# Civil Engineering Minor

## Minor in Civil Engineering

Admission to the Joint Engineering program is required. A minimum of 18 credit hours in Joint Civil Engineering courses and Engineering courses are required.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 2310</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>J M ENGR 2410</td>
<td>Mechanics of Deformable Bodies</td>
<td>3</td>
</tr>
<tr>
<td>J M ENGR 3700</td>
<td>Fluid Mechanics</td>
<td>3</td>
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</tbody>
</table>

Take at least three courses from one of the tracks below: 9

### Structures

- J C ENGR 2160 Surveying
- J M ENGR 3360 Material Science for J C ENGR
- J C ENGR 3410 Structural Analysis
- J C ENGR 3420 Structural Design
- J C ENGR 4630 Design of Steel Structures
- J C ENGR 4660 Advanced Design of Concrete Structures

### Water Resources/Environmental

- J C ENGR 3520 Water and Wastewater Treatment
- J C ENGR 3760 Hydraulic Engineering
- J C ENGR 4830 Fundamentals of Surface Water Hydrology and Environmental Engineering
- J C ENGR 4740 Economic Decisions in Engineering

### Transportation

- J C ENGR 2160 Surveying
- J C ENGR 3460 Transportation Engineering
- J C ENGR 4600 Highway and Traffic Engineering

### Geotechnical

- GEOL 1001 General Geology
- J C ENGR 2160 Surveying
- J M ENGR 3360 Material Science for J C ENGR
- J C ENGR 4190 Soil Mechanics
- J C ENGR 4640 Foundation Engineering
- J C ENGR 4740 Economic Decisions in Engineering

### Construction Management

- J C ENGR 2160 Surveying
- J C ENGR 4720 Legal Aspects of Construction
- J C ENGR 4730 Construction Operations and Management
- J C ENGR 4740 Economic Decisions in Engineering

**Total Hours** 18