

### SFU Admission Requirements:

- ☐ [English language requirement](#), (grade of C- or better)
- ☐ [Quantitative and Analytical skills requirement](#), (grade of C- or better)
- ☐ [Average GPA](#) and
- ☐ Application [deadline](#) date

### AND one of the following paths:

#### Entry path 1: Faculty-specific [Engineering Admission Requirements](#):

- ☐ [Average admission GPA](#) and,
- ☐ minimum 24 transferable credits including:
  - ☐ One approved math course chosen from: MATH 152, MATH 232 (or 240)
  - ☐ One approved computing course chosen from: CMPT 128 (or 135; or (125 and 127) and CMPT 225)
  - ☐ One approved Physics course chosen from: PHYS 121 (or 141), PHYS 221, and PHYS 321

(Approved courses indicated with \* below)

### Common core courses for first and second year:

SFU - Burnaby	Douglas College Equivalent	Douglas College Prerequisites
minimum of <u>any</u> 24 credits	<b>Admission to Lower Division</b> (1 <sup>st</sup> or 2 <sup>nd</sup> yr)	Refer to Douglas College <a href="#">Program and Course Catalogue</a> for course prerequisite information and /or <a href="#">Assessment Services</a>
<b>Year 1</b>		
CMPT 130 (3)	* <a href="#">CMPT 1110</a> (3)	
or	or	
	* <a href="#">CSIS 1175</a> (3)	
	or	
CMPT 128 (3)	* <a href="#">CSIS 1105</a> (3)	
CHEM 120 (3) or 121 (3)	<a href="#">CHEM 1110</a> (4)	

ENSC 105W (3)	<a href="#">CMNS 1135</a> (3)	
MATH 151 (3)	<a href="#">MATH 1120</a> (3)	
MATH 152 (3)	* <a href="#">MATH 1220</a> (3)	
MATH 251 (3)	<a href="#">MATH 2321</a> (3)	
MATH 310 (3)	<a href="#">MATH 2421</a> (3)	
PHYS 140 (4) or PHYS 120(3) and PHYS 141(4) or PHYS 121(3)	* <a href="#">PHYS 1110</a> (5) and * <a href="#">PHYS 1210</a> (5)	
<a href="#">Complementary Studies Elective</a> (9 units)	Complementary <sup>3</sup> Studies Electives	

<sup>3</sup>Students must select a total of 9 units (3 courses) of Breadth with 3 units from each of B-Soc and B-Hums and B-Soc or B-Hums (from [Breadth](#) or [Pre-Approved Complementary Electives List](#))

Note: Additional MSE courses required in the first year may be taken over a number of semesters once at SFU. Not all of the missing courses are offered in a single semester.

-Mechatronic Systems Engineering – Surrey Campus: MSE 100, MSE 101, MSE 102, MSE 110

## Links and Resources:

**Specialization is selected in third year from options below:**

Major: [Mechatronics Systems Engineering](#)

Double Major: [Mechatronics Systems Engineering and Business](#)

Honours: [Mechatronics systems Engineering](#)

[Systems One](#): Core Requirements for Software Systems major, Mechatronic Systems major and honours programs

**Contact an Engineering Science advisor:**

Email: [sysone@sfu.ca](mailto:sysone@sfu.ca)

Phone: 778.782.9773

In person: [Drop-in advising](#).