses is a concomitant course and the other is a directed general education course (it is counted in general education). The following courses can be used to satisfy these requirements. If the course will count in general education, the category it is counted will be listed. Prerequisites for the courses are listed in parenthesis. At least one of these courses must include a lab component.

Course	Department	Gen Ed	Lab?	ch
ASTR140, Planetary Science ((MATH181 with a C or better) OR (pre/co-req PHYS40 or PHYS80 or PHYS100))	Physical Sciences		Y	3
ASTR142, Stellar & Galactic Astronomy (PHYS40 or PHYS100)	Physical Sciences		Y	3
ASTR205/GEOL205, Planetary Surface Processes (GEOL100 or PHYS40 or PHYS80 or PHYS100)	Physical Sciences		Y	3
BIOL104, Principles of Biology (science majors)	Biology	C 1	Y	4
BIOL106, Intro to Zoology (C or better in BIOL104)	Biology		Y	4
BIOL108, Intro to Botany (C or better in BIOL104)	Biology		Y	4
BIOL216, Genetics (C or better in BIOL104 and CS major)	Biology		Y	3
CHEM100, General Chemistry I (science majors)	Physical Sciences	C 1	Y	4
CHEM102, General Chemistry II (CHEM100)	Physical Sciences	C 2	Y	4
ENGR121, Engineering Drawing and Design (none)	Physical Sciences		N	3
ENGR130, Engineering Mechanics (PHYS40 or PHYS100)	Physical Sciences		N	3
GEOL100, Physical Geology (high school algebra, trig and chemistry)	Physical Sciences	C 2	Y	4
GEOG204, Meteorology (none)	Geography		Y	3
GEOG210, Environmental Conservation (none)	Geography		N	3
GEOG212, Geography of Natural Hazards (none)	Geography		N	3
GEOG223, Introduction to Transportation Geography (none)	Geography	B	N	3
GEOG274, Introduction to GIS (none)	Geography		Y	3
GEOG304, Weather Analysis (GEOG010 and GEOG204)	Geography		Y	3
GEOG322, Climatology (GEOG010 or GEOG204)	Geography		N	3
GEOG323, Global Warming and the Science of Climate Change (GEOG204 or GEOG322)	Geography		N	3
GEOG330, Cartography (none)	Geography		N	3
GEOG333, Advanced GIS (GEOG274)	Geography		N	3
GEOG347, Remote Sensing of the Environment (none)	Geography		Y	3
GEOL102, Historical Geology (GEOL20 or GEOL100)	Physical Sciences		Y	4
GEOL110/MRSC110, Intro to Oceanography (none)	Physical Sciences	C 1	Y	3
GEOL210/EVSC210, Environmental Geology (GEOL100)	Physical Sciences		Y	3
GEOL220, Mineralogy (GEOL100)	Physical Sciences		Y	4
PHYS40, General Physics I (MATH106 or MATH115 or MATH181)	Physical Sciences	C 1	Y	4
PHYS42, General Physics II (PHYS40)	Physical Sciences		Y	4
PHYS100, Physics I (MATH181, can be concurrent)	Physical Sciences	C 1	Y	4
PHYS102, Physics II (PHYS100 and MATH181)	Physical Sciences		Y	4

You should consider taking a two-course sequence (i.e. BIOL104 & BIOL106, BIOL104 & BIOL108, CHEM100 & CHEM102, GEOL100 & GEOL102, GEOL100 & GEOL110, GEOL100 & GEOL210, PHYS40 & PHYS42, or PHYS100 & PHYS102). For a Biology sequence, the Biology department recommends BIOL104 and BIOL216.