APPLIED ENGINEERING MANAGEMENT, CAPSTONE CERTIFICATE

The Applied Engineering Management capstone certificate is a fully online curriculum designed to enable engineers to successfully lead technical teams. It incorporates fundamental applied management skills such as leadership, data-driven decision-making, and economic analysis for managers. This capstone certificate can be a standalone credential or a stepping stone to the master's degree in Engineering Management, for qualified applicants.

Explore the curriculum for this program (p. 1).

More program information, including current tuition costs, can be found on the program website. (https://interpro.wisc.edu/online-graduate-programs/capstone-certificates/applied-engineering-management/)

HOW TO GET IN

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ADMISSION REQUIREMENTS

- BS degree in engineering from an ABET-approved program.*
- Minimum undergraduate grade point average (GPA) of 2.75 on the equivalent of the last 60 semester hours (approximately two years of work).
  - Applicants from an international institution must have a strong academic performance comparable to a 2.75 for an undergraduate degree. All GPAs are based on a 4.0 scale.
- GRE: Not required but may be considered if available.
- International degree-seeking applicants must demonstrate English proficiency by providing official results of an English proficiency exam. Scores must be within two years of the anticipated start of enrollment.
  - TOEFL internet (iBT) (on or after January 21, 2026): 5.0 out of 6
  - TOEFL (before January 21, 2026): 92 out of 120
  - IELTS: 7.0
  - Duolingo English Test: 125

* Equivalency to an ABET-accredited program: Applicants who do not have bachelor's degree from an ABET-accredited program may also qualify for admission to the program. Such applicants must have a BS in science, technology, or a related field with sufficient coursework and professional experience to demonstrate proficiency in engineering practice.
Contact the Graduate Advisor for more specific admission information at studentservices@interpro.wisc.edu. (https://guide.wisc.edu/nondegree/capstone/applied-engineering-management-capstone-certificate/studentservices@interpro.wisc.edu) For further details about the program, please see the program website (https://interpro.wisc.edu/online-graduate-programs/capstone-certificates/applied-engineering-management/).

Note: Exceptions to standard admission requirements are considered by the admissions committee on an individual basis. Applicants may be admitted with deficiency but will be expected to complete the necessary leveling courses.

ADMISSION

Applications are accepted for admission to all three terms (fall, spring, summer).

- Fall deadline: Aug 1
- Spring deadline: Dec 1
- Summer deadline: June 1

The admissions process has been designed to conduct a holistic review of likely success in the program. Decisions are based on academic and professional background.

Note: University Special Student Services (USSS) is the admitting office for all University Special students. However, the department offering the Capstone Certificate program makes the final admission decision upon review of all applicant materials.

APPLICATION STEPS

1. Submit an online application for admission (https://specialstudents.wisc.edu/apply/) as a University Special student, selecting UNCS Capstone Certificate and the program: Applied Engineering Management. This application is received and processed by University Special Student Services with final decision held for approval from the specific capstone certificate coordinator. Include the following in your application:
   a. Resume/CV that includes educational history and professional experience
   b. Transcripts of all previous college coursework
2. Optional: submit up to two letters of recommendation. Recommenders should use this recommendation form (https://uwmadison.box.com/s/104t5ce1rvo4qaccsbepe1qlwhd1sakw/).
3. After a decision has been made, the Graduate Advisor will contact the applicant by email to inform them of the decision and next steps.

REQUIREMENTS

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GRADE REQUIREMENTS

- Students must complete all courses with a minimum GPA of 2.00 to continue to the next class.

REQUIRED COURSES

Students must complete 9 credits from the following courses.

Code	Title	Credits
E P D 610	Engineering Analysis for Decision Making	3
E P D 611	Engineering Economics and Management	3
E P D 710	Foundations of Engineering Leadership	2
Select one of the following:		1
E P D 605	Fundamentals of Technical Project Management	

E P D 701	Writing for Professionals	
E P D 702	Professional Presentations	
Total Credits		**9**

MINIMUM REQUIREMENTS FOR CAPSTONE CERTIFICATE COMPLETION

- Students must earn a minimum grade of C in each course used to meet Capstone Certificate requirements.
- Courses in which a student elects the pass/fail or audit option will not count toward completion of Capstone Certificate requirements.
- All of the Capstone Certificate credits must be earned "in residence" (which includes on campus and distance-delivered courses) at UW-Madison.
- All of the Capstone Certificate credits must be earned while enrolled in the Capstone Certificate program.

Individual Capstone Certificate programs may have additional requirements for completion, which will be listed above as/if applicable.

LEARNING OUTCOMES

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1. Assess foundational engineering management and leadership qualities/skills.
2. Evaluate nuances of financial decision making and capital budgeting.
3. Apply data analysis tools and decision-making methodology to engineering applications.
4. Implement a plan to intentionally grow skillset in one engineering management area: project management, communications or ethics.