

Core Courses

Course	Title	Semester Hours
CIV 570	Regional Geological Engineering	3
CIV 571	Principles of Geoenvironmental Engineering	3
CIV 672	Advanced Geomechanics	3
CIV 673	Advanced Foundation Engineering	3

Elective Courses

CIV 520 Advanced Engineering Analysis I. (3 Hours)
CIV 521 Advanced Engineering Analysis II. (3 Hours)
CIV 552 GIS Applications in Civil and Environmental Engineering (3 Hours)
CIV 564 Surface Water (3 Hours)
CIV 565 Wetland Management for Environmental Engineering (3 Hours)
CIV 567 Environmental Remediation (3 Hours)
CIV 568 Land Disposal of Waste (3 Hours)
CIV 572 Applied Geotechnical Engineering Design (3 Hours)
CIV 573 Environmental Geology for Engineers (3 Hours)
CIV 574 Engineering Hydrogeology (3 Hours)
CIV 575 Applied Geological Engineering (3 Hours)
CIV 576 Geological Engineering Analysis (3 Hours)
CIV 577 Airphoto Interpretation for Terrain Evaluation. (3 Hours)
CIV 578 Applied Geophysics (3 Hours)
CIV 579 Engineering Seismology (3 Hours)
CIV 670 Rock Mechanics (3 Hours)
CIV 671 Advanced Topics in Geological Engineering (Variable 1-4 Hours)
CIV 674 Soil Dynamics (3 Hours)
CIV 675 Earth Dams and Slopes (3 Hours)
CIV 676 Tunneling (3 Hours)
CIV 677 Design and Construction with Geosynthetics (3 Hours)
CIV 678 Soil Bioengineering (3 Hours)
CIV 679 Advanced Topics in Geotechnical Engineering (Variable 1-4 Hours)
CIV 695 Scientific Writing Seminar (1 Hour)
CIV 696 Seminar (1 Hour)
CIV 697 Internship (Variable 1-3 Hours)
CIV 698 Independent Study (Variable 1-3 Hours)
CIV 699 Thesis Research (Variable 1-6 Hours)