The following Civil Engineering (CVEN) courses are available for Ph.D. students in Construction Engineering and Management. Coursework included in the Degree Plan must be approved by the degree candidate’s advisory committee.

### CVEN Courses in Construction Engineering and Management

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Frequency Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVEN 639</td>
<td>Methods Improvement for Construction Engineers</td>
<td>Annually</td>
</tr>
<tr>
<td>CVEN 641</td>
<td>Construction Engineering Systems</td>
<td>Annually</td>
</tr>
<tr>
<td>CVEN 643</td>
<td>Advanced Construction Methods</td>
<td>Alternate Years</td>
</tr>
<tr>
<td>CVEN 644</td>
<td>Project Risk Management</td>
<td>Annually</td>
</tr>
<tr>
<td>CVEN 654</td>
<td>Design and Analysis of Construction Engineering Operations</td>
<td>Annually</td>
</tr>
<tr>
<td>CVEN 661</td>
<td>Research Methods for Civil Engineers</td>
<td>Alternate Years</td>
</tr>
<tr>
<td>CVEN 668</td>
<td>Advanced EPC Project Development</td>
<td>Annually</td>
</tr>
<tr>
<td>CVEN 689</td>
<td>Durability &amp; Service Life of Structural Systems</td>
<td>Alternate Years</td>
</tr>
<tr>
<td>CVEN 689</td>
<td>Engineering Risk Analysis</td>
<td></td>
</tr>
<tr>
<td>CVEN 689</td>
<td>Methods of Assessing Structural System Performance</td>
<td>Alternate Years</td>
</tr>
<tr>
<td>CVEN 691</td>
<td>Research</td>
<td>Annually</td>
</tr>
</tbody>
</table>

### Other CVEN Courses

**General**
- CVEN 614 - Stabilization of Soil-Aggregate Systems
- CVEN 615 - Structural Design of Pavements
- CVEN 621 - Advanced Reinforced Concrete Design
- CVEN 622 - Properties of Concrete
- CVEN 624 - Infrastructure Engineering and Management
- CVEN 626 - Roadside Safety Design
- CVEN 637 - Rigid Pavement Analysis and Design
- CVEN 667 - Slope Stability and Retaining Walls
- CVEN 689 - Cementitious Materials
- CVEN 689 - Concrete Microstructure, Behavior and Restoration

**Other**
Other relevant CVEN courses as recommended by advisory committee and departmental requirements

### Courses Outside CVEN

- **Construction Science**
  - COSC 628 - Applications of Construction Law

- **Marketing**
  - MGKT 621 - Survey of Marketing

- **Management**
  - MGMT 655 - Survey of Management

- **Accounting**
  - ACCT 640 - Accounting Concepts and Procedures I

- **Finance**
  - FINC 635 - Financial management for Non-Business

- **Statistics**
  - STAT 601 - Statistical Analysis
  - STAT 602 - Statistical Methods of Regression Analysis
  - STAT 606 - Design of Experiments
  - STAT 615 - Stochastic Processes
  - STAT 632 - Statistical Decision Theory

- **Other**
  Other relevant graduate courses as recommended by advisory committee and departmental requirements

### Contact Information

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