

Structured Graduate Program for each Research Area in Civil Engineering

Environmental and Geo-environmental Program

(Drs. Apul, Gruden, Heydinger, Kumar, Randolph)

Thesis Option: 21 credit hours of course work and 9 credit hours of thesis.

Project Option: 24-27 credits hours of course work and 3-6 credit hours of project.

Course Work Option: 36 hours of course work. Selection of all courses requires approval from your graduate advisor.

A. Environmental Core (9 credit hours minimum)

1. CIVE 6230 Ground Water Modeling - 3 credit hrs
2. CIVE 6630 Dispersion Modeling - 3 credit hrs
3. CIVE 6640 Environmental Engineering Chemistry - 3 credit hrs
4. CIVE 6900 Environmental Research Methods - 3 credit hrs

Alternatives are possible pending advisor approval.

B. Analysis Core (3 credit hours minimum)

Suggested Courses

1. MIME 6000 Advanced Engineering Mathematics I - 3 credit hrs
2. CIVE 5710 Advanced Engineering System Modeling - 3 credit hrs
3. MATH courses as approved by advisor

Alternatives are possible pending advisor approval.

C. Graduate Research

1. CIVE 6960 Masters Thesis - 9 credit hours.
2. CIVE 6980 Masters Project - 6 credit hours.

D. Environmental Engineering Related Electives (6 credit hour minimum for thesis option and 9 credit hour minimum for project option)

All electives are subject to approval from your graduate advisor.