

MECHANICAL ENGINEERING MS

Degree Requirements

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (<https://catalogs.northwestern.edu/tgs/academic-policies-procedures/>).

Master's

Total Units Required: 12

(At least five courses excluding MECH_ENG 499-0 Projects/MECH_ENG 512-0 Seminar/MECH_ENG 590-0 Research must be 400-level)

| Course | Title |
|---|-------|
| Unless doing MS with a Specialization, at least one course each from four of the eight subareas: Solids, Fluids/Thermodynamics/Energy, Dynamics/Controls, Design/Manufacturing/Tribology, MEMS/Nanotechnology, Biomedical/Biology, Mathematics/Sciences, Engineering Management | |

MS with Thesis

| | |
|----------------|---|
| MECH_ENG 590-0 | Research (3 units) |
| MECH_ENG 512-0 | Seminar (must be taken in all quarters of full-time registration) |

400-level courses (5 units)

Departmental, MECH_ENG courses listed in graduate handbook (5 units)

MS Non-Thesis

| | |
|----------------|---------------------------------|
| MECH_ENG 499-0 | Projects (independent research) |
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400-level courses (5 units)

Departmental, MECH_ENG courses listed in graduate handbook (7 units)

Other MS Degree Requirements

- **Examinations:** addresses research project
- **Research/Projects:** research report on topic of interest to both student and advisor