

Course Categories for B.Sc. Programs

Science Geography Courses

GEOG 1010 [0.5]	Global Environmental Systems
GEOG 2006 [0.5]	Statistical Methods in Geography
GEOG 2013 [0.5]	Weather and Water
GEOG 2014 [0.5]	The Earth's Surface
GEOG 3003 [0.5]	Quantitative Geography
GEOG 3010 [0.5]	Field Methods in Physical Geography
GEOG 3102 [0.5]	Geomorphology
GEOG 3103 [0.5]	Watershed Hydrology
GEOG 3104 [0.5]	Principles of Biogeography
GEOG 3105 [0.5]	Climate and Atmospheric Change
GEOG 3108 [0.5]	Soil Properties
GEOG 4000 [0.5]	Field Studies
GEOG 4005 [0.5]	Directed Studies in Geography
GEOG 4013 [0.5]	Cold Region Hydrology
GEOG 4017 [0.5]	Global Biogeochemical Cycles
GEOG 4101 [0.5]	Quaternary Geography
GEOG 4103 [0.5]	Water Resources Engineering
GEOG 4104 [0.5]	Microclimatology
GEOG 4108 [0.5]	Permafrost

Science Psychology Courses

PSYC 2001 [0.5]	Introduction to Research Methods in Psychology
PSYC 2002 [0.5]	Introduction to Statistics in Psychology
PSYC 2200 [0.5]	Biological Foundations of Behaviour
PSYC 2700 [0.5]	Introduction to Cognitive Psychology
PSYC 3000 [1.0]	Design and Analysis in Psychological Research
PSYC 3207 [0.5]	Human Neuropsychology
PSYC 3506 [0.5]	Cognitive Development
PSYC 3700 [1.0]	Cognition (Honours Seminar)
PSYC 3702 [0.5]	Perception

Science Continuation Courses

A course at the 2000-level or above may be used as a Science Continuation credit in a B.Sc. program if it is not in the students' major discipline and is chosen from the following:

- Biology (BIOL) except BIOL 2106
- Biochemistry (BIOC)
- Chemistry (CHEM) except CHEM 1003 and CHEM 1004
- Computer Science (COMP) except COMP 1001. (A maximum of two half-credits at the 1000-level in Computer Science, excluding COMP 1001, may be used as Science Continuation credits.)

- Earth Sciences (ERTH), except ERTH 2415, which may be used only as a free elective for any B.Sc. program. Students in Earth Sciences programs may use ERTH 2401, ERTH 2402 and ERTH 2403 only as free electives.
- Engineering (students wishing to register in Engineering courses must obtain the permission of the Faculty of Engineering and Design.)
- Environmental Science (ENSC)
- Food Science and Nutrition (FOOD)
- Geomatics (GEOM)
- Mathematics (MATH) or Statistics (STAT)
- Neuroscience (NEUR)
- Physics (PHYS) except PHYS 2903.
- Science Geography courses (see list above)
- Science Psychology courses (see list above)
- Technology, Society, Environment Studies (TSES) courses except TSES 2305. (Biology General, Major and Honours students may use these courses only as free electives. Integrated Science and Environmental Science students may include these courses in their programs but may not count them as part of the Science Sequence.)

Science Faculty Electives

Science Faculty Electives are courses at the 1000 - 4000 levels chosen from the following:

- Biochemistry (BIOC)
- Biology (BIOL) except BIOL 2106
- Chemistry (CHEM) except CHEM 1003 and CHEM 1004
- Chemistry students may use BIOL 1902 only as a free elective
- Computer Science (COMP) except COMP 1001, COMP 1805
- Earth Sciences (ERTH) except ERTH 1010, ERTH 1011 and ERTH 2415.
- Earth Science students may use ERTH 2401, ERTH 2402 and ERTH 2403 only as free electives.
- Engineering
- Environmental Science ENSC 2001
- Food Science and Nutrition (FOOD)
- Geomatics (GEOM)
- Mathematics (MATH) or Statistics (STAT) except MATH 1805
- Neuroscience (NEUR)
- Physics (PHYS) except PHYS 1901, PHYS 1902, PHYS 1905, and PHYS 2903.
- Science Geography (GEOG) (see list above)
- Science Psychology (PSYC) (see list above)
- Technology, Society, Environment (TSES) (Biology General, Major and Honours students may use these courses only as a free elective)

