

## Natural Science Electives – Computer Engineering 2021–2022

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 2021

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 2022

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 Magnetostatic 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.*