Master of Science in Civil Engineering

Quick Look 2016-2017*
Length of Program: 30 units, 4 semesters part time
Approximate Cost: $833 per unit, $24,990 plus $355 per semester general fee
Program Starts: Fall (September), Spring (January)
Priority Deadline: Application completion dates: Fall- April 1, Spring- November 1
Standard Deadline: Application completion dates: Fall- August 1, Spring- December 1
Program Format: Classes offered Monday thru Thursday late afternoon and evenings
GPA Requirement: 3.0
GRE Requirement: Not required, but please submit if taken

Application Requirements
1. Application for admission with a $45 non-refundable graduate application fee
2. Bachelor of Science Civil Engineering
   OR
   Bachelor’s degree in a non-Civil Engineering discipline with at least 15 undergraduate credits in the areas of environmental engineering, water resources, hydrology and soil mechanics. Bachelor’s degree must be from a regionally accredited institution or the evaluated equivalency
3. Minimum GPA of 3.0. Applicants with a GPA below 3.0 may be considered for admission.
4. Official sealed transcripts from all colleges and universities attended sent attention Graduate Admissions
5. Three recommendations. At least two from academic sources are preferred if you have recently been in an academic setting- otherwise you may use professional references from managers, clients etc. Family and friends may not complete recommendations.
6. Resume or curriculum vitae including up to ten years of professional experience and all postsecondary education
7. Thousand word essay describing your:
   • academic/career goals and interests
   • experience with and interest in research and development
   • readiness for graduate study
   • access to external funding - government fellowships, corporate sponsorships, etc.
8. Successful interview with program director
9. An applicant whose first language is not English and/or does not have a degree from an institution where English is the primary language of instruction is required to demonstrate English language proficiency.

Degree Requirements
30 units

Core Courses 12 units
- EGR 501 Engineering Research & Practice 3
- EGR 503 Applied Engineering Mathematics 3
- STA 513 Applied Statistics or STA 522 Biostatistics 3
- EGR 505 Engineering Research & Development Methods 3

Environmental Concentration 12 units
Required: 6 units
- EGR 541 Environmental Engineering Processes 3
And at least one of the following:
- EGR 543 Environmental Microbiology 3
- CVE 544 Water Chemistry for Environmental Engineers 3
- ENV 450 Environmental Organic Chemistry w/lab 4

Electives 6 units
- EGR 545 Environmental Engineering Laboratory 3
- CVE 546 Environmental Engineering Design 3
- EGR 553 Environmental Engineering I 3
- EGR 554 Environmental Engineering II 3
- EGR 556 Sustainable Civil Engineering 3
- CVE 561 Engineering Sustainable Communities I 3
- CVE 562 Engineering Sustainable Communities II 3
- EGR 567 Special Topics in Environmental Engineering 1-4
- EGR 568 Independent Study in Environmental Engineering 1-3

Thesis/Project 6 units
Complete the following sequence resulting in a research thesis or technical report
- EGR 507 Research & Development 3
- EGR 508 Documentation & Presentation 3

*Requirements and costs subject to revision without notice

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