ESP/IESP Computer Science Stream

A. First-Year Seminar (1 credit)
- introduces basic intellectual skills expected of university students
- small classes – teamwork and mentoring
- support from peer mentors
- is a regular first-year credit
- course is transferrable to science degrees
- three hours of class/week

Choose one First-Year Seminar:
Sample seminar course list

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Psychology and Science of Academic Success</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>The Creative Self</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>Power &amp; Persuasion</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>Language, Power &amp; Culture</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>Communication in Humans and Other Animals</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>Forensic psychology</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
<tr>
<td>IESP: Introduction to Indigenous Studies</td>
<td>1.0</td>
<td>fall/win</td>
</tr>
</tbody>
</table>

B. Elective Courses (2 credits)
- first-year courses
- in same class with other 1st year students
- same exams and assignments
- graded according to same standard
- math classes are usually 4 hrs/week
- computer science classes usually 3 hrs/week and tutorials 1.5 hrs/week
- courses are transferrable to computer science degrees

Take two science/math credits:
- Elementary Calculus*/Linear Algebra*
  - MATH 1007 (0.5 credits: fall)
  - MATH 1104 (0.5 credits: winter)
- Introduction to Computer Science*
  - COMP 1005/1006 (1.0 credit: fall/win)

*High school prerequisite = Grade 12 Advanced Functions (MHF4U) - min 60%
* Grade 12 Calculus (MCV4U) recommended

C. Workshops (non-credit)
- one workshop to support each elective course
- structured study session to help you develop the skills and habits needed to succeed in the course
- led by a facilitator who attends the course lectures each week
- reviews and reinforces course material
- guides you in formulating effective study, test-taking and essay writing strategies
- develop skills to help you succeed throughout your degree
- each workshop is 3 hours/week

Take two workshops:
- Elementary Calculus/Linear Algebra
  - ESP/IESP Workshop (fall/winter)
- Introduction to Computer Science
  - ESP/IESP Workshop (fall/winter)

D. Academic Advantage Coaching
- one-on-one sessions with academic coaches who focus on what you need to learn, when you need to learn it
- acquire skills in areas like time management, organization, study & review, presenting, writing & mathematics
- get help preparing for essays, presentations and tests

E. Academic Advising
- meet with advisor for support in setting academic goals and plans
- aid in applying to a degree program
- help with academic or personal difficulties
- aid in deciphering academic rules and regulations
- register or withdraw from courses
- help locate the right person, service, or resource in the university

Critical Thinking Skills:
- critical thinking
- problem solving
- decision making