

Fall 2026 – Winter 2027 Basic Science Elective Options

IMPORTANT: this list does not apply for students in *Biomedical-Electrical*, *Biomedical-Mechanical* and *Computer Systems Engineering* programs:

Biomedical-Electrical students, reference list posted [HERE](#).

Biomedical-Mechanical students, reference list of science elective course options reflected in your academic audit.

Computer Systems Engineering students, reference list posted [HERE](#).

Note: Basic science elective options vary term to term and are subject to change.

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 1002	The Earth and Life Odyssey: A Journey Through Billions of Years	✓	

ERTH 2415	Natural Disasters		✓
ERTH 2419	On the Origin of Planets	✓	
ERTH 2421	A Geologic Tour of the National Parks of North America		✓
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		✓