

# FACILITIES ENGINEERING AND MANAGEMENT

<b>Graduate Program Head</b>	Sez Atamturktur
<b>Program Code</b>	FEM
<b>Campus(es)</b>	University Park (M.Eng.)
<b>Degrees Conferred</b>	Master of Engineering (M.Eng.)
<b>The Graduate Faculty</b>	View ( <a href="https://secure.gradsch.psu.edu/gpms/index.cfm?searchType=fac&amp;prog=FEM">https://secure.gradsch.psu.edu/gpms/index.cfm?searchType=fac&amp;prog=FEM</a> )

The Facilities Engineering and Management Masters of Engineering is a master's degree program designed to prepare professionals in the field of facilities management. The program is designed to address the critical need for professionals with relevant expertise in facilities management. It provides broad coverage of topics related to facilities management while providing in-depth coverage of elective topics of the students choosing. Students will take a number of core program courses that provide an in-depth understanding of the role of facilities engineer and facilities manager. A capstone project will be required of all students which will serve to combine the material learned and provide a cumulative educational experience within a semester long project.

## Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (<http://gradschool.psu.edu/prospective-students/how-to-apply>). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (<http://gradschool.psu.edu/graduate-education-policies>).

For admission, an applicant must hold either (1) a bachelor's degree from a U.S. regionally accredited institution with an architectural engineering degree or other cognate discipline or (2) bachelor's degree in an unrelated field with significant experience in facilities management or (3) a postsecondary degree that is equivalent to a U.S. baccalaureate degree earned from an officially recognized degree-granting international institution. Applications must include a statement of purpose, a curriculum vita or resume, and three letters of recommendation. Official records of scores on the Graduate Record Exam (GRE) are also required. In special circumstances, a student may be admitted at the discretion of the program for graduate study without these scores. The department has no established minimum GRE score for applicants.

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-300/gcac-305-admission-requirements-international-students>) for more information.

## Core Application Packet

- Statement of Purpose – A statement of professional experience and goals (up to 500 words)
- Vita or resume
- Three letters of recommendations

- Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) score, if applicable
- Application fee

Applications will be evaluated by the Facilities Engineering and Management admission committee based on the applicants' technical qualifications for the program relative to their previous educational and professional experience and English language proficiency. In general, successful applicants are expected to have earned a GPA of at least 3.0 on a 4.0 scale.

## Degree Requirements

### Master of Engineering (M.Eng.)

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

The Facilities Engineering and Management degree is conferred upon students who earn a minimum of 30 credits at the 400, 500, or 800 level, of which 20 must be earned at the campus/center where the degree program is offered, while maintaining an average grade-point average of 3.0 or better in all course work, including at least 18 credits in graduate courses (500 series), and who complete a quality culminating capstone project in consultation with a graduate adviser. The program curriculum includes:

- 15 credits of core courses,
- 12 credits of electives,
- and a 3-credit capstone project.

Code	Title	Credits
<b>Required Courses</b>		
AE 881	Effective Facility Management and Planning	3
AE 880	Facility Energy Management	3
AE 581	Facilities Management Information Systems	3
AE 531	Legal Aspects of Engineering and Construction	3
AE 572	Project Development and Delivery Planning	3
<b>Elective Courses</b>		
A list of elective courses is maintained by the program office		12
<b>Culminating Experience</b>		
AE 596	Individual Studies (Capstone Project)	3
Total Credits		30

Substitutions for the above prescribed courses, either with resident-education courses, alternate online courses, or courses from other institutions, will be considered on a case-by-case basis, and must be petitioned and approved by the Academic Program Chair, with input from the student's adviser.

## Student Aid

Graduate assistantships available to students in this program and other forms of student aid are described in the Tuition & Funding (<http://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-900/gsad-901-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.

Architectural Engineering (AE) Course List (<https://bulletins.psu.edu/university-course-descriptions/graduate/ae>)

## Contact

<b>Campus</b>	University Park
<b>Graduate Program Head</b>	Sez Atamturktur
<b>Director of Graduate Studies (DGS) or Professor-in-Charge (PIC)</b>	William P Bahnfleth
<b>Program Contact</b>	104 Engineering Unit A University Park PA 16802
<b>Program Website</b>	View ( <a href="https://www.ae.psu.edu">https://www.ae.psu.edu</a> )