McGill
School of Computer Science ~ *École d'informatique* **398-7071 ext. 00739**
Undergraduate Student Affairs Office, Trottier Bldg., Room 2060
http://www.cs.mcgill.ca/academic/undergrad

*NEW * Minor in Computer Science (BSc)

Information:

The Computer Science Minor may be taken in conjunction with any program in the Faculties of Science and Engineering (with the exception of the other programs in Computer Science). Student must obtain approval from the adviser of their main program. Students are strongly encouraged to talk to an adviser of the School before choosing the complementary courses. Approval must be given by the School of Computer Science for the particular selection of courses to be credited towards the Computer Science Minor. This should be done before registering for the final term of studies. All courses must be passed with a grade of C or better.

Students may receive credit towards their Computer Science Minor by taking certain approved courses outside the School of Computer Science. These courses must have high computer science content. A student will not be permitted to receive more than six credits from such courses. These courses must be approved by the School of Computer Science in advance.

How to register:

Students intending to take a minor should declare the minor on MINERVA. This will allow them to register in courses that are restricted to Computer Science students. Students are encouraged to consult with the Minor Advisor regarding their choice of courses. Office hours for the Minor Advisor are available at Undergraduate Student Affairs Office. At the beginning of their final year of studies, students should fill out the attached Minor Approval Form and present it for approval to the Minor Advisor. A copy of the form should be returned to the Undergraduate Student Affairs Office as well. In the event that the student wishes to obtain permission to take a course outside of the School, the form may be completed earlier.

Required Courses (9 credits):

COMP 202*	(3)	Introduction of Computing 1
COMP 203	(3)	Introduction to Computing 2
Or COMP 250	(3)	Introduction to Computer Science
COMP 206	(3)	Introduction to Software Systems

**Students who have sufficient knowledge in a programming language do not need to take COMP 202 but can replace it with an additional computer science complementary course.*

Complementary Courses (15 credits):

Selected from:

COMP 251*	(3)	Data Structures and Algorithms
COMP 273	(3)	Introduction to Computer Systems
MATH 222	(3)	Calculus 3
MATH 240	(3)	Discrete Structures 1

And Computer Science courses at the 300-level or above (except COMP 364, COMP 396, COMP 400, COMP 431).

- All courses must be passed with a grade of C or better.
- **Note:** COMP 251* is a prerequisite for many of the higher level Computer Science courses.
- Students may receive credit towards the elective courses in their Computer Science Minor by taking certain approved courses outside the School of Computer Science. A maximum of six credits will be allowed for courses offered outside of the School of Computer Science and the Minor Advisor must approve each such course before registering in them. A list of approved courses is given below.
- If a student's Major program requires Computer Science courses, up to six credits of Computer Science Courses may be used in fulfilments of both the Major and Minor requirements. A student must, however, take a minimum of 18 credits of approved Computer Science courses at McGill specifically towards fulfilment of the requirements for the Minor.

Approved Elective Courses Outside of Computer Science

Faculty of Engineering

Certain advanced level courses from the Faculty of Engineering that have a significant computational component may be approved by the Minor Advisor.

Department of Mathematics

MATH 317	Numerical Analysis
MATH 327	Matrix Numerical Analysis
MATH 328	Computability and Mathematical Linguistics
MATH 407	Dynamic Programming
MATH 417	Mathematical Programming
MATH 579	Numerical Differential Equations

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Science Minor Approval Form

Name: ..... **Date:** .....

(Last name / first name)

Student No: ..... **Year**: …….**U1** …….**U2** …….**U3**

Program: …….. Major **Program**: ……

……..Honours **Option**: (*if applicable*) ……..

…….. Faculty **Adviser**: ……

Students wishing to register for a Minor program must complete this form at the beginning of their final year of studies. A copy of this form must be returned to the Undergraduate Student Affairs Office during the registration period or during the drop/add period at the beginning of the term. Students declare online their Minor via MINERVA.

Students wishing to drop or add courses required for the Minor must have their MINERVA worksheet signed by the **Minor Adviser, Prof. N. Friedman, Room 325, McConnell Bldg**. The MINERVA worksheet must be returned to the Undergraduate Student Affairs, Trottier Bldg.

COURSE NO	CREDIT	YEAR TAKEN	GRADE

Reminder:

- No more than 6 credits of overlap with the degree program courses is normally allowed. In some cases no overlap is permitted. It is your responsibility to ensure that you do not exceed the amount of overlap permitted in the Minor. Please have any course overlap approved by both of your advisors.
- All courses indicated above must be completed with a grade of "C" or better.

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Signature of Minor Advisor ~ Prof. Nathan Friedman Signature of Student