

ENGINEERING AND APPLIED SCIENCE

With the exception of the Master of Science in Computer Science, the graduate programs offered by the College of Engineering and Applied Science are college-wide programs, and the responsibility for these programs is vested in the graduate faculty of the College operating via an interdepartmental committee, the Graduate Program Subcommittee (GPSC).

The engineering master's program offered by the College is the Master of Science in Engineering.

The program provides breadth by requiring a program of coursework and depth through participation in research or design synthesis. The research or design synthesis effort is documented in a thesis that is presented and defended by the student at the final degree examination. For those with prior engineering/scientific work experience which includes appropriate report writing, the program offers a non-thesis option which requires additional coursework in lieu of thesis.

Since the program does not require a rigid set of courses, each student, in consultation with faculty, has the flexibility to put together a program of study which is compatible with the student's career objectives. The flexibility of customizing the program of study makes the Master of Science in Engineering Program suitable as a terminal degree as well as a stepping stone for doctoral level study.

Related Certificates

- Certificate in Energy Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/energy-engineering-graduate-certificate/>)
- Certificate in Ergonomics (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/ergonomics-graduate-certificate/>)
- Certificate in Modern Engineering Leadership (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/modern-engineering-leadership-graduate-certificate/>)

Programs

- Energy Engineering, Graduate Certificate (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/energy-engineering-graduate-certificate/>)
- Engineering, MS (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-ms/>)
- Engineering, MS/Urban Planning, MUP (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-ms-urban-planning-mup/>)
- Engineering, MS: Artificial Intelligence and Machine Learning (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-artificial-intelligence-machine-learning-ms/>)
- Engineering, MS: Biomedical Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-biomedical-ms/>)
- Engineering, MS: Civil Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-civil-engineering-ms/>)

- Engineering, MS: Electrical and Computer Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-electrical-and-computer-ms/>)
- Engineering, MS: Energy Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-energy-ms/>)
- Engineering, MS: Engineering Management (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-management-ms/>)
- Engineering, MS: Engineering Mechanics (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-engineering-mechanics-ms/>)
- Engineering, MS: Industrial and Systems Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-industrial-management-ms/>)
- Engineering, MS: Manufacturing Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-manufacturing-ms/>)
- Engineering, MS: Materials Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-materials-ms/>)
- Engineering, MS: Mechanical Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-mechanical-ms/>)
- Engineering, MS: Occupational Biomechanics/Ergonomics (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-occupational-biomechanics-ergonomics-ms/>)
- Engineering, PhD (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-phd/>)
- Engineering, PhD: Biomedical Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-biomedical-engineering-phd/>)
- Engineering, PhD: Civil Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-civil-engineering-phd/>)
- Engineering, PhD: Computer Science (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-computer-science-phd/>)
- Engineering, PhD: Electrical Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-electrical-engineering-phd/>)
- Engineering, PhD: Industrial Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-industrial-engineering-phd/>)
- Engineering, PhD: Materials Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-materials-engineering-phd/>)
- Engineering, PhD: Mechanical Engineering (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/engineering-mechanical-engineering-phd/>)
- Ergonomics, Graduate Certificate (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/ergonomics-graduate-certificate/>)
- Modern Engineering Leadership, Graduate Certificate (<https://catalog.uwm.edu/engineering-applied-science/engineering-applied-science/modern-engineering-leadership-graduate-certificate/>)

Contact Information

Office of Student Services

Engineering and Mathematical Sciences Building, E386