The Master of Science in Engineering Management at Whiting School of Engineering prepares you to turn your technical expertise into professional success.

Become a leader who makes an impact on the world.

Careers and Job Opportunities

Our program prepares students to lead in technical and non-technical organizations. Graduates have entered fields including project management, research and development, logistics, supply chain, financial technology, finance, venture capital, private equity, consulting, new business development, technical policy, and biotechnology.

Many of our students are entrepreneurially focused and interested in launching a company or joining a startup. Students often begin our program believing they want to enter one field, but broaden their thinking once they are exposed to the wide range of potential careers available to them as MSEM graduates.

"I knew for a fact that all my [Hopkins] management courses would be beneficial overall. The skill sets that I wanted to gain were all covered as part of my management electives."

– Gitika V.

"I would recommend the MSEM program to anyone who wants to expand their engineering-related business knowledge, who is interested in entrepreneurship, who is interested in product development, or who is interested in project management."

– Melanie S.

"Perhaps the most valuable aspect of the MSEM program is the combination of a top-flight education in business topics with the flexibility to choose from a wide range of technical concentrations."

– Erik H.

For further information, contact:

Dr. Pamela Sheff  
Director, Center for Leadership Education  
Director, Masters of Science and Engineering Management Program  
102 Whitehead Hall  
410-516-7056  
pamsheff@gmail.com

Lindsey Conklin  
MSEM Program Manager  
102 Whitehead Hall  
410-516-1108  
msem@jhu.edu

"Perhaps the most valuable aspect of the MSEM program is the combination of a top-flight education in business topics with the flexibility to choose from a wide range of technical concentrations."

– Erik H.

"I knew for a fact that all my [Hopkins] management courses would be beneficial overall. The skill sets that I wanted to gain were all covered as part of my management electives."

– Gitika V.

"I would recommend the MSEM program to anyone who wants to expand their engineering-related business knowledge, who is interested in entrepreneurship, who is interested in product development, or who is interested in project management."

– Melanie S.
Why pursue an MSEM?

A Master of Science in Engineering Management provides the opportunity to cross-develop skills in technology and management, preparing successful graduates for a broad range of professional opportunities. If you want to advance quickly in your chosen field, start your own company or social enterprise, create your own technology, or work in a top consulting firm, an MSEM degree may be right for you.

Why study at Johns Hopkins?

Johns Hopkins’ MSEM sets itself apart from other programs by offering students a small, cohort-centered environment and real-world opportunities, along with professional development and coaching from established leaders in the field. Our program focuses on global, entrepreneurial, and leadership experiences to help students build careers, and our distinguished faculty put their contacts to work to develop long-range opportunities and connections for students.

Our flexible, customizable program and elective options allow students to tailor programs to their interests. In addition to our full-time residential program based on the Homewood campus, the Whiting School also offers an MSEM through the Engineering for Professionals Program; this part-time program is designed for working professionals and offers the advantage of all that Johns Hopkins has to offer.

Why study at Johns Hopkins?

To pursue an MSEM, applicants must:

- Have an accredited bachelor’s degree in a science or engineering discipline (or equivalent)
- Have sufficient prerequisite knowledge to enroll and succeed in the advanced technical courses for their proposed area of concentration (or willingness to enroll in any prerequisites)
- Provide GRE scores, TOEFL/IELTS, transcripts, and other supporting documentation, including recommendations.

Admission Requirements

Each MSEM applicant chooses a technical area of concentration as part of the admissions process. Technical concentrations include:

- Biomaterials
- Chemical & Biomolecular Engineering
- Civil Engineering
- Communications Science
- Computer Science
- Environmental Systems Analysis
- Economics & Public Policy
- Fluid Mechanics
- Materials Science and Engineering
- Mechanical Engineering
- Mechanics and Materials
- Nano-Biotechnology
- Nanomaterials and Nanotechnology
- Operations Research
- Probability and Statistics
- Smart Product and Device Design
- Concentrations in Energy and Cybersecurity are on the way!

Program Structure

On the management side, MSEM offers a project-based, teamwork-focused curriculum. We want all students to have multiple opportunities to gain hands-on experience in the professional world.

Students are required to take five technical courses and the equivalent of five management courses to complete our program. In their first semester, students enroll in the following courses:

- EN.662.611 Strategies: Accounting and Finance
- EN.662.620 Professional Presentations
- EN.663.692 Strategies for Innovation and Growth

Most students couple these with one technical course. In addition, students participate in the MSEM seminar that meets bi-monthly throughout the first year.

In their second semester, students have more time to take additional technical courses. While our program can be completed in one year, we strongly encourage students to commit fifteen to eighteen months to their studies so they may complete a mentored internship and take advantage of all that Johns Hopkins has to offer.

Students who either want or need to be off-campus after their initial year may be able to complete their coursework online through our Engineering for Professionals Program.

The Practice of Consulting Immersion Experience

All MSEM students participate in the Immersion Experience during intersession of the first year. Formally known as The Practice of Consulting, this course consists of a three-week team consulting project, completed either abroad or domestically. This program allows students to apply the skills they learn in the classroom to the real world.

Immersion projects have been held in Baltimore, Honduras, Israel, Panama, and Portugal. In 2019, MSEM students will work on social entrepreneurship projects with students at the Danish Technical University. In the future, we intend to add additional global partners. We believe so strongly in the value of this program that JHU pays the majority of the costs.