

CornellEngineering

Systems Engineering

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:

<u>Group</u>	<u>Restriction</u>
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
• <u>Elective 4</u>	<u>3</u>
Total Credit Hours	30