

ESP to Degree

ESP Business Stream

Students in the ESP Business Stream enroll in a first-year Math course (MATH 1009), first-year Economics (ECON 1001/ECON 1002), Introduction to Business (BUSI 1800) and a First-Year Seminar (FYSM 1900) course.

To earn admission to a Bachelor of Commerce or Bachelor of International Business, students must:

- Complete the ESP Business stream with an overall minimum average of B- (7.0), **and**
- Earn a minimum of C+ in 3 of the following 4 courses: ECON 1001, ECON 1002, MATH 1009 and BUSI 1800, with no grade lower than C-.

Please note that students with previous university experience (including returning ESP students) will have different admissions requirements than what is indicated here. These students should [consult](#) with an ESP Academic Advisor for details.

ESP Computer Science Stream

Students in the ESP Computer Science Stream enroll in first-year Math courses (MATH 1007/1104), first-year Computer Science courses (COMP1005/1006) and a First-Year Seminar (FYSM 1900) course.

To earn admission to a Computer Science degree, students must:

- Complete the ESP Computer Science stream with an overall minimum average of B- (7.0), and
- Earn a minimum grade of C- in each of: MATH 1007, MATH 1104 and COMP 1006.

ESP Engineering Stream

Students in the ESP Engineering stream enroll in first-year Math (MATH 1004/1104) and first-year Chemistry (CHEM 1001/1002) as well as a First-Year Seminar course. Students must successfully complete the ESP Engineering Stream with:

- An **overall** minimum average of B- (7.0)* or higher, *and*
- A minimum **core** average of B- (7.0) in core subjects: CHEM 1001/1002, MATH 1004/1104 and Grade 12 Advanced Physics (prerequisite subject: minimum of 60%), with no grade lower than D+.

* Minimum overall and core GPA requirements (by major) are normally:

- Aerospace Engineering (A-)
- Architectural Conservation and Sustainability Engineering (B-)
- Biomedical and Electrical Engineering (B-)
- Biomedical and Mechanical Engineering (A-)
- Civil Engineering (B-)
- Communications Engineering (B-)
- Computer Systems Engineering (B-)
- Electrical Engineering (B-)
- Engineering Physics (A-)
- Environmental Engineering (B-)
- Mechanical Engineering (A-)
- Software Engineering (B+)
- Sustainable & Renewable Energy Engineering (A-)

ESP Science Stream

Students in the ESP Science Stream enroll in a First-Year Seminar (FYSM 1900) course, first-year Math courses (MATH 1007/1107), first-year Chemistry (CHEM 1001) in the fall and choose between CHEM 1002 or NEUR 1203 in the winter.

To earn admission to a **Bachelor of Science** (15 credit) programs, students must successfully complete the ESP Science Stream with:

- An overall minimum average of C+ (6.0)

To earn admission to a **Bachelor of Science Honours** (20 credit) programs, students must successfully complete the ESP Science Stream with:

- An overall average of B- (7.0) and to present an additional high school grade 12 advanced class (with a minimum grade of 60%) in one of 4U Biology, 4U Earth and Space Science or 4U Physics, **and**
- A prerequisite core average of B- (7.0) calculated using: MATH 1007 and one of CHEM 1001 or CHEM 1002, as well as the additional high school prerequisite. A minimum grade of a D+ is required in all prerequisite core courses.

Bachelor of Science majors include:

- Biochemistry
- Bioinformatics
- Biology (BSc)
- Biotechnology
- Chemistry
- Computational Biochemistry
- Earth Sciences
- Environmental Science
- Food Science and Nutrition
- Geography (BSc)
- Geomatics (BSc)
- Interdisciplinary Sci. & Practice
- Linguistics (BSc)
- Nanoscience
- Neuroscience
- Physics
- Psychology (BSc)

To earn admission to a **Bachelor of Health Sciences** program, students must successfully complete the ESP Science Stream with:

- An overall average of B+ (9.0) and to present an additional high school grade 12 advanced class (with a minimum grade of 60%) in one of 4U Biology, 4U Earth and Space Science or 4U Physics, **and**
- A prerequisite core average of B (8.0) calculated using: MATH 1007, one of CHEM 1001 or CHEM 1002, and the additional high school prerequisite. A minimum grade of a D+ is required in all prerequisite core courses.

Other Programs

Bachelor of Mathematics

Students interested in a B.Math should enroll in a First-Year Seminar (FYSM 1900) course, first-year Math courses (MATH 1007/1107), and additional credit to be chosen in consultation with an ESP advisor.

- To earn admission to a **Bachelor of Mathematics Honours** (20 credit) programs, students must successfully complete ESP with an overall GPA of 7.0 or B- (70-72%) and earn a minimum grade of C- in each of MATH 1007 and MATH 1107.
- To earn admission to a **Bachelor of Mathematics** (15 credit) programs, students must successfully complete ESP with an overall minimum GPA of 6.0 or C+ (67-69%) for admission to a Math degree (15 credit program) and earn a minimum grade of C- in each of MATH 1007 and MATH 1107

Other Degrees

Please consult with Admissions Services 613-520-3609 or admissions@carleton.ca or reach out to an ESP Advisor esp.advising@carleton.ca for advice on qualifying for other degrees through ESP.

How does Carleton calculate your ESP average?

Carleton uses the following 12-point grade system to calculate cumulative grade point averages (CGPA).

Letter grade	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
% grade	90-100	85-89	80-84	77-79	73-76	70-72	67-69	63-66	60-62	57-59	53-56	50-52	0-49
Grade point	12	11	10	9	8	7	6	5	4	3	2	1	0