Advanced Science Faculty Electives

Advanced Science Faculty Electives are courses at the 2000 - 4000 levels chosen from the Science Faculty Electives list above.

Approved Arts or Social Sciences Electives

All courses offered by the Faculty of Arts and Social Sciences and the Faculty of Public Affairs are approved as Arts or Social Sciences courses except for the following:

Business

BUSI 1001 [0.5]	Principles of Financial Accounting
BUSI 1002 [0.5]	Management Accounting
BUSI 1004 [0.5]	Financial Accounting for Business Students
BUSI 1005 [0.5]	Managerial Accounting for Business Students
BUSI 1402 [0.5]	Introduction to Business Information and Communication Technologies
BUSI 2001 [0.5]	Intermediate Accounting I
BUSI 2002 [0.5]	Intermediate Accounting II
BUSI 3001 [0.5]	Accounting for Business Combinations
BUSI 3008 [0.5]	Intermediate Management Accounting and Control
BUSI 4000 [0.5]	Accounting Theory
BUSI 4002 [0.5]	Advanced Accounting Problems

Economics

ECON 2201 [0.5]	Statistical Methods in Economics and Business I
ECON 2202 [0.5]	Statistical Methods in Economics and Business II
ECON 2400 [0.5]	Mathematical Methods of Economics
ECON 4004 [0.5]	Operations Research I
ECON 4005 [0.5]	Operations Research II
ECON 4706 [0.5]	Econometrics I
ECON 4707 [0.5]	Econometrics II

Geography

All Science Geography courses (see list above)

Geomatics

All Geomatics courses (GEOM)

Psychology

All Science Psychology courses (see list above)

Free Electives

Any course is allowable as a Free Elective providing it is not prohibited (see below) or enrolment restricted (consult this Calendar and/or the registration instructions at carleton.ca/registration). Students are expected to comply with prerequisite requirements for all courses as published in this Calendar.

Courses Allowable Only as Free Electives in Any B.Sc. Program

BIOL 2106 [0.5]	Human Genetics and Evolution
CHEM 1003 [0.5]	The Chemistry of Food, Health and Drugs
CHEM 1004 [0.5]	Drugs and the Human Body
ERTH 1010 [0.5]	Our Dynamic Planet Earth
ERTH 1011 [0.5]	Evolution of the Earth

ERTH 2415 [0.5]	Natural Disasters
MATH 1805 [0.5]	Discrete Structures I
COMP 1805 [0.5]	Discrete Structures I
PHYS 1901 [0.5]	Planetary Astronomy
PHYS 1902 [0.5]	From our Star to the Cosmos
PHYS 1905 [0.5]	How Things Work: Physics in Everyday Life
PHYS 2903 [0.5]	Physics and the Imagination
ISCI 2002 [0.5]	Human Impacts on the Environment

Note: MATH 0107 Algebra and Geometry may be counted as a free elective, providing:

1. it has not been completed previously and
2. the course is required as a prerequisite for the current program of study.

Prohibited Courses

The following courses are not acceptable for credit in any B.Sc. program:

ISCI 1001 [0.5]	Introduction to the Environment
ISCI 2000 [0.5]	Natural Laws
COMP 1001 [0.5]	Introduction to Computers for the Arts and Social Sciences
MATH 0005 [0.5]	Precalculus: Functions and Graphs
MATH 0006 [0.5]	Precalculus: Trigonometric Functions and Complex Numbers