

ENGINEERING LEADERSHIP AND INNOVATION MANAGEMENT

Minor

Requirements listed here are in addition to requirements for minors in Graduate Council policies listed under GCAC-600 Research Degree Policies (<http://gradschool.psu.edu/graduate-education-policies/>) and GCAC-700 Professional Degree Policies (<http://gradschool.psu.edu/graduate-education-policies/>).

Successful engineers and technical experts are expected to be well versed not only in technical skills but also in professional skills such as communication, ethics, entrepreneurial thinking, and professionalism. These areas of leadership and innovation set technical experts apart and prepare them to be future global business leaders. This graduate minor is highly relevant to numerous graduate degrees associated with engineering, business, technical, or science related programs. This graduate minor consists of four 3-credit courses (12 credits) for master's students and five 3-credit courses (15 credits) for doctoral students.

Admission Requirements

- Applicants must hold an undergraduate degree in engineering, science, or relevant discipline.
- Applicants must have a 3.0 minimum undergraduate GPA (or equivalent). Exceptions to the minimum 3.0 grade-point average may be made for students with special backgrounds, abilities, and interests, at the discretion of the program.
- Applicants must be accepted and/or currently enrolled in a graduate program at Penn State. Official requests to add a minor to a doctoral candidate's academic record must be submitted to Graduate Enrollment Services prior to establishment of the dissertation committee and prior to scheduling the comprehensive examination.
- Applicants to the Engineering Leadership and Innovation Management (ELIM) minor must submit a Request to Add Graduate Minor form (<http://gradschool.psu.edu/forms-and-documents/ges-owned-forms-and-documents/addgrminorpdf/>).

Minor Requirements

In accordance with Graduate Council policy, a representative from the Graduate Faculty in Engineering Leadership and Innovation Management must be appointed to the dissertation committee of each student enrolled in the doctoral minor in Engineering Leadership and Innovation Management (ELIM).

Master's Minor

The Engineering Leadership and Innovation Management (ELIM) minor (12-credits) is comprised of four courses:

Code	Title	Credits
ENGR 501	Engineering Leadership for Corporate Innovation	3
ENGR 802	Engineering Across Cultures and Nations	3
ENGR 804	Engineering Product Innovation	3
ENGR 405	Project Management for Professionals ¹	3
Total Credits		12

¹ Related courses may be substituted for ENGR 405. Petitions for substitution may be made to the ELIM program office.

Doctoral Minor

The Engineering Leadership and Innovation Management (ELIM) doctoral minor (15-credits) is comprised of five courses:

Code	Title	Credits
ENGR 501	Engineering Leadership for Corporate Innovation	3
ENGR 802	Engineering Across Cultures and Nations	3
ENGR 804	Engineering Product Innovation	3
ENGR 405	Project Management for Professionals ¹	3
500-level elective in a related field ²		3
Total Credits		15

¹ Related courses may be substituted for ENGR 405. Petitions for substitution may be made to the ELIM program office.

² For a doctoral minor a 500-level elective in a related field is required. Students must obtain approval for the elective course from their ELIM advisor in advance of registering.