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# Academic Advising

## MATH COURSES FOR NON-SCIENCE STUDENTS

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### What math courses can I take if I'm not in Science?

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Students in the **Social Science with Two Math** profile take 2 Math courses: Calculus I and Linear Algebra.

Students in the **Social Science Commerce** profile take 3 Math courses: Calculus I, Calculus II, and Linear Algebra.

Students in the **Social Science Math and Finance** profile take 5 Math courses: Calculus I, Calculus II, Multivariable Calculus and Probability, Linear Algebra, and Probability and Statistics.

Students in the **Psychology** profile take 1 Math course: Applied Statistics.

Students in **Liberal Arts** and **ALC** can choose to take Calculus I, Calculus II, and/or Linear Algebra, provided they meet the pre-requisites (see below). Speak with an Academic Advisor if you are in one of these programs and are considering taking Math courses.

Students in other Social Science profiles and students in the Music program (except double-DEC programs) are not eligible to take Math courses.

### What math courses do I need for business programs in university?

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Different universities have different math pre-requisites for their business programs; you can see an Academic Advisor if you are having difficulty deciphering the requirements for any particular university. The business program at Concordia (the John Molson School of Business) requires Calculus I and Linear Algebra. McGill and HEC both require Calculus I, Calculus II, and Linear Algebra.

### Am I eligible to take Calculus?

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In order to take Calculus, you must have obtained 70% or higher in both Sec. IV *and* Sec. V Math in the "technico-sciences" (TS) or "sciences de la nature" (SN) stream. High school math courses taken in the "culture, société et technologie" (CST) stream do not provide the appropriate pre-requisite knowledge to begin Calculus I.

If you have not taken Sec. IV and/or Sec. V TS/SN math, you can do so at an Adult Education centre or at another college. You can meet with an Academic Advisor at Marianopolis to discuss your options.

If you have passed Sec. IV TS/SN math but obtained a grade below 70%, you must redo the course in order to meet the pre-requisite.

If you have passed Sec. V TS/SN math but obtained a grade lower than 70%, you can qualify to take Calculus by taking the course Enhancing Math Skills, which is offered in the fall as a complementary course. Speak with an Academic Advisor if you are considering registering for this course.

### Do I need to take Statistics to study psychology in university?

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The Psychology programs at McGill and Concordia do not require that you take a statistics course prior to entry. However, you do need to take Statistics (as well as Human Biology) in order to be eligible for the Psychology program at Université de Montréal. For information about Psychology programs at other universities, please contact an Academic Advisor.