Note Carleton uses a 12.0 GPA scale as follows:

- A+=12.0 (or 90-100%), A=11.0 (or 85-89%), A-=10.0 (or 80-84%), B+=9.0 (or 77-79%), B=8.0 (or 73-76%), B-= 7.0 (or 70-72%),
- C+=6.0 (or 67-69%), C=5.0 (or 63-66%), C-=4.0 (or 60-62%), D+=3.0 (or 57-59%), D=2.0 (or 53-56%), D-=1.0 (or 50-52%).

**ESP/IESP to Degree**

**ESP/IESP Business Stream**

**Bachelor of Commerce/Bachelor of International Business**

Students in our Business Stream enroll in first-year Math courses (MATH 1009/MATH 1119), first-year Economics (ECON 1000) and a First-Year Seminar course in the fall/winter terms, plus 1.0 credit in May/June.

To earn admission to a Business degree, students must:
- Complete 4.0 credits (normally 3.0 in fall/winter and 1.0 in early summer),
- An overall minimum average of B (8.0) with no failed courses,
- A minimum average of C+/B- (6.5) across courses included in the major: Math & Economics.

Note: only courses completed with a grade of C- or higher in ESP/IESP may be transferred to a business program.

**ESP/IESP Computer Science Stream**

**Bachelor of Computer Science**

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

To earn admission to a Computer Science degree, students must:
- Complete 3.0 credits in ESP/IESP with an overall minimum average of B- (7.0), and
- A minimum grade of C- in each of: MATH 1007, MATH 1104 and COMP 1006.

**ESP/IESP Science Stream**

**Bachelor of Science Programs**

Students in the Science Stream enroll in first-year Math courses (MATH 1007/1107), first-year Chemistry (CHEM 1001/1002) and a First-Year Seminar course.

To earn admission to a B.Sc. General (3 years), students must:
- Complete 3.0 credits with an overall minimum average of C+ (6.0), and
- A core average of C+ (6.0) across science and math courses (CHEM 1001/1002, MATH 1007/1107).

To earn admission to a B.Sc. Honours (4 years), students must:
- Complete 3.0 credits with an overall ESP/IESP average of B- (7.0) and to complete one of: 4U Biology, Earth and Space Science or Physics with a minimum of 60%, and
- Present an average of B- (7.0) across their core science and math courses (CHEM 1001/1002, MATH 1007/1107, and the additional 4U science credit).

Please note that some science majors may have higher GPA requirements. Consult with Admission Services (admissions@carleton.ca) for details.

Bachelor of Science majors include:
- Applied Physics
- Biochemistry
- Bioinformatics
- Biology (BSc)
- Biotechnology
- Chemistry
- Computational Biochemistry
- Earth Sciences
- Environmental Science
- Food Science and Nutrition
- Geography (BSc)
- Geomatics (BSc)
- Nanoscience
- Neuroscience
- Neuroscience and Mental Health
- Physics
- Psychology (BSc)

**Bachelor of Health Sciences**

Students will enroll in first-year Math courses (MATH 1007/1107), first-year Chemistry (CHEM 1001/1002) and a First-Year Seminar course. For admission to Health Sciences, students must earn:
- An overall ESP/IESP average of A- (10.0) and will also require one of: 4U Biology, Earth and Space Science or Physics with a minimum of 60%, and
- A core average of B (8.0) calculated across first-year Chemistry and Math courses, plus the additional 4U science credit.

Please note that students with college or university experience prior to ESP/IESP will have different requirements. Second year ESP/IESP will also have different requirements. These students should consult with an ESP/IESP Student Advisor for details.
**ESP/IESP Engineering Stream**

**Bachelor of Engineering Programs**
Students in the Engineering stream enroll in first-year Math (MATH 1004/1104) and first-year Chemistry (CHEM 1001/1002) as well as a FYSM credit course. Students must successfully complete the ESP/IESP Engineering Stream with:

- An overall minimum average of B- (7.0)*, and
- A minimum core average of B- (7.0) in core subjects: CHEM 1001/1002, MATH 1004/1104 and Grade 12 Physics (prerequisite subject: minimum of 60%).

