

Civil Engineering, MS

College of Engineering

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The Master of Science in Civil Engineering program provides advanced study and research in the following areas: Environmental/Water Resources, Structures/Geotechnical, Transportation/Regional Development, Construction Management, and Energy Resources/ Systems.

Additional Admission Requirements

Unconditional admission requires undergraduate degree from an ABET accredited Civil Engineering, Architectural Engineering, or Environmental Engineering program

Degree Requirements

Total credit hours: 30

Thesis option

- Core courses (9 credits): CIEN 700, 702, Advanced Mathematics course (CIEN approved)
- CIEN electives (9 credits): Take 9 credits of additional CIEN 600-799 courses with approval of advisor
- Electives (6 credits): Take 6 credits from CIEN 600-799 or other departments with approval of advisor
- Thesis (CIEN 797: 6 credits)
- Pass thesis defense
- CIEN seminar (CIEN 792)

Project option

- Core courses (9 credits): CIEN 700, 702, Advanced Mathematics course (CIEN approved)
- CIEN electives (9 credits): Take 9 credits of additional CIEN 600-799 courses with approval of advisor
- Electives (9 credits): Take 9 credits from CIEN 600-799 or other departments with approval of advisor
- Project (CIEN 796: 3 credits)
- CIEN seminar (CIEN 792)

Course option

- Core courses (9 credits): CIEN 700, 702, Advanced Mathematics course (CIEN approved)
- CIEN electives (9 credits): Take 9 credits of additional CIEN 600-799 courses with approval of advisor
- Electives (12 credits): Take 12 cr. from CIEN 600-799 or other departments with approval of advisor
- Comprehensive exam
- CIEN seminar (CIEN 792)

Systems Engineering Concentration (a course-only option)

- Core courses (9 credits): CIEN 700, 702, Advanced Mathematics course (CIEN approved)
- Systems Engineering Core (9 credits): SYEN 605, 710, 715
- Systems Engineering Electives (9 credits): Take 3 courses from: CIEN 614, 670, 785 (special topics) or other CIEN 600-799 courses with approval of advisor
- Elective (3 credits): Take 3 credits from CIEN 600-799 or other departments with approval of advisor
- CIEN seminar (CIEN 792)