



**GENERAL COLLEGE REQUIREMENTS –EFFECTIVE FALL 2015 FOR CROSS-CAMPUS STUDENTS**

This document outlines the minimum requirements for admission consideration to a degree program in the College of Engineering (CoE). Admission is competitive and dependent on program capacity. The admissions committee considers applicants’ grades/grade trends, academic rigor, and personal statement. **Meeting minimum requirements does not guarantee admission to a CoE degree program.**

Cross-campus students may apply a maximum of two times, so long as they have earned 80 or fewer credits at time of application, (excluding AP/IB/CLEP/A-Level credits, credits awarded by exam, retro credits, and credits in-progress/completed during the current semester).

- A. 24 credits completed at UW-Madison, including at least one full-time (12 credit hour) semester. Special topics, independent study, seminar, pass/fail, and credit/no credit courses will not be included in the 24 credits, except for InterEGR 110 and English as a Second Language courses.
- B. General Education Communications Part A (Comm A) requirement taken on a graded basis at UW-Madison. If the Comm A requirement has been satisfied through placement test, AP/IB, or transfer credit, then a liberal studies course of at least 3 credits (breadth designation of Humanities, Literature, or Social Sciences) must be taken on a graded basis at UW-Madison.
- C. Math course sequence through Math 222 or Math 276
- D. Four core courses, required for engineering degree programs (majors), completed at UW-Madison, as defined below:
  - 1. **Math:** A minimum of two math courses numbered 217 or above; or one math course 300 level or above. If the math requirement for the degree program (major) is complete or the student has completed the calculus sequence through Math 234, then additional math courses numbered 217 or above or additional courses from the science requirement in Regulation D.2. can be taken to complete the four core course requirement. Excludes Math 228, Math 473, special topics, independent study, seminar, pass/fail, and credit/no credit courses.
  - 2. **Science:** A minimum of two science courses required for engineering degree programs (majors) as defined in the table below. If the math and science requirements for the degree program are complete, then departmental engineering courses 200 level and above can be taken to complete the four core course requirement. Excludes EPD, InterEGR, special topics, independent study, seminar, pass/fail, and credit/no credit courses.

Degree Programs (Majors)	Core Science Course Requirements
Biomedical Engineering Chemical Engineering	(i) one course must be Chemistry 104 or higher (ii) one course must be Physics 201/EMA 201 or higher <i>If above two requirements are completed, select from additional science courses below.</i>
Civil Engineering Computer Engineering Electrical Engineering Engineering Mechanics Engineering Physics Geological Engineering Industrial Engineering Materials Science and Engineering Mechanical Engineering Nuclear Engineering	(i) one course must be either Chemistry 104 or higher OR Physics 201/EMA 201 or higher  (ii) one other science course, from the following: <ul style="list-style-type: none"> <li>• Chemistry, all classes</li> <li>• EMA 201 , EMA 202, ME 240</li> <li>• Physics 201 and above</li> <li>• calculus-based Statistics 224 and above</li> <li>• EP 271</li> <li>• Computer Sciences 200 and CS 300 or above, excluding CS 304</li> <li>• excludes special topics, independent study, seminar, pass/fail, and credit/no credit courses</li