Please note that only courses completed with a grade of C- or higher in your ESP/IESP year may be transferred to an engineering program.

*Many majors in Engineering require a higher average than B-. Minimum overall and core GPA requirements, by major:
- Aerospace Engineering (A-)
- Architectural and Structural Engineering (B)
- Biomedical and Electrical Engineering (B-)
- Biomedical and Mechanical Engineering (A-)
- Civil Engineering (B+)
- Computer Engineering (B-)
- Communications Engineering (B-)
- Computer Systems Engineering (B-)
- Electrical Engineering (B-)
- Engineering Physics (A-)
- Environmental Engineering (B-)
- Mechanical Engineering (A-)
- Software Engineering (BEng) (B-)
- Sustainable & Renewable Energy Engineering (A-)

**Other Programs**

Note: ESP/IESP cannot offer students the core required credits for the following programs (as they are restricted to students admitted to those degrees). The programs below also have very little space for electives; this means that while ESP/IESP may help to offer a basis for being admitted to these degrees, it is possible that not all courses would transfer to the degree on admission. Below, we have recommended certain courses to include in your ESP/IESP studies, in order to maximize transfer credit (where possible).

**Bachelor of Information Technology**

Students interested in transfer to BIT programs should include first year math (MATH 1007/1107) in their ESP/IESP course selections. Students must successfully complete the ESP/IESP year with an overall minimum average of C+ (6.0)* across 3.0 credits, and:

- Interactive Multimedia and Design: Must submit a portfolio and be selected by the committee.

*Please note that the admissions cut-off may vary from year to year.

**Bachelor of Architecture**

Students interested in qualifying for B. Arch. programs may select courses from any of our streams. Only 1.0-1.5 credits may be transferred to an Architecture degree from the ESP/IESP year. To be considered for admission*, students must successfully complete one of the ESP/IESP Streams with:

- An overall minimum average of B+ (9.0)*, but preferably higher. This overall GPA includes ESP/IESP courses and the prerequisites listed below;
- A minimum prerequisite average of 70% in Grade 12 Physics & Advanced Functions; and
- Students must submit a portfolio and be selected by the committee.

*Note: Architecture is a limited enrollment program that selects students by committee based on grades and portfolio. Admission is not guaranteed.

**Bachelor of Industrial Design**

Students interested in transfer to the BID should consider including ECON 1000, PSYC 1001/1002 or MATH 1107 in their course choices. These will be combined with a FYSM course chosen from the list of supported ESP/IESP courses (Arts or Science). Students must successfully complete the ESP/IESP year with:

- An overall minimum average of B+ (9.0)*, but preferably higher. This overall GPA includes ESP/IESP courses and the prerequisites listed below;
- A minimum prerequisite average of 70% in Grade 12 Physics & Advanced Functions; and
- Students must submit a portfolio and be selected by the committee.

*Note: Industrial Design is a limited enrollment program that selects students by committee, based on grades and portfolio. Admission is not guaranteed.

Questions? Please consult an ESP/IESP Student Advisor at esp.advising@carleton.ca or 613-520-2804; or Admissions Services at 613-520-3609.

Note Carleton uses a 12.0 GPA scale as follows:

- A+ = 12.0 (or 90-100%), A = 11.0 (or 85-89%), A- = 10.0 (or 80-84%), B+ = 9.0 (or 77-79%), B = 8.0 (or 73-76%), B- = 7.0 (or 70-72%), C+ = 6.0 (or 67-69%), C = 5.0 (or 63-66%), C- = 4.0 (or 60-62%), D+ = 3.0 (or 57-59%), D = 2.0 (or 53-56%), D- = 1.0 (or 50-52%).