Computer Engineering, Minor

The computer engineering minor provides a solid foundation in computer engineering fundamentals, including a comprehensive study of computer software and hardware systems.

Computer Engineering Minor

The Department of Electrical and Computer Engineering offers a minor in computer engineering to undergraduate students in the university except those students in computer engineering. Completion of the minor is noted on the student’s transcript if the following requirements are met. A minimum of twenty-four hours including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 1610</td>
<td>Introduction to Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>EECE 2001</td>
<td>Fundamentals of Electric Circuits</td>
<td>3</td>
</tr>
<tr>
<td>EECE 2015</td>
<td>Circuits Laboratory 1</td>
<td>1</td>
</tr>
<tr>
<td>EECE 2030</td>
<td>Digital Electronics</td>
<td>3</td>
</tr>
<tr>
<td>COSC 2100</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>COEN 2610</td>
<td>Software Methodologies</td>
<td>3</td>
</tr>
<tr>
<td>COEN 2710</td>
<td>Microprocessors</td>
<td>3</td>
</tr>
<tr>
<td>EECE 3015</td>
<td>Introduction to Microcontrollers Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>COEN 4800</td>
<td>Networks and Security</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 24

At least half of these credit hours must be taken at Marquette University and a grade of C or better must be earned in each course for the minor.

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/)
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- 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/)
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- Credit Load - Undergraduate (https://bulletin.marquette.edu/policies/credit-load/undergraduate/)
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- Family Education Rights and Privacy Act-FERPA (https://bulletin.marquette.edu/policies/ferpa/)
- 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/)
Computer Engineering, Minor

• 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/military-call-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/)
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• 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/)
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• 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/)