# Master of Sustainable Energy and Environmental Management

The Master of Sustainable Energy and Environmental Management (MSEEM) curriculum is a multidisciplinary program with courses taught in schools across Georgia Tech including Public Policy, Business, City and Regional Planning, Civil and Environmental Engineering, and Economics, among others. MSEEM can be completed either full time (4-4-2 courses in a single year) or part time (2-2-1 courses each year for 2 years).

### Program of Study

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PUBP 6312</td>
<td>Economics of Environmental Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUBP 8803</td>
<td>Special Topics (Sustainable Energy and Environmental Management Policy and Management)</td>
<td>3</td>
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<tr>
<td>Professional Paper</td>
<td></td>
<td>6</td>
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<tr>
<td>Electives 1</td>
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### Quantitative Methods

- PUBP 6114 Applied Policy Methods and Data Analysis
- PUBP 6218 Quantitative Models in Public Policy
- PUBP 6530 Introduction to Geographic Information Systems
- PUBP 8200 Advanced Research Methods I
- PUBP 8205 Advanced Research Methods II
- PUBP 8803 Special Topics (Cost Benefit Analysis)
- PUBP 8813 Special Topics (Big Data & Public Policy)
- CETL 6490 Advanced Environmental Data Analysis
- CP 6541 Environmental Analysis Using GIS
- MGT 6203 Data Analytics in Business
- MSE 6759 Materials in Environmentally Conscious Design and Manufacturing

### Sustainable Energy & Environmental Management

- PUBP 6300 Earth Systems
- PUBP 6310 Environmental Issues
- PUBP 6326 Environmental Values and Policy Goals
- PUBP 6327 Sustainability and Environmental Policy
- PUBP 6330 Environmental Law
- PUBP 6350 Energy Policy & Markets
- PUBP 6701 Energy Technology Policy
- PUBP 8803 Special Topics (Environmental Finance)
- PUBP 8803 Special Topics (Sustainability & Environmental Policy)
- PUBP 8803 Special Topics (Smart Cities)
- PUBP 8833 Special Topics (Utility Regulation & Policy)
- AE Special Topics (Energy Efficiency & 4803/8803 Environmental Impacts)
- ARCH 6531 Environmental Systems I
- BC 6002 Issues in Sustainable Construction Technology
- BC 6731 Zero Energy Housing
- CEE 4300 Environmental Engineering Systems
- CEE 4395 Environmental Systems Design Project
- CEE 4620 Environmental Impact Assessment
- CEE 6314 Fundamentals of Environmental Modeling and Mathematics
- CEE 6345 Sustainable Engineering
- CEE 6390 Air Pollutant Formation and Control
- CEE 6625 Transportation, Energy, and Air Quality
- CEE 6790 Air Pollution Physics and Chemistry
- CHBE Special Topics (Chem Eng of Energy Systems) 4803/8803
- CHEM 8833 Special Topics in Organic Chemistry (Fundamentals & Challenges for a Sustainable Chemical Enterprise)
- CP 6190 Introduction to Climate Change Planning
- CP 6213 Urb Env Plan & Design
- CP 6214 Environmental Planning and Impact Assessment
- CP 6217 Climate Change and the City
- CP 6233 Sustainable Urban Development
- EAS 6132 Introduction to Climate Change
- EAS 6135 Introduction to Complex Environmental Systems
- EAS 8803 Special Topics (Climate & Global Change)
- EAS 8803 Special Topics (Environmental Geochemistry)
- ECON 6380 Economics of Natural Resources and the Environment
- ECON 7032 Macroeconomics of Innovation
- HTS 6116 The Environment in World History
- INTA 8803 Special Topics (Energy & International Security)
- MGT 6369 Sustainable Business Practicum
- MGT 6359 Business Strategies For Sustainability
- ME 6759 Materials in Environmentally Conscious Design and Manufacturing

### Policy & Management

- PUBP 6010 Ethics, Epistemology, and Public Policy
- PUBP 6012 Fundamentals of Policy Processes
- PUBP 6017 Public Management
- PUBP 6018 Policy Implementation and Administration
- PUBP 6116 Microeconomics for Policy Analysis
- PUBP 6118 Public Finance Policy
- PUBP 6201 Public Policy Analysis
- PUBP 6221 Policy and Program Evaluation
- PUBP 6314 Policy Tools for Environmental Management
- PUBP 6326 Environmental Values and Policy Goals
- PUBP 6327 Sustainability and Environmental Policy
- PUBP 6330 Environmental Law
- PUBP 6350 Energy Policy & Markets
- PUBP 6701 Energy Technology Policy
- PUBP 8540 Advanced Environmental Policy
- PUBP 8813 Special Topics (Climate Change Policy)
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<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>CP 6223</td>
<td>Policy Tools for Environmental Management</td>
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<tr>
<td>CP 6261</td>
<td>Environmental Law</td>
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Total Credit Hours 30

1 Hours must include two (2) quantitative courses, three (3) SEEM courses, and one (1) policy & management course.

Other program guidelines:

- All courses must be taken on a letter-grade basis.
- All courses used to satisfy the course requirements must be completed with a grade of C (2.00) or better.
- A maximum of 3 credit hours of transfer credit may be used to satisfy the course requirements. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.