

# 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

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