

Mechanical Engineering Option Requirements
Advanced Engineering Electives
Sept. 26, 2016

List of approved courses

ME 72*, 75*, 90*, 101, 102, 103, 105, 109, 115, 116, 117, 118, 119, 120, 131, 132
Ae 105, 121
AM 151
APh 105, 109, 115, 116
ChE 103, 105, 112
CE 90, 160
CDS 110, 112, 140
EE 51, 111, 112, 113
MS 115

Option 1: Pre-approved tracks:

Choose at least 27 units from any one track (depth), and at least 9 units each from two other tracks (breadth):

- Design, Systems, and Mechatronics: ME 72⁺⁺, ME 75⁺⁺, ME 103, ME 105, Ae 105, APh 109, ChE 112, EE 51, EE 111, EE 112.
- Dynamics and Control: AM 151, CDS 110, CDS 112, CDS 140, ChE 105, EE 113.
- Fluids and transport: ME 101, CE 112, ChE 103, APh 115, APh 116.
- Robotics: ME 115, ME 131, ME 132.
- Solids and Materials: ME 102, MS 115, ME 116.
- Structures: CE 90, CE 160.
- Thermodynamics and Energy: ME 109, ME 117, ME 118, ME 119, ME 120, APh 105, Ae 121.
- Thesis: ME90⁺⁺.

Option 2: Choose 45 units from the list of approved courses subject to approval of the advisor and the option representative.

Note: The list of approved courses will be updated periodically. If you want to substitute a class not listed here (for example from study abroad), you must obtain the approval of the option representative.

* If ME72, ME75, and/or ME90 are chosen, they cannot be used to fulfill the capstone design requirement

+ ME75 and ME90 must be taken for 27 units (i.e. all three quarters) in order to be counted as elective units for breadth