

# ENGR 102

## Replacement options

If you did not take ENGR 102, what do you do to replace it?

Below are your options:

### Option 1

An engineering elective that is appropriate for the student's engineering major. CHEE list at bottom of this link is the [engineering elective list](#).

### Option 2

A course from the following list; a student may NOT choose a course that duplicates subject matter covered in the student's required or elective course work (for example, an ECE major may not take ECE 207 to satisfy the ENGR 102a + ENGR 102b requirement).

ABE 201:	Introduction to Biosystems Engineering (note: 2 units; may use for ENGR 102b, so student must also chose a one-unit course to pair with ABE 201)
ABE 221:	Introduction to Computer Aided Design
AME 220:	Introduction to Aerospace Engineering
BME 214:	Introduction to Biomechanics
BME 210:	Intermediate BME Design
CHEE 201:	Elements of Chemical Engineering
ECE 175:	Computer Programming for Engineering Applications
ECE 207:	Elements of Electrical Engineering
ECE 220:	Basic Circuits
MNE 205:	Introduction to Mining Engineering
MSE 222:	Introduction to Materials Science I
SIE 250:	Introduction to Systems and Industrial Engineering
SIE 265:	Engineering Management I
SIE 270:	Mathematical Foundations of Systems and Industrial Engineering
SIE 277:	Object Oriented Modeling and Design

### Option 3.

In the case where a student can identify no satisfactory substitute under Option 1 or Option2, a student may propose an alternative substitution for the ENGR 102a + ENGR 102b requirement. A student proposing to proceed under Option 3 MUST have PRIOR approval of the department faculty for their degree program and approval of the Associate Dean for Academic Affairs. [Please email me when you find a course in option 3 and I can finalize the approvals.](#)

**Please always feel free to ask me should you have any further questions.**

**Thank you.**

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