

CC Courses for SFU Applied Science/Engineering Programs

(Updated Feb 15th, 2023)

SFU Applied Sciences/Engineering

Transfer students must have completed at least 24 credits, including the courses marked with an asterisk *.

English 100 (min C-) will satisfy SFU's English Language Proficiency requirement.

A. School of Engineering Science (5 Options)

Computer Engineering Major

The following courses satisfy requirements in the Computer Engineering Major:

CSCI 120* or APSC 160* (CSCI 120 is the prerequisite for CSCI 125)

CSCI 225 (prerequisite CSCI 125)

CHEM 121*

ECON 103

MATH 113*

MATH 114

MATH 221 (prerequisite MATH 120)

MATH 213

MATH 252

PHYS 110*

PHYS 120

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

Electronics Engineering Major

The following courses satisfy requirements in the Electronics Engineering Major:

CHEM 121

ECON 103

MATH 113*

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110*

PHYS 120*

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

Systems Engineering Major

The following courses satisfy requirements in the Systems Engineering Major:

CHEM 121

MATH 113*

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110*

PHYS 120*

ECON 103 strongly recommended as a Complementary Arts Elective

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

Biomedical Engineering Honours

The following courses satisfy requirements in the Biomedical Engineering Honours:

CSCI 120* or APSC 160*

ECON 103

CHEM 121

MATH 113*

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110*

PHYS 120*

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

Engineering Physics Honours

The following courses satisfy requirements in the Engineering Physics Honours:

CSCI 120* or APSC 160*

ECON 103

CHEM 121

MATH 113*

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110

PHYS 120*

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

B. School of Mechatronic Systems Engineering (MSE) Major

The following courses satisfy requirements in the MSE Major:

CSCI 120* or APSC 160*

CHEM 121

MATH 113*

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110*

PHYS 120*

ECON 103 strongly recommended as a Complementary Arts Elective

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.

C. **School of Sustainable Energy Engineering (SEE) Major**

CSCI 120* or APSC 160*

CHEM 121*

MATH 113

MATH 114*

MATH 213

MATH 230

MATH 252

PHYS 110*

PHYS 120

ECON 103 strongly recommended as a Complementary Arts Elective

Two additional Complementary Arts Electives, at least one of which must be a HUM: choose from ARTH 100, ENGL 108, 110, 121, 131, HIST 110, 120, PHIL 101, 102.