Natural Science Electives – Computer Engineering 2023–2024

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 2023

Course		Prerequisites	Cr. Hrs.
ASTR 3180	Stars	Permission of the Physics Department	3
BIOL 1020	Biology 1: Principles and Themes		3
BIOL 1300	Economic Plants		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 2024

Course		Prerequisites	Cr. Hrs.
ASTR 1810	Introduction to Astronomy: The Magnificent Universe		3
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
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

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.