

Fall 2026 – Winter 2027 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	Biotechnology and Society	✓	
BIOL 1103	Foundations of Biology I	✓	
BIOL 1104	Foundations of Biology II		✓
BIOL 1902	Natural History	✓	✓
BIOL 2005	Human Biology	✓	
BIOL 2107	Fundamentals of Genetics		✓
BIOL 2201	Cell Biology and Biochemistry		✓
BIOL 2303	Microbiology		✓
CHEM 2207	Introduction to Organic Chemistry I	✓	
CHEM 2208	Introduction to Organic Chemistry II		✓
CHEM 2302	Analytical Chemistry I	✓	
CHEM 2501	Introduction to Inorganic and Bioinorganic Chemistry		✓
CHEM 2800	Foundations for Environmental Chemistry		✓
ENSC 2001	Earth Resources and Natural Hazards: Environmental Impacts		✓
ERTH 2415	Natural Disasters		✓
ERTH 2419	On the Origin of Planets	✓	
GEOG 1010	Global Environmental Systems	✓	✓
GEOG 2013	Weather and Water		✓
GEOG 2014	The Earth's Surface	✓	

GEOG 2020	Ecosystems of Canada		✓
NEUR 1202	Neuroscience of Mental Health and Psychiatric Conditions	✓	
NEUR 2201	Cellular and Molecular Neuroscience	✓	
PHYS 1001	Foundations of Physics I	✓	
PHYS 1003	Introductory Mechanics and Thermodynamics	✓	
PHYS 2004	Modern Physics for Engineers		✓
PHYS 2305	Electricity and Magnetism		✓