Applicants must submit the following:

- a personal statement of technical interest, goals, and experience
- test scores from the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) [GRE scores are required for those indicating interest in an assistantship and to be eligible for many graduate fellowship opportunities.]

The language of instruction at Penn State is English. English proficiency test scores (TOEFL/IELTS) may be required for international applicants. See GCAC-305 Admission Requirements for International Students (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-305-admission-requirements-international-students) for more information.

Degree Requirements

Master of Professional Studies (M.P.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Requirements (http://gradschool.psu.edu/graduate-education-policies).

All graduate students in Engineering Management are required to adhere to the requirements of Graduate Council, listed in the link above. These, however, are minimum requirements and the policies, procedures, and regulations listed below are additional and more specific for graduates students pursuing the M.P.S. degree in Engineering Management. Advisers will call pertinent regulations to the attention of their advisees, but it should be understood that it is the student's personal responsibility to see that all requirements listed are satisfied.

The M.P.S. in Engineering Management is a 33-credit graduate program that integrates engineering with business and management principles. The multidisciplinary, broadly based M.P.S. program provides engineers with business and management perspectives to enhance capabilities in management of large projects. Of the 33 credits required for the degree, 30 must be earned in 500-level graduate courses.

### Code | Title | Credits
--- | --- | ---
ACCT 501 | Financial Statement Analysis | 3
EMCH 524A | Mathematical Methods in Engineering | 3
ENGM 511 | Engineering for Energy and the Environment | 3
FINAN 521 | Corporate Finance | 3
MNGMT 511 | Organizational Behavior | 3
MRKT 513 | Marketing Management | 3
SYSEN 505 | Technical Project Management | 3

### Electives

The curriculum requires the completion of two free electives (6 credits) in any of the engineering disciplines. A list of these elective courses is maintained by the graduate program office.

### Culminating Experience

All students are required to complete a culminating experience through a two-course capstone course sequence:

- BUS 588 | Strategic Management | 3
- MFGSE 550 | Design for Manufacturability I | 3

Total Credits: 33

Student Aid

Graduate assistantships available to students in this program and other forms of student aid are described in the Tuition & Funding (http://
Engineering Management (Capital)

gradschool.psu.edu/graduate-funding) section of The Graduate School's website. Students on graduate assistantships must adhere to the course load limits (http://gradschool.psu.edu/graduate-education-policies/gsad/gsad-500/gsad-501-credit-loads-graduate-assistants) set by The Graduate School.

Courses
Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.

Learning Outcomes
1. **KNOW.** Graduates will be able to demonstrate mastery of core principles in engineering management.
2. **CRITICAL THINKING.** Graduates will be able to critically and creatively conceptualize, evaluate and formulate engineering management problems, as well as perform the analyses required for problem definition.
3. **PROBLEM SOLVING.**
   a. Graduates will be able to apply business strategy to solve engineering management problems.
   b. Graduates will be able to apply project management to solve engineering management problems.
4. **COMMUNICATE.** Graduates will be able to effectively communicate project outcomes, such as ideas, requirements, business analyses, findings, and justification for decisions.
5. **ETHICS AND PROFESSIONALISM.** Graduates will be able to demonstrate an understanding of professional and ethical responsibility and conduct themselves accordingly.

Contact

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<thead>
<tr>
<th>Campus</th>
<th>Harrisburg</th>
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<tbody>
<tr>
<td>Graduate Program Head</td>
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| Program Website      | View (https://harrisburg.psu.edu/science-engineering-technology/engineering-science-management/master-professional-studies-engineering-management) |