

# ESP to Degree



## ESP Business Stream

### Bachelor of Commerce/Bachelor of International Business

Students in the 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 course.

To earn admission to a Business major, students must:

- Complete 3.0 credits in ESP with an overall minimum average of B (8.0), and
- A minimum average of C+/B- (6.5) across courses included in the major: MATH, ECON, BUSI.

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

## ESP 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 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 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. (15 credit) programs, students must successfully complete the ESP Science Stream with:

- An overall minimum average of C+ (6.0), and
- A core average of C+ (6.0) across MATH 1007, MATH 1107 and one of CHEM 1001 or CHEM 1002.

To earn admission to a B.Sc. Honours (20 credit) programs, students must successfully complete the ESP Science Stream with:

- An overall average of B- (7.0) and to complete one of: 4U Biology, Earth and Space Science or Physics with a minimum of 60%, *and*
- A core average of B- (7.0) across MATH 1007 and one of CHEM 1001 or CHEM 1002, plus the additional 4U science credit. A minimum grade of a D+ is required in all prerequisite Carleton courses.

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

Bachelor of Science majors include:

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

### 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 average of B+ (9.0) and to complete one of: 4U Biology, Earth and Space Science or Physics with a minimum of 60%, *and*
- A core average of B (8.0) across MATH 1007 and one of CHEM 1001 or CHEM 1002, plus the additional 4U science credit. A minimum grade of a D+ is required in all prerequisite Carleton courses.

*Please note that students with college or university experience prior to ESP will have different requirements.*

*Second year ESP will also have different requirements. These students should consult with an ESP Academic Advisor for details.*

# ESP 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 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 Physics (prerequisite subject: minimum of 60%).

\*Many majors in Engineering require more than B-. Minimum overall and core GPA requirements (by major) are normally:

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

## Other Programs

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

## Bachelor of Mathematics

Students interested in qualifying for a B. Math should include first year math (MATH 1007/1107) in their ESP course selection.

To earn admission to a B. Math (15 credit) program, students must successfully complete ESP with:

- An overall minimum average of C+ (6.0). Carleton Math courses require a minimum grade of a C-.

To earn admission to a B. Math Honours (20 credit) program, students must successfully complete ESP with:

- An overall minimum average of B- (7.0). Carleton Math courses require a minimum grade of a C-.

## Bachelor of Information Technology

Students interested in transfer to BIT programs should include first year math (MATH 1007/1107) in their ESP course selections.

Students must successfully complete the ESP 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 year. To be considered for admission\*, students must successfully complete one of the ESP streams with:

- An **overall** minimum average of B+ (9.0)\*, but preferably higher. This overall GPA includes ESP courses and the prerequisites listed below;
- A minimum **prerequisite** average of 70% in Grade 12 Physics & Grade 12 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 1001/1002, PSYC 1001/1002 or MATH 1107 in their course choices. Students must successfully complete ESP with:

An **overall** minimum average of B+ (9.0) \*, but preferably higher. This overall GPA includes ESP 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 Academic Advisor at [esp.advising@carleton.ca](mailto:esp.advising@carleton.ca); or Admissions Services at [admissions@carleton.ca](mailto:admissions@carleton.ca).