



Guidance for Prospective Engineering Students

College of Science & Math: The Department of Engineering

Electrical Engineering (EE) and Computer Engineering (CE) are two majors that may be perfect for students who possess strong math and natural and physical science skills. Students who major in either of these fields of engineering are not only interested in putting things together, but are also interested in understanding how systems work, troubleshooting, and problem solving.

Engineering is the boundary between science and the real world. Be mindful of [course sequencing policies](#) and potential consequences of [repeating courses](#). Direct these types of inquiries to Administrative Assistant Natachia Kotomori (Natachia.Kotomori@umb.edu).

The EE and CE programs have high eligibility standards and admission is subject to approval by Dr. Abdullah Eroglu, Engineering Department Chair. An unofficial transcript or PDF degree audit should be sent to Dr. Abdullah upon completion of Math 140 (Calculus) with a grade of C- or better. If students are applying to Engineering with only Math 130 (Precalculus) completed, grades should be an A- or better. Completion of lab science courses such as Physics, Chemistry, or Biology are also preferred. Once approved for admission into the program, students should fill out the Registrar's [Program Add/Change Form](#).

Please meet with any Academic & Career Advisor from the Academic & Career Engagement & Success Office (umb.edu/aces) for academic planning and exploration of contingency for parallel plans. Students who do not get accepted often find meaningful alternative pathways to meet their academic and professional goals. Additionally, Susan will be available to support students who are interested in Mechanical and Civil Engineering, as these programs are not offered at UMass Boston.

Both EE and CE programs are currently [ABET](#) accredited.

Visit the [Engineering Department's website](#) to learn about the EE and CE curriculum and academic expectations. Engineering majors are required to complete a number of upper-level math courses, including Math 141, Math 242, and Math 260. Students not yet in the Engineering program may also complete Engineering 103 as a replacement for Engineering 104. While this is a four-year degree, many students often take more time to finish due to the rigor of the courses.

To learn more information about advising and courses within the Engineering majors, please visit the [Engineering Advising Manual](#).

Careers in Engineering

Please visit [this link](#) for potential careers in the Engineering field.

Eligibility Criteria and Application Materials

- Grade of C- or better in Math 140 OR grade of A- or better in Math 130
- Recommended completion of a lab science with strong grades
- Send unofficial transcript or PDF degree audit to Dr. Eroglu care of Natachia.Kotomori@umb.edu