



College of Engineering, Technology, and Architecture  
**UNIVERSITY OF HARTFORD**

Civil, Environmental, and Biomedical Engineering Department  
**MASTER OF ENGINEERING, Environmental Engineering**

The graduate program stresses applied research for the practicing engineer. The goal is to prepare you to solve more sophisticated design problems that will help you advance in your engineering Career. Small classes promote interaction with the faculty

Course Name	Credit Hours
<b>Core Courses</b>	
CE 609 Advanced Air Quality Engineering	3
CE 610 Hazardous Waste Management	3
CE 612 Advanced Water Quality Engineering	3
<b>Chemistry</b>	
CH 519 Applied Environmental Chemistry	3
<b>Mathematics</b>	
M 517 Applied Engineering Statistics	3
MBA 610 Quantitative Decision Making	
<b>Engineering Management</b>	
EM 601 Engineering Program Management	3
<b>Independent Studies</b>	
CE 600 Independent Studies in Civil Engineering	3
<b>Electives (choose 3 courses)</b>	
CE 502 Groundwater Hydrology	
CE 503 Geographic Information Systems in Practice	
CE 504 Conn. Env. Regulations and Policy	
CE 507 Finite Element Analysis	
CE 509 Pollution Prevention	
CE 523 Engineering Hydrology	
CE 524 Solid Waste Management	
CE 608 Analysis of Environmental Impact	
CH 539 Organic Chemistry for Environmental Engineers	
M 515 Methods of Applied Mathematics I	
EM 600 Engineering and the Corporation	
Any approved graduate course	
<b>PROGRAM TOTALS:</b>	<b>30</b>

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**Research Topics and Projects**

Remote Sensing  
Geographical Information Systems  
Surface Water Modeling  
Watershed Modeling  
Aeration and Mass Transfer  
Analysis and Design of Structures

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