

## THE JODREY SCHOOL OF COMPUTER SCIENCE

*Room310, Carnegie Hall*

The Jodrey School of Computer Science offers bachelors and masters degrees to prepare professional computer scientists with a broad knowledge of computer science and a thorough understanding of computer systems software. The programs provide in-depth learning of modern software design and implementation and include the study of computer systems hardware.

The BCS, BCSH, and BCSS programs are accredited by the Canadian Information Processing Society (CIPS) making Acadia graduates eligible for CIPS Information Systems Professional (ISP) certification after satisfying the short working experience criterion. CIPS is the major society for computing professionals in Canada and runs a program of accreditation of university programs and a certification program for individual members.

A student may complete any of the four BCS degrees with a co-operative education option or an internship option. Co-operative education offers 4 four-month work terms alternating with study terms. It is mandatory for a student to complete 16 months of successful work experience once enrolled in the co-operative education program. An internship offers 16 months of consecutive work experience prior to the last year of study. Further details about the options are available from the school.

The school does not accept Apsc 1413, Math 1213/1223, Math 1613, Comp 2913, or any 1800-level computer science course for credit towards a degree in computer science.

### **Bachelor of Computer Science with Honours**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3403, 3343, 3413, 3613, 3703, 3713, 3753, 4223, 4996, and Math 1413 or 1313, 1423 and 2433, each with B- or better (63h)
2. 9h Comp at 3000/4000-level, with B- or better
3. Math 1013, 1023, 3413, and 6h mathematics elective (not 2233 or 2243), each with C- or better (15h)
4. 6h English or one language other than English
5. 9h of courses offered by the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
6. 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration
7. 6h of elective courses.
8. A minimum CGPA of 3.0 or better is required for graduation.

### **Bachelor of Computer Science**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3343, 3403, 3613, 3703, 3713, 3753, 4983, and Math 1413 or 1313, 1423 and 2433, each with C- or better (54h)
2. 12h other Comp, each with C- or better
3. Math 1013, 1023, each with C- or better (6h)
4. 6h English or one language other than English
5. 9h of courses offered by the Faculty of Arts (not Econ 2613, 2623, or Soci 3103)
6. 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration
7. The remaining 21h are electives with at most 15h in Comp (21h)
8. A minimum CGPA of 2.00 is required to be eligible to graduate.

### **Bachelor of Computer Science with Specialization**

1. Comp 1113, 1123, 2103, 2113, 2203, 2213, 2663, 2903, 3343, 3403, 3613, 3663, 3703, 3713, 3753, 4983, and Math 1413 or 1313, 1423 and 2433, each with C- or better (57h)
2. A set of required specialty courses, each completed with a grade of C- or better. The specialties and their required courses, are: **Computer Systems: Software** Comp 3413, 3773, 4343; 15h Comp at the 3000+ level; and 12h from the Faculty of Pure and Applied Science (not mathematics or computer science) or from the School of Business Administration (36h); or **Electronic Commerce:** Comp 2513, 2523, 3503, 3513, 4343, 4503, Busi 1703, 2213, 2413, 2053, 2733, 2803 (36h)
3. Math 1013, 1023, each with C- or better (6h)
4. 6h English or one language other than English
5. 9h of courses from the Faculty of Arts (not Econ 2613, 2623, or Soci 3103).

6. 9h electives, 6h of which must be non-computer science courses
7. A minimum CGPA of 2.00 is required to be eligible to graduate

**Bachelor of Science with Honours in Computer Science**

Comp 1113, 1123, 2103, 2113, 2213, 2203, 2663, 2903, 3343, 3713, 3753, 4996 and Math 1413 or 1313, 1423 and 2433 and 12h at the 3000+ level (51h)

**Certificate in Computer Science (30h)**

Comp 1113, 1123, 2103, 2113, 2203, 2213, 3613, Math 1413 and 1423, 3h Comp elective at the 2000+ level. This program is open only to part-time students.