CornellEngineering
Sibley School of Mechanical and Aerospace Engineering

Application to Certify Completion of a Mechanical Engineering Minor

Applicant Information

Name:_____ CUID:_____ NetID:_____

Major:_____ Projected Graduation Date (month/year):_____

Courses Applying to Minor:
Please list each course you have taken, or plan to take, which will apply to the engineering minor program as described on the reverse of this form. Include the semester/year in which you completed, or plan to complete, each course, as well as the number of credits for each.

NOTE: The minor must be offered by a department other than that which offers your engineering major(s), and is contingent upon successful completion of Bachelor of Science degree requirements.

Course 1:_____ Semester & Year Completed:_____ Number of Credits:_____

Course 2:_____ Semester & Year Completed:_____ Number of Credits:_____

Course 3:_____ Semester & Year Completed:_____ Number of Credits:_____

Course 4:_____ Semester & Year Completed:_____ Number of Credits:_____

Course 5:_____ Semester & Year Completed:_____ Number of Credits:_____

Course 6:_____ Semester & Year Completed:_____ Number of Credits:_____

- The courses you've selected will be reviewed by the department and you will receive an email approval of your proposed plan. If at any point you need to make changes to this course plan, please contact the MAE undergraduate office. Revisions to your minor course plan will be submitted for review and you will again, receive email approval.
- Your application will go through final review after you graduate, at which point you will receive confirmation that completion of the minor has been submitted to the Engineering Registrar for processing.
- The minor will be listed on your official transcript.

Please submit this completed form to Emily Ivory or Kae-Lynn Wilson in 125 Upson Hall.

Minor in Mechanical Engineering

Offered by: Sibley School of Mechanical and Aerospace Engineering
Administered by: MAE Undergraduate Coordinator, 125 Upson Hall
Eligibility: All undergraduates, except those majoring in Mechanical Engineering.

Educational Objectives:
The primary educational objective of this minor is to give students from outside MAE the necessary skills and tools to interact technically with mechanical engineers on various multidisciplinary fronts. This minor has the appearance of being very broad since it encompasses nearly all of the MAE upper-division courses. However, the prerequisites of the upper-division courses may dictate that a student concentrate in a sub-area of mechanical engineering. A recommended strategy for designing a minor is to select a few upper-level courses of interest and work backward from them to determine what courses will be needed as prerequisites or prerequisites of prerequisites (Note: Instructors may waive certain prerequisites in some circumstances). The prerequisite structure dictates that most curricula will focus either on fluids/thermal systems or mechanical systems/design courses.

Requirements:
At least six (6) courses ($\geq$ 18 credits) from among the following: MAE courses at the 2000+ level, ENGRD 2020: Mechanics of Solids, and ENGRD 2210: Thermodynamics.

Academic Standards:
A grade of C- or better in each course.

Rules for Selecting Courses:
The selection of courses must satisfy the following three requirements:

- At least two courses must be numbered above 3000.
- At least one course must be either (i) numbered above 5000 or (ii) numbered above 3260 and have as its prerequisite ENGRD 2020, ENGRD 2210, or an MAE course.
- Each course must be worth at least 3 credits.

All courses used to satisfy the ME minor must be MAE courses, ENGRD 2020, or ENGRD 2210. At most one course may be transferred in from another Cornell department or institution. MAE 4980: Teaching Experience in Mechanical Engineering, may not be used to satisfy the ME minor. Credits from MAE 4900 or 4291 may be used for at most one course in the minor.

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