

Fourth Year: ten courses, including COMP-4990 (a 6.0 credit hour course) and two Computer Science courses at the 3XXX or the 4XXX level.

Bachelor of Science (Honours Computer Science with Software Engineering Specialization)

This program is available with or without Co-op. See Program and Co-operative Education Regulations above.

Degree Requirements

Total courses: forty.

- (a) COMP-1000, COMP-1400, COMP-1410, COMP-2120, COMP-2140, COMP-2310, COMP-2540, COMP-2560, COMP-2650, COMP-2660, COMP-2800, COMP-3110, COMP-3150, COMP-3220, COMP-3300, COMP-3540, COMP-3670, COMP-4110, COMP-4400, COMP-4540, COMP-4800, COMP-4960 or COMP-4990 (both 6.0 credit hour courses), plus one additional Computer Science course (excluding COMP-XXX7).
- (b) MATH-1250 (or MATH-1260), MATH-1720 (or MATH-1760), MATH-1730, MATH-1020, and STAT-2920 (or STAT-2910).
- (c) four courses, one from each category: (i) Dynamics and Psychology: PSYC-1150, PSYC-2180, PHIL-2280, PHIL-1290, (ii) Communication skills: CMAF-2210, DRAM-2100, ENGL-1001, (iii) Professionalism: PHIL-2210, PHIL-2240, GART-2090, ENGL-1005, and (iv) Business and Management: MKTG-1310, MGMT-2400, STEN-1000.
- (d) two courses from Arts, Languages or Social Sciences, including one from Arts/Languages and one from Social Sciences;
- (e) four additional courses from any area of study, including Computer Science.
- (f) one course at the 2XXX-4XXX level from Mathematics/Statistics or Computer Science (excluding COMP-XXX7).

The major average will be calculated on the basis of grades obtained in COMP-1000, COMP-1400, COMP-1410, COMP-2120, COMP-2140, COMP-2310, COMP-2540, COMP-2560, COMP-2650, COMP-2660, COMP-2800, COMP-3110, COMP-3150, COMP-3220, COMP-3300, COMP-3540, COMP-3670, COMP-4110, COMP-4400, COMP-4540, COMP-4800, and either COMP-4960 or COMP-4990.

Recommended Course Sequence

First Year: ten courses, including COMP-1000, COMP-1400, COMP-1410, MATH-1250 (or MATH-1260), MATH-1720 (or MATH-1760), MATH-1730 and MATH-1020.

Second Year: ten courses, including COMP-2120, COMP-2140, COMP-2310, COMP-2540, COMP-2560, COMP-2650, COMP-2660, COMP-2800, and STAT-2920 (or STAT-2910).

Third Year: ten courses, including COMP-3110, COMP-3150, COMP-3220, COMP-3300, COMP-3540, COMP-3670.

Fourth Year: ten courses, including COMP-4110, COMP-4400, COMP-4540, COMP-4800, and COMP-4990 (a 6.0 credit hour course).

To remove any suggestion that the word "engineering," in the context of courses or programs in Computer Science implies the meaning of "engineering" as used in the context of courses or programs in Professional Engineering, it is hereby acknowledged that Software Engineering is a collection of principles, models, methods, and techniques for the development, maintenance, evolution, and reuse of