

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 110	4	Biology of Cells and Organisms
BIOS 120	4	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 (ex. PHYS 144 with PHYS 141* or PHYS 145 with PHYS 142*)

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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
ENGR 111	1	Engineering Practicum in Additive Manufacturing
ENGR 112	1	Engineering Practicum in Subtractive Manufacturing
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.