

Computer Science - Computer Applications September Entry

| Year | Term | Course | Title | Credit | Prerequisite | Co-requisite |
|--------|--------|----------|---|--------|--|---------------|
| Year 1 | Fall | COMP 232 | Mathematics for Computer Science | 3.00 | MATH 203, 204 | |
| | | COMP 248 | Object-Oriented Programming I | 3.50 | | MATH 204 |
| | | | Elective* | | | |
| | Winter | COMP 228 | System Hardware | 3.00 | COMP 248 | MATH 203, 204 |
| | | COMP 233 | Probability and Statistics for Computer Science | 3.00 | MATH 205 | |
| | | COMP 249 | Object-Oriented Programming II | 3.50 | COMP 248; MATH 203 | MATH 205 |
| | | ENCS 282 | Technical Writing and Communication | 3.00 | Students must pass the Engineering Writing Test (EWT), or pass ENCS 272 with a grade of C- or higher | |
| | | | Elective* | | | |
| Year 2 | Fall | COMP 348 | Principles of Programming Languages | 3.00 | COMP 249 | |
| | | COMP 352 | Data Structures and Algorithms | 3.00 | COMP 249 | COMP 232 |
| | | | Elective* | | | |
| | Winter | COMP 335 | Introduction to Theoretical Computer Science | 3.00 | COMP 232 or COEN 231; COMP 249 or COEN 244 | |
| | | COMP 346 | Operating Systems | 4.00 | COMP 228 or SOEN 228; COMP 352 | |
| | | | Elective* | | | |
| Year 3 | Fall | COMP 354 | Introduction to Software Engineering | 4.00 | COMP 352; ENCS 282 | |
| | | | Elective* | | | |
| | Winter | ENCS 393 | Social and Ethical Dimensions of Information and Communication Technologies | 3.00 | ENCS 282; 40 credits in BCompSc program | |
| | | | Elective* | | | |

* For the list of electives which students must complete, please consult section 71.70.2 of the 2018-2019 Undergraduate Calendar.

Computer Science - Computer Applications January Entry

| Year | Term | Course | Title | Credit | Prerequisite | Co-requisite |
|--------|--------|----------|---|--------|--|---------------|
| Year 1 | Winter | COMP 232 | Mathematics for Computer Science | 3.00 | MATH 203, 204 | |
| | | COMP 248 | Object-Oriented Programming I | 3.50 | | MATH 204 |
| | | | Elective* | | | |
| | Summer | COMP 228 | System Hardware | 3.00 | COMP 248 | MATH 203, 204 |
| | | COMP 233 | Probability and Statistics for Computer Science | 3.00 | MATH 205 | |
| | | COMP 249 | Object-Oriented Programming II | 3.50 | COMP 248; MATH 203 | MATH 205 |
| | | ENCS 282 | Technical Writing and Communication | 3.00 | Students must pass the Engineering Writing Test (EWT), or pass ENCS 272 with a grade of C- or higher | |
| | | | Elective* | | | |
| Year 2 | Fall | COMP 348 | Principles of Programming Languages | 3.00 | COMP 249 | |
| | | COMP 352 | Data Structures and Algorithms | 3.00 | COMP 249 | COMP 232 |
| | | | Elective* | | | |
| | Winter | COMP 335 | Introduction to Theoretical Computer Science | 3.00 | COMP 232 or COEN 231; COMP 249 or COEN 244 | |
| | | COMP 346 | Operating Systems | 4.00 | COMP 228 or SOEN 228; COMP 352 | |
| | | | Elective* | | | |
| Year 3 | Fall | COMP 354 | Introduction to Software Engineering | 4.00 | COMP 352; ENCS 282 | |
| | | | Elective* | | | |
| | Winter | ENCS 393 | Social and Ethical Dimensions of Information and Communication Technologies | 3.00 | ENCS 282; 40 credits in BCompSc program | |
| | | | Elective* | | | |

* For the list of electives which students must complete, please consult section 71.70.2 of the 2018-2019 Undergraduate Calendar.

Computer Science - Computer Applications Co-op Entry

| Year | Term | Course | Title | Credit | Prerequisite | Co-requisite |
|--------|--------|-------------|---|--------|--|---------------|
| Year 1 | Fall | COMP 232 | Mathematics for Computer Science | 3.00 | MATH 203, 204 | |
| | | COMP 248 | Object-Oriented Programming I | 3.50 | | MATH 204 |
| | | | Elective* | | | |
| | Winter | COMP 228 | System Hardware | 3.00 | COMP 248 | MATH 203, 204 |
| | | COMP 233 | Probability and Statistics for Computer Science | 3.00 | MATH 205 | |
| | | COMP 249 | Object-Oriented Programming II | 3.50 | COMP 248; MATH 203 | MATH 205 |
| | | ENCS 282 | Technical Writing and Communication | 3.00 | Students must pass the Engineering Writing Test (EWT), or pass ENCS 272 with a grade of C- or higher | |
| | | | Elective* | | | |
| | Summer | Work Term 1 | | | | |
| Year 2 | Fall | COMP 348 | Principles of Programming Languages | 3.00 | COMP 249 | |
| | | COMP 352 | Data Structures and Algorithms | 3.00 | COMP 249 | COMP 232 |
| | | | Elective* | | | |
| | Winter | Work Term 2 | | | | |
| | Summer | COMP 335 | Introduction to Theoretical Computer Science | 3.00 | COMP 232 or COEN 231; COMP 249 or COEN 244 | |
| | | COMP 346 | Operating Systems | 4.00 | COMP 228 or SOEN 228; COMP 352 | |
| | | | Elective* | | | |
| Year 3 | Fall | ENCS 393 | Social and Ethical Dimensions of Information and Communication Technologies | 3.00 | ENCS 282; 40 credits in BCompSc program | |
| | | | Elective* | | | |
| | Winter | Work Term 3 | | | | |
| | Summer | COMP 354 | Introduction to Software Engineering | 4.00 | COMP 352; ENCS 282 | |
| | | | Elective* | | | |

* For the list of electives which students must complete, please consult section 71.70.2 of the 2018-2019 Undergraduate Calendar.