

Contaminated Site Remediation Certificate to MEng-ENVE Path

Contaminated Site Remediation Certificate Requirements

Technical Core Courses Courses (9 credits)

1. **ENVE 5530** Geoenvironmental Engineering
2. **ENVE 5210** Environmental Engineering Chemistry
3. **ENVE 5252** Environmental Remediation

Technical Elective Courses (3 credits, select 1 course)

1. **ENGR 5212** Engineering Project Planning & Management
2. **ENVE 5320** Quantitative Methods for Engineers or ENGR 5314 Advanced Engineering Mathematics
3. **ENVE 5830** Groundwater Flow and Transport Modeling
4. **ENVE 5240** Biodegradation and Bioremediation
5. **ENVE 5310** Environmental Transport Phenomena
6. **ENVE 5311** Environmental Biochemical Processes
7. **ENVE 5370** Environmental Monitoring
8. **ENVE 5821** Vadose Zone Hydrology

MEng in Environmental Engineering Requirements

MEng Requirements: 4 MEng Core Courses (includes Capstone Project) + 6 Technical Environmental Engineering Courses (30 credits)

MEng Core Courses (12 credits)

1. **ENGR 5311** Professional Communication and Information Management
2. **ENGR 5312** Engineering Project Planning and Management
3. **ENGR 5314** Advanced Engineering Mathematics
4. **ENGR 5315** Capstone Project

Additional MEng Requirements: All 3 technical core courses (these courses would transfer from the Certificate for credit):

Technical Core Courses Courses (9 credits)

5. **ENVE 5530** Geoenvironmental Engineering
6. **ENVE 5210** Environmental Engineering Chemistry
7. **ENVE 5252** Environmental Remediation

Additional MEng Requirements: The 1 technical elective would transfer from the Certificate, and 2 additional courses from the technical electives should be completed (3 from this section if the ENGR 5314 was completed during the certificate):

Technical Elective Courses (3 credits, select 1 course)

8. **ENGR 5212** Engineering Project Planning & Management
9. **ENVE 5320** Quantitative Methods for Engineers or ENGR 5314 Advanced Engineering Mathematics
10. **ENVE 5830** Groundwater Flow and Transport Modeling
11. **ENVE 5240** Biodegradation and Bioremediation
12. **ENVE 5310** Environmental Transport Phenomena
13. **ENVE 5311** Environmental Biochemical Processes
14. **ENVE 5370** Environmental Monitoring
15. **ENVE 5821** Vadose Zone Hydrology

