

Natural Science Electives – Computer Engineering 2025–2026

Computer Engineering students are required to complete two (2) Natural Science Electives as part of their program. These courses may be taken anytime during the student's program.

Approved Natural Science Electives

FALL TERM 2025

Course	Prerequisites	Cr. Hrs.
ASTR 1810 Introduction to Astronomy: The Magnificent Universe		3
ASTR 3180 Stars	Permission of the Physics Department	3
BIOL 1020 Biology 1: Principles and Themes		3
BIOL 1410 Anatomy of the Human Body		3
CHEM 1110 Introduction to Chemistry 2: Interaction, Reactivity and Chemical Properties	CHEM 1100 or CHEM 1300	3
ENTM 2050 Introduction to Entomology		3
GEOL 1340 The Dynamic Earth		3
MBIO 1220 Essentials of Microbiology		3
PHYS 2260 Optics	PHYS 1050, MATH 1510, MATH 1210, MATH 1710	3
PHYS 2600 Electromagnetic Field Theory	PHYS 2152, MATH 1710	3

WINTER TERM 2026

Course	Prerequisites	Cr. Hrs.
CHEM 1110 Introduction to Chemistry 2: Interaction, Reactivity and Chemical Properties	CHEM 1100 or CHEM 1300	3
CHEM 1130 Introduction to Organic Chemistry	CHEM 1100 or CHEM 1300	3
GEOL 1340 The Dynamic Earth		3
MBIO 1220 Essentials of Microbiology		3
PHYS 2386 Introduction to Quantum Mechanics and Special Relativity	PHYS 2152, MATH 1710	3
PHYS 2650 Classical Mechanics 1	PHYS 2152, MATH 3132	3
PHYS 3220 Medical Physics and Physiological Measurements	ECE 3580	3
PHYS 3630 Electro- and Magetostatic Theory	PHYS 2600, MATH 3132	3

Elective Courses Not Offered in 2025–2026

Course	Prerequisites	Cr. Hrs.
BIOL 1300 Economic Plants		3

Note: Term information is preliminary and is subject to change prior to the time of registration. Students should consult Aurora for the most up-to-date schedule information.