Civil Engineering, Minor

Civil Engineering minors are educated to understand the basic principles of civil engineering. Civil Engineering minors can work in fields related to the management and planning of civil infrastructure including structures, roads, traffic controls, water and wastewater systems and construction operations. Marquette Civil Engineering minors typically go on to work for municipalities and other government organizations, regulatory agencies and industries.

Civil Engineering Minor

The Department of Civil and Environmental Engineering offers a minor in civil engineering to all undergraduate students in the university except those students in civil or environmental engineering. Completion of the minor is noted on the student’s transcript if the following requirements are met:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEEN 2110</td>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>GEEN 2130</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 3320</td>
<td>Civil Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 3320</td>
<td>Fluid Mechanics</td>
<td>3</td>
</tr>
</tbody>
</table>

Twelve additional hours from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEEN 2320</td>
<td>Introduction to Civil Infrastructure, Geo-Spatial and Environmental Modeling</td>
<td>12</td>
</tr>
<tr>
<td>CEEN 3160</td>
<td>Geotechnical Engineering</td>
<td></td>
</tr>
<tr>
<td>CEEN 3410</td>
<td>Structural Analysis</td>
<td></td>
</tr>
<tr>
<td>CEEN 3510</td>
<td>Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>CEEN 3610</td>
<td>Transportation Engineering</td>
<td></td>
</tr>
<tr>
<td>CNEN 3810</td>
<td>Introduction to Construction Management</td>
<td></td>
</tr>
</tbody>
</table>

Additional needed credits from any upper-division CEEN course. 3

Total Credit Hours: 27

The program, as a whole, must have departmental approval and be completed with a C average. At least half of these credit hours must be taken at Marquette University.

University Policies

- Academic Advising (https://bulletin.marquette.edu/policies/academic-advising/)
- Academic Censure - Undergraduate (https://bulletin.marquette.edu/policies/academic-censure/undergraduate/)
- Academic Integrity (https://bulletin.marquette.edu/policies/academic-integrity/)
- Academic Misconduct (https://bulletin.marquette.edu/policies/academic-misconduct-policy/)
- Academic Program Definitions (https://bulletin.marquette.edu/policies/academic-programs-defined/)
- Academic Standing (https://bulletin.marquette.edu/policies/academic-standing/)
- Accelerated Degree Programs (https://bulletin.marquette.edu/policies/accelerated-degree-programs/)
- Advanced Standing Credit - Undergraduate (https://bulletin.marquette.edu/policies/advanced-standing-undergraduate/)
- Attendance - Undergraduate (https://bulletin.marquette.edu/policies/attendance/undergraduate/)
- Audit - Undergraduate (https://bulletin.marquette.edu/policies/audit/)
- Awarding Diplomas and Certificates (https://bulletin.marquette.edu/policies/awarding-diplomas-certificates/)
- Background Checks, Drug Testing (https://bulletin.marquette.edu/policies/background-checks-drug-testing/)
- Class Rank (https://bulletin.marquette.edu/policies/class-rank/)
- Classification - Undergraduate (https://bulletin.marquette.edu/policies/classification-undergraduate/)
- Commencement (https://bulletin.marquette.edu/policies/commencement/)
- Conferral of Degrees and Certificates (https://bulletin.marquette.edu/policies/conferral-degrees-certificates/)
- Course Levels (https://bulletin.marquette.edu/policies/course-levels/)
- Credit Hour (https://bulletin.marquette.edu/policies/credit-hour/)
- Credit Load - Undergraduate (https://bulletin.marquette.edu/policies/credit-load/undergraduate/)
- Examinations (Midterm and Final) - Undergraduate (https://bulletin.marquette.edu/policies/examinations-midterm-final-undergraduate/)
- Faculty Grading (https://bulletin.marquette.edu/policies/faculty-grading/)
- Family Education Rights and Privacy Act-FERPA (https://bulletin.marquette.edu/policies/ferpa/)
College of Engineering Policies

- Grade Appeals (https://bulletin.marquette.edu/policies/grade-appeals/)
- Grading System - Undergraduate and Health Science Professional (https://bulletin.marquette.edu/policies/grading-system/undergraduate-healthscienceprofessional/)
- Graduation - Undergraduate (https://bulletin.marquette.edu/policies/graduation/undergraduate/)
- Immunization and Tuberculosis Screening Requirements (https://bulletin.marquette.edu/policies/immunization-and-tuberculosis-screening/)
- Last Date of Attendance/Activity (https://bulletin.marquette.edu/policies/last-dateof-attendance-activity/)
- Major and Minor Declaration - Undergraduate (https://bulletin.marquette.edu/policies/major-declaration/)
- Medical Withdrawal (https://bulletin.marquette.edu/policies/medical-withdrawal/)
- Military Call to Active Duty or Training (https://bulletin.marquette.edu/policies/militarycall-active-duty-training/)
- Non-Degree Undergraduate Students (https://bulletin.marquette.edu/policies/non-degree-undergraduate-students/)
- Readmission - Undergraduate (https://bulletin.marquette.edu/policies/readmission/)
- Registration - Undergraduate (https://bulletin.marquette.edu/policies/registration/undergraduate/)
- Repeated Courses - Undergraduate (https://bulletin.marquette.edu/policies/repeated-courses/undergraduate/)
- Second Language Course Placement - Undergraduate (https://bulletin.marquette.edu/policies/second-language-course-placement-undergraduate/)
- Second/Additional Bachelor Degree (https://bulletin.marquette.edu/policies/second-additional-bachelor-degree/)
- Student Data Use and Privacy (https://bulletin.marquette.edu/policies/student-data-use-privacy/)
- Study at Other Institutions - Undergraduate (https://bulletin.marquette.edu/policies/study-institutions/)
- Transcripts-Official (https://bulletin.marquette.edu/policies/transcripts-official/)
- Transfer (Internal) to Another Undergraduate College within the University (https://bulletin.marquette.edu/policies/transfer-internal-another-undergraduate-college-within-university/)
- Transfer Course Credit - Undergraduate (https://bulletin.marquette.edu/policies/transfer-course-credit-policy/undergraduate/)
- Withdrawal - Undergraduate (https://bulletin.marquette.edu/policies/withdrawals/undergraduate/)

College of Engineering Policies

- Absence from Final Exams, Incomplete (I) Grade (https://bulletin.marquette.edu/engineering/policies/absence-finals-incomplete-grade/)
- Academic Dismissal/Probation/College Academic Alert (CAA) (https://bulletin.marquette.edu/engineering/policies/dismissal-probation-college-alert/)
- Academic Integrity (https://bulletin.marquette.edu/engineering/policies/academic-integrity/)
- Academic Load (https://bulletin.marquette.edu/engineering/policies/academic-load/)
- Accreditation (https://bulletin.marquette.edu/engineering/policies/accreditation/)
- Admission Requirements (https://bulletin.marquette.edu/engineering/policies/admission-requirements/)
- Articulation Agreements (https://bulletin.marquette.edu/engineering/policies/articulation-agreements/)
- Course and Grade Limitations (https://bulletin.marquette.edu/engineering/policies/course-grade-limitations/)
- Credit/No Credit (CR/NC) Grading Option (https://bulletin.marquette.edu/engineering/policies/credit-no-credit-grading-option/)
- Curriculum Substitution and/or Allowance Petition (https://bulletin.marquette.edu/engineering/policies/curriculum-substitution-allowance-petition/)
- Dean's List (https://bulletin.marquette.edu/engineering/policies/deans-list/)
- Degrees Offered (https://bulletin.marquette.edu/engineering/policies/degrees-offered/)
- Electives (https://bulletin.marquette.edu/engineering/policies/electives/)
- Grade Appeals for Engineering Courses (https://bulletin.marquette.edu/engineering/policies/grade-appeals-engineering-courses/)
- Repeating Courses (https://bulletin.marquette.edu/engineering/policies/repeating-courses/)
- Simultaneous Enrollment in Two Academic Programs (https://bulletin.marquette.edu/engineering/policies/simultaneous-enrollment-two-academic-programs/)
- Transfer Credit from Other Programs (https://bulletin.marquette.edu/engineering/policies/transfer-credit-programs/)
- Undergraduate Independent Study (https://bulletin.marquette.edu/engineering/policies/undergraduate-independent-study/)