

Science Elective List for Computer Science

Background: Computer Science majors have a 10 hour Science Elective requirement. Two courses must be completed from the following list:¹

Course #	Hours	Course Title
BIOS 100	5	Biology of Cells and Organisms
BIOS 101	5	Biology of Populations and Communities
CHEM 122 + CHEM 123	4 + 1	General Chemistry I General Chemistry Laboratory I
CHEM 124 + CHEM 125	4 + 1	General Chemistry II General Chemistry Laboratory II
CHEM 116	5	Honors and Majors General and Analytical Chemistry I
CHEM 118	5	Honors and Majors General and Analytical Chemistry II
PHYS 141	4	General Physics I (Mechanics)
PHYS 142	4	General Physics II (Electricity and Magnetism)
EAES 101	4	Global Environmental Change
EAES 111	4	Earth, Energy, and the Environment

¹ Students in Human Centered Computing Concentration must take PHYS 141 & PHYS 142

Keep in Mind:

- You must meet pre-requisites for all courses. Some require passing a placement exam (ex: CHEM 122 & PHYS 141) and some require concurrent registration in additional courses (ex: PHYS 141 needs MATH 180).
- You can take any combination of the classes above, mix and match.

If total hours of the two classes completed < 10 hours

Requirement may be fulfilled by:

1. Taking an additional course from the list above (any extra hours will be added to free electives).
2. Taking an additional course which has one of the above courses as a prerequisite (ex. EAES 200, EAES 230).
3. Taking one or more of the courses from Supplemental Science Electives listed on the back of this page.

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Supplemental Science Electives List: ²

Course #	Hours	Course Title
ANTH 102	4	Introduction to Archaeology
ANTH 105	4	Human Evolution
ANTH 218	3	Anthropology of Children and Childhood
ANTH 238	3	Biology of Women
ECE 115	4	Introduction to Electrical and Computer Engineering
HON 130	3	Honors Core in Analyzing the Natural World and Understanding the Individual and Society
HON 131	3	Honors Core in Analyzing the Natural World and Understanding the Past
HON 132	3	Honors Core in Analyzing the Natural World and Understanding the Creative Arts
HON 133	3	Honors Core in Analyzing the Natural World and Exploring World Cultures
HON 134	3	Honors Core in Analyzing the Natural World and Understanding U.S. Society
HON 145	3	Honors Core in Analyzing the Natural World
PHIL 105	3	Science and Philosophy
PHYS 112	4	Astronomy and the Universe
PHYS 116	3	Energy for Future Decision-Makers
PHYS 144*	1	Problem-Solving Workshop for General Physics I (Mechanics) 1 * Requires concurrent enrollment in PHYS 141
PHYS 145**	1	Problem-Solving Workshop for General Physics II (Electricity and Magnetism) ** Requires concurrent enrollment in PHYS 142

² Honors courses from this list can be used to satisfy either Science OR Gen. Ed. Elective requirement, not both.