

## **CC Courses for SFU Faculty of Applied Science**

(Jan 29<sup>th</sup> 2020)

### **1. Engineering Science Major**

Students wishing to transfer to Engineering Science need to complete at least 24 credits of transferable coursework, including Math 113, 114, Phys 110, 120, and Csci 120 or Apsc 160.

#### **Five Engineering Science Major/Honours programs are available:**

Computer Engineering (Major)  
Electronics Engineering (Major)  
Systems Engineering (Major)  
Biomedical Engineering (Honours only)  
Engineering Physics (Honours only)

**All 5 of the above programs have a Common Core of courses.**

The following CC courses satisfy certain Core requirements for all 5 Engineering options:

| <b><u>CC</u></b>   | <b><u>SFU</u></b>                                |
|--|--|
| Math 113   | Math 151   |
| Math 114   | Math 152   |
| Math 213   | Math 251   |
| Math 230   | Math 310   |
| Math 252   | Math 232   |
| Chem 121   | Chem 121   |
| Csci 120 or Apsc 160   | CMPT 128   |
| Apsc 151(4)  | ENSC 204(1)* Note: only a 1 credit course at SFU |
| Phys 110/120 (together)  | Phys 120, 121, 132, 133                          |
| Complementary Studies Elective (SOC or HUM); 3 required in total (min 1 HUM & 1 SOC) |  |

#### **Writing (W) Requirement:**

All Engineering Science students must take SFU's Encs 100 & 105 to satisfy lower level W requirement.

English 100/101 satisfy the English Language Proficiency Requirement for Admission.

### **2. Other Majors in the Faculty of Applied Science**

Students wishing to transfer to one of the following Majors should complete a minimum of 24 transferable credits, including Engl 100 or 101 and 21 or more credits from the courses listed below.

(continued on reverse . . .)

### **Mechatronics Systems Engineering Major (MSE)**

The following CC courses satisfy requirements in the MSE Major:

Csci 120\* or Apsc 160\*

Math 113\*, 114\*, 213, 230, 252\*

Chem 121

Phys 110\*/120\* – must transfer together\*

3 Complementary Studies Electives (CSE): min 1 HUM and 1 SOC

\* courses with an asterisk must be completed in order to transfer

### **Software Systems Major**

The following CC courses satisfy requirements in the Software Systems Major:

Csci 120 or Apsc 160

Math 105 or Math 206 or Busn 291

Math 113, 114, 120, 221, 252

Csci 225 (prerequisites of Csci 120 and 125)

3 Complementary Studies Electives (CSE): min 1 HUM and 1 SOC

### **Sustainable Energy Engineering (SEE) Major**

The following CC courses satisfy requirements in the SEE Major:

Csci 120 or Apsc 160

Math 113, 114, 213, 230, 252

Chem 121

Phys 110/120 - must transfer together

3 Complementary Studies Electives (CSE): min 1 HUM and 1 SOC

### **Computing Science Major (BSc.)**

The following CC courses satisfy requirements in the Computing Science Major:

Csci 120, 125, 225

Math 113, 114, 120, 206, 221, 252

4 Complementary Studies Electives (CSE): 2 HUMS & 2 SOCS