

# Fall 2024 – Winter 2025 Basic Science Elective Options

**BIOMEDICAL STUDENTS** should **not** refer to this list and should refer to the “[Science Electives for Biomedical Engineering Programs](#)” or contact their [Departmental Advisor](#) for appropriate science electives.

Registering in an online/VOD section of any of these courses is **permitted**.

Enrollment in these courses is subject to departmental approval, as there may be additional requirements that B.Eng. students do not meet. Click the course title for prerequisite information and a course description or visit: <https://calendar.carleton.ca/undergrad/courses/>.

**Note:** If you are unable to register, you may contact the department offering the course through Carleton Central’s [Registration Override Request](#) form to request access.

Course #	Course Name	Fall (0.5 credit)	Winter (0.5 credit)
BIOL 1010	<a href="#">Biotechnology and Society</a>	✓	
BIOL 1103	<a href="#">Foundations of Biology I</a>	✓	
BIOL 1104	<a href="#">Foundations of Biology II</a>		✓
BIOL 1902	<a href="#">Natural History</a>	✓	✓
BIOL 2005	<a href="#">Human Biology</a>	✓	
BIOL 2107	<a href="#">Fundamentals of Genetics</a>		✓
BIOL 2201	<a href="#">Cell Biology and Biochemistry</a>	✓	
BIOL 2303	<a href="#">Microbiology</a>		✓
BIOL 2903	<a href="#">Natural History and Ecology of Ontario</a>		✓
CHEM 2207	<a href="#">Introduction to Organic Chemistry I</a>	✓	
CHEM 2208	<a href="#">Introduction to Organic Chemistry II</a>		✓
CHEM 2302	<a href="#">Analytical Chemistry I</a>	✓	
CHEM 2501	<a href="#">Introduction to Inorganic and Bioinorganic Chemistry</a>		✓
CHEM 2800	<a href="#">Foundations for Environmental Chemistry</a>		✓
ERTH 1010	<a href="#">Our Dynamic Planet Earth</a>	✓	
ERTH 1011	<a href="#">Evolution of the Earth</a>		✓
ERTH 2401	<a href="#">Dinosaurs</a>	✓	
ERTH 2402	<a href="#">Climate Change: An Earth Sciences Perspective</a>	✓	
ERTH 2415	<a href="#">Natural Disasters</a>		✓

ERTH 2419	<a href="#">On the Origin of Planets</a>	✓	✓
GEOG 1010	<a href="#">Global Environmental Systems</a>	✓	✓
GEOG 2020	<a href="#">Ecosystems of Canada</a>		✓
NEUR 1202	<a href="#">Neuroscience of Mental Health and Psychiatric Disease</a>	✓	
NEUR 2201	<a href="#">Cellular and Molecular Neuroscience</a>	✓	
PHYS 1001	<a href="#">Foundations of Physics I</a>	✓	
PHYS 1003	<a href="#">Introductory Mechanics and Thermodynamics</a>	✓	
PHYS 2004	<a href="#">Modern Physics for Engineers</a>	✓	
PHYS 2202	<a href="#">Wave Motion and Optics</a>		✓
PHYS 2305	<a href="#">Electricity and Magnetism</a>		✓
PHYS 2401	<a href="#">Thermal Physics</a>	✓	