Environmental

Master of Engineering: 30 Credits or 10 Courses

Students earning a Master of Engineering degree in Environmental Engineering must complete seven core courses and three technical electives. Courses are offered through the Department of Chemical and Biomolecular Engineering , Department of Civil and Environmental Engineering, and Department of Mechanical Engineering, of which students select one to serve as their major department for advising. There is no research or thesis required for this degree.

Graduate Certificate in Engineering: 12 credits or 4 courses

Students pursuing a Graduate Certificate in Engineering must complete four of the following courses:

- **ENPM621** Heat Pump and Refrigeration Systems Design Analysis
- **ENPM622** Energy Conversion I – Stationary Power
- **ENPM623** Control of Combustion Generated Air Pollution
- **ENPM624** Renewable Energy Applications
- **ENPM625** Heating, Ventilation, and Air-Conditioning of Buildings
- **ENPM626** Waste to Energy Conversion
- **ENPM627** Environmental Risk Analysis
- **ENPM635** Thermal Systems Design Analysis
- **ENPM651** Heat Transfer for Modern Applications
- **ENPM653** Environmental Law for Engineers and Scientists
- **ENCE736** Theory of Aqueous and Solid Waste Treatment and Disposal

Environmental Core Courses (choose seven):
ENCE630 Environmental and Water Resource Systems I
ENPM621 Heat Pump and Refrigeration Systems Design Analysis
ENPM622 Energy Conversion I - Stationary Power
ENPM623 Control of Combustion Generated Air Pollution
ENPM624 Renewable Energy Applications
ENPM625 Heating, Ventilation and Air Conditioning of Buildings
ENPM626 Waste to Energy Conversion
ENPM627 Environmental Risk Analysis
ENPM635 Thermal Systems Design Analysis
ENPM636 Unit Operations of Environmental Engineering
ENPM651 Heat Transfer for Modern Application
ENPM653 Environmental Law for Engineers and Scientists
Environmental Technical electives (choose three):
ENPM809N Urban Stormwater Management
Additional electives must be approved by an advisor.

Preliminary 10-Course Plan

Environmental

Name:	Date:
UID:	

Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit