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 Option 2, 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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