

# MECHANICAL ENGINEERING PHD

---

## 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/>).

### PhD

**Total Units Required: 15**

A total of fifteen (15) course units (excluding project/research units) are required towards the PhD. Nine (9) course units within this 15 course units must satisfy the MS course requirements (including breadth requirement and minimum number of ME/core courses). At least one half (1/2) of the credited course units satisfying the post-MS requirement must be 400-level or above courses.

Registration and regular attendance at the non-credit MECH\_ENG 512-0 Seminar is required for all quarters. Registration for the non-credit MECH\_ENG 513-0 Professional Essentials is required for one quarter within the first two years.

### Other PhD Degree Requirements

- **Examinations:** research qualification exam and dissertation proposal exam prior to admission to candidacy
- **Research/Projects:** research of publishable quality, in close cooperation with faculty advisor, as basis for PhD dissertation
- **PhD Dissertation:** based on research projects
- **Final Evaluations:** oral presentation of dissertation to candidate's advisory committee