M.Eng. On-Campus Degree Requirements

Required Courses

The following courses are required for the M.Eng. degree in Systems Engineering.

SYSEN 5100	Model Based Systems Engineering	(Fall, 4 credits)
SYSEN 5200	Systems Analysis Behavior & Optimization	(Spring, 3 credits)
SYSEN 5900	Systems Engineering Project	(Spring and Fall, 6 to 8 credits)
CEE 5900	Project Management	(Spring or Fall, 4 credits)
	Total credits for required courses	**17 to 19**

Elective Courses

Since a minimum of 30 credits are required for the M.Eng. degree, 11 to 13 credits of electives will be needed. A list of pre-approved electives is available on the Systems Engineering website at https://www.systemseng.cornell.edu/se/programs/meng-degree-campus/forms. Other courses that have systems content can be approved by submitting a Systems Engineering General Petition.

The electives are grouped into the following categories with the restrictions described:

Group	Restriction
Modeling and Analysis	At least one course must be taken from this group (3 to 4 credits)
Applications	At least one course must be taken from this group (3 to 4 credits)
Management	No more than one course may be taken from this group
Seminar	No more than one course each semester may be taken from this group, for a maximum of two courses in total

Your advisor **must** approve the electives you select to ensure a well-rounded program of study. This is documented by submitted a proposal form to the Systems Engineering program office.

Sample Checklist (standard program)

- SYSEN 5100   4
- SYSEN 5200   3
- CEE 5900   4
- MEng Project   6
- Elective 1   3-4 (M&A)
- Elective 2   3-4 (Applications)
- Elective 3   4
- Elective 4   3
  Total Credit Hours   30