COMPUTING

School Notes

Subject Code for Artificial Intelligence: **ARIN**
Subject Code for Biomedical Computing: **BMCO**
Subject Code for Cognitive Science: **COGS**
Subject Code for Computer Science: **CSCI**
Subject Code for Computing: **COMP**
Subject Code for Computing and Information Science: **CISC**
Subject Code for Computing, Mathematics, and Analytics: **COMA**

Subject Code for Computing and the Creative Arts: **COCA**
Subject Code for Software Design: **SODE**
World Wide Web Address: https://www.cs.queensu.ca/

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Overview

The School of Computing offers many broad, flexible Plans, each providing you with a solid foundation in the science and principles of computing. Theory and application are balanced as you put your knowledge to work under the guidance of award-winning researchers. Choose from a Computing-specialist Plan (Computer Science (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/computer-science-specialization-computing-bc-honours/), Software Design (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/software-design-specialization-computing-bc-honours/)), a multi-disciplinary Plan (Biomedical Computing (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/biomedical-computing-specialization-computing-bc-honours/), Cognitive Science (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/cognitive-science-specialization-computing-bc-honours/), Computing and the Creative Arts (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/computing-creative-arts-specialization-arts-ba-honours/), Computing and Mathematics (https://queensu-ca-public.courseleaf.com/arts-science/schools-departments-programs/computing/computing-mathematics-analytics-specialization-computing-bc-honours/)), or design your own program by incorporating a Major or Minor Plan in Computing with another Plan in the Creative Arts, Humanities, Languages, Social Sciences, or Natural and Physical Sciences.

Advice to Students

Students should seek academic advising by emailing **advising@cs.queensu.ca.** Please remember to send your questions from your Queen's email account with your student number included.

Introductory Courses

Students considering pursuing any Plan offered through the School of Computing must take CISC 102. Students without programming experience should take either CISC 101 or CISC 110 or CISC 151 before CISC 121.

Special Study Opportunities

Computing Facilities

Undergraduates in the School of Computing are often able to see what research is like as summer undergraduate researchers in over 20 research labs such as labs for Big-data Analytics and Management, Computational Genomics, Collaborative Gaming Technology, Percutaneous Surgery, Medical Informatics, Robotics, Modeling and Analysis in Software Engineering, Reliable Software Technology, Smart Information Management, Software Analysis and Intelligence, and Telecommunications. Through the School's network of labs, students access leading software such as Unity and Matlab. Our hosted cloud services give students a platform to learn industry-leading technologies like managing virtual hosts and collaborative development using Gitlab.

Professional Internship Program

Students in a Bachelor of Computing (Honours) plan (code BCH) can register in a Professional Internship version of their plan. An internship placement is an integral part of a Professional Internship plan. The COMP courses 390/6.0, 391/3.0, 392/3.0, and 393/3.0 ensure that students continue to be registered during the terms of their internship placement. Satisfactory completion of a written summary

report or participation in a final presentation following completion of the work period enables the internship student to receive credit for the courses plus transcript and diploma annotations indicating a degree plan that includes a Professional Internship. For all COMP programs except SODE, these replace a single (3.0 unit) elective. For SODE students, the internship replaces CISC 498/6.0. The requirements for the Professional Internship versions of the B.Comp. (Hons.) degrees are the same as the standard versions of these degree programs that the total unit requirements are increased, dependent on the length of the internship term.

Professional Internships are either 12- or 16-month paid work terms in a career-related position and are usually undertaken in a student's second or third year. To qualify, students must meet the minimum GPA requirement of 1.90 in at least 54.00 units and no more than 108.00 units and must seek approval of the Chair of Undergraduate Studies in the School of Computing. Upon successful completion of the internship program, students' transcripts will be annotated with a statement certifying that they have completed their degree with a Professional Internship.