

# FOUNDATION YEAR PROGRAM (B.A. & SC.) (30 CREDITS)

**Offered by:** Arts & Science Admin (Shared)

**Degree:** Bachelor of Arts and Science

**Program credit weight:** 30

## Program Description

Students who need to complete 97-120 credits to fulfil their degree requirements are admitted to the Freshman/Foundation Year. Students with specific career goals should consult an academic adviser about their choice of program within the B.A. & Sc. However, students intending to pursue further studies following the B.A. & Sc. should refer to the admissions requirements of particular programs for the appropriate prerequisite courses.

### Degree Requirements — B.A. & Sc. students

***This program is offered as part of a Bachelor of Arts & Science (B.A. & Sc.) degree.***

To graduate, students must satisfy both their program requirements and their degree requirements.

- The program requirements (i.e., the specific courses that make up this program) are listed under the Course Tab (above).
- The degree requirements—including the mandatory Foundation program, appropriate degree structure, and any additional components—are outlined on the Degree Requirements page.

Students are responsible for ensuring that this program fits within the overall structure of their degree and that all degree requirements are met. Consult the Degree Planning Guide on the SOUSA website for additional guidance.

## Foundational Courses

The Freshman/Foundation Year requirements include foundational courses in both Science and Arts which must be selected as follows:

### Math

At least two mathematics courses:

Expand allContract all

Course	Title	Credits
MATH 139	Calculus 1 with Precalculus.	4
MATH 140	Calculus 1.	3
MATH 150	Calculus A.	4

At most one of a Second Calculus:

Expand allContract all

Course	Title	Credits
MATH 141	Calculus 2.	4
MATH 151	Calculus B.	4

At most one of a Linear Algebra course:

Expand allContract all

Course	Title	Credits
MATH 133	Linear Algebra and Geometry.	3

### Science

At least three foundational science courses:

Any number of:

Expand allContract all

Course	Title	Credits
BIOL 111	Principles: Organismal Biology.	3
BIOL 112	Cell and Molecular Biology.	3
CHEM 110	General Chemistry 1.	4
CHEM 120	General Chemistry 2.	4

<sup>1</sup> Note: CHEM 120 General Chemistry 2. is not open to students who have taken CHEM 115 .

At most one of a First Physics:

Expand allContract all

Course	Title	Credits
PHYS 101	Introductory Physics - Mechanics.	4
PHYS 131	Mechanics and Waves.	4

At most one of a Second Physics:

Note: PHYS 101 Introductory Physics - Mechanics. is a prerequisite for PHYS 102 Introductory Physics - Electromagnetism.; and PHYS 131 Mechanics and Waves. is a prerequisite for PHYS 142 Electromagnetism and Optics..

Expand allContract all

Course	Title	Credits
PHYS 102	Introductory Physics - Electromagnetism.	4
PHYS 142	Electromagnetism and Optics.	4

At most two of another Foundational Science:

Expand allContract all

Course	Title	Credits
COMP 202	Foundations of Programming. <sup>1</sup>	3
ESYS 104	The Earth System.	3
PSYC 100	Introduction to Psychology. <sup>1</sup>	3

<sup>1</sup> Note: Students in a minor or major concentration where COMP 202 Foundations of Programming. or PSYC 100 Introduction to Psychology. is a required course will need to take an alternative COMP or PSYC course if using COMP 202 Foundations of Programming. or PSYC 100 Introduction to Psychology. to satisfy the Freshman/Foundation Year requirement.

### Arts

At least three Arts courses (or 9 credits) to be chosen in two of the following three categories: Humanities, Languages, and Social Sciences.

A maximum of two courses (or 6 credits) may be chosen from one category, and no more than two courses (or 6 credits) can be taken in any one department.

Note: No course may fulfil the requirements for more than one program, including the B.A. & Sc. Freshman/Foundation Year.

### Humanities (Literature and Civilization)

Courses selected from the following subjects:

- Art History and Communications Studies (ARTH and COMS)
- Classics (CLAS)
- East Asian Studies (EAST)
- English (ENGL)
- French Language and Literature (FREN)
- German Studies (GERM)
- Hispanic Studies (HISP)
- Islamic Studies (ISLA)
- Italian studies (ITAL)
- Jewish Studies (JWST)
- Music for Arts (MUAR only)
- Philosophy (PHIL)
- Religious Studies (RELG)
- Russian Studies (RUSS)

### Languages

Courses may be taken in this category to improve language skills.

Languages include:

- Classics (Latin, Ancient Greek, Modern Greek) (CLAS)
- East Asian Studies (Chinese, Japanese, Korean) (EAST)
- English as a Second Language (CEAP, CESL)
- French as a Second Language (FRSL)
- French Language and Literature (FREN)
- German Studies (GERM)
- Hispanic Studies (Spanish) (HISP)
- Islamic Studies (Arabic, Persian, Turkish, Urdu) (ISLA)
- Italian (ITAL)
- Jewish Studies (Hebrew, Yiddish) (JWST)
- Russian and Slavic Studies (Polish, Russian, Armenian, Czech) (RUSS)

### Social Sciences

Courses selected from the following subjects:

- Anthropology (ANTH)
- Economics (ECON)
- History (HIST)
- Linguistics (LING)
- Political Science (POLI)
- Sociology (SOCI)

examinations may receive exemption and/or credit for all or part of the Mathematics and foundational science courses as well as exemption from all or part of the Arts courses requirement of the Freshman/Foundation Year. Similarly, students who have completed courses at other universities or colleges may receive exemptions and/or credits.

Advanced Placement Examination results with a score of 4 or 5 must be declared by the student at the time of initial registration at the University.

For more information about advanced standing, please consult: <http://www.mcgill.ca/students/transferecredit/>. Students must carefully select their mathematics and science Freshman/Foundation Year courses so that they have all the required prerequisites for their intended departmental programs.

## Advanced Standing/Transfer Credits

Students who have completed the Diploma of Collegial Studies, Advanced Placement exams, Advanced Levels, the International Baccalaureate, the French Baccalaureate, or McGill placement