ILLINOIS
Engineering
Professional Master’s Programs

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Today’s Focus

• What is a Professional Master of Engineering?
• Professional Master’s Degrees at Illinois
• Application Process
• Student Experience
What is a Professional Master of Engineering?
Professional Master’s in Engineering

- Professionally-oriented program designed for industry preparedness that can be completed in two to three semesters
- Professional degree like an MBA or Law degree
- Receive instruction in advanced-level graduate courses from globally renowned faculty
- Embedded in an institution that is at the cutting edge of industry-relevant research and applications
- Students are typically responsible for paying their tuition
Advantages of a Professional Master’s Degree

• Opportunity to be more competitive in securing an industry position at a higher starting salary

• Fast-track into team leadership position or management track

• Proceed toward graduation in a timely fashion

• Gain professional experience through internships, design projects, and professionally-oriented courses
Illinois is for you
Illinois Professional Master’s Programs

• Bioengineering
• Electrical and Computer Engineering
• Energy Systems
• Financial Engineering
• Mechanical Engineering (also available online)
• Railway Engineering
The Illinois Edge

• Consistently ranked among **TOP 10 U.S. PROGRAMS** by U.S. News & World Report.

• **A COMMUNITY OF DISRUPTIVE INNOVATION** with some 4,500 graduate students and 400+ faculty across 12 departments.

• **80,000 ALUMNI**, including the founders of YouTube, Yelp, Bloom Energy, Flex-n-Gate, PayPal, and Tesla Motors.
Small City. Big Opportunity.

• A smart community with **THIRD-LOWEST COST OF LIVING** among top engineering programs.

• Collocated with a **TECH INCUBATOR AND 100+ COMPANIES** providing opportunities for employment and entrepreneurial support.

• **ENGINE OF ECONOMIC IMPACT** with 100+ university faculty- or student-led start-ups.
Center for Professional and Executive Training and Education

- Academic advising support
- Internship and capstone project opportunities
- Programming to build skills for success in industry
- Career advising
Illini Success

- Students earning degrees from Illinois report having secured a first destination (employment or seeking additional education)
  - 91% of Illinois undergraduates
  - 92% of Illinois Masters
- $77,958 was the average starting salary for master’s graduates
- Over 400+ companies attend the Engineering Career Fair in Fall and Spring Terms
Application Process
Complete the Online Application

- Choose a program and review their application checklist
- Submit a Statement of Purpose
- Submit three Letters of Recommendation
- Submit a Resume
- Submit unofficial Transcripts
- Submit GRE scores when required
- Submit TOEFL or IELTS scores for international students only
- Pay the application fee
Student Experience
“For me, the biggest two factors that I was looking for in a program was freedom of choice in curriculum and focus on preparation for industry; two areas where Illinois shines.”

-- Chris Hillebrand
Favorite features of the program?

• Flexibility in courses
• Professors who are passionate about their fields
• Comradery amongst fellow students
Most Beneficial Parts of Being at Illinois?

• Learn from National Experts in their fields who are happy to answer questions
• Ample opportunities to explore interests further
• Excellent Professional Masters Administration
• Well Diverse Student Body = Lots of Good Food!!
Things I wish I knew before starting?

- Program will fly by!
- Depending on concentration, you may not take many of the same courses as fellow MENG students
- Campus is huge!
Advice for Prospective Students

• Plan everything ahead (before you even arrive to campus)

• Do research on possible opportunities to get involved on campus before starting

• Bring a bike
Capstone Project: Energy Storage Optimization

- Reached out to Professor on Campus prior to starting: Dr. Ben McCall
- Found a project where I took over Project from a previous MENG Student

NiFe Battery Optimization
- High Durability-Low Performance Cell
- Absorbs impurity (Carbonate anion) through regular operation
- Objective: characterize effect of Impurity and determine user friendly method for battery owners to measure it
Internship: Cypress Creek Renewables

• Economic Development Intern
• Focused on performing state-by-state analysis of economic driving forces within region and determined potential profitability for solar development in area
• Earned a true appreciation for the emphasis on maximizing value for large scale solar development
Questions?

College of Engineering Office of Graduate, Professional and Online Programs

http://engineering.illinois.edu/academics/graduate/

College of Engineering Center for Professional and Executive Training and Education

https://professionalmasters.engineering.illinois.edu/