Plan of Study

All students will complete the following required Gordon Engineering Leadership coursework

**Gordon Engineering Leadership Program (16 Semester Hours Total)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENLR 5121</td>
<td>Engineering Leadership 1</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 5122</td>
<td>Engineering Leadership 2</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 5131</td>
<td>Scientific Principles of Engineering 1</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 5132</td>
<td>Scientific Principles of Engineering 2</td>
<td>2</td>
</tr>
<tr>
<td>ENLR 7440</td>
<td>Engineering Leadership Challenge Project 1</td>
<td>4</td>
</tr>
<tr>
<td>ENLR 7442</td>
<td>Engineering Leadership Challenge Project 2</td>
<td>4</td>
</tr>
</tbody>
</table>

**Students will also complete coursework listed below**

**Energy and Environment**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVE 7272</td>
<td>Air Quality Management</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 5670</td>
<td>Sustainable Energy: Materials, Conversion, Storage, and Usage</td>
<td></td>
</tr>
</tbody>
</table>

Students pursing this degree must complete 16 Semester Hours of Gordon Program coursework and 20 Semester Hours of coursework in Engineering and Public Policy.
Environmental Systems Modeling (Complete 4 semester hours from the following)
CIVE 5275  Life Cycle Assessment of Materials, Products, and Infrastructure  4
CIVE 7388  Special Topics in Civil Engineering (Agent-Based Modeling)
CIVE 5261  Dynamic Modeling for Environmental Investment and Policy Making

Economics  (Complete 4 semester hours from the following)
PPUA 5260  Ecological Economics  4
ECON 7210  Applied Microeconomic Policy Analysis
LPSC 6313  Economic Analysis for Law, Policy, and Planning

Public Policy and Analysis (Complete 4 semester hours from the following)
LPSC 7311  Strategizing Public Policy  4
PPUA 6506  Techniques of Policy Analysis
PPUA 6509  Techniques of Program Evaluation

Statistics (Complete 4 semester hours from the following)
CIVE 7100  Applied Time Series and Spatial Statistics  4
IE 6200  Engineering Probability and Statistics
IE 7280  Statistical Methods in Engineering
LPSC 7215  Advanced Quantitative Techniques

Contact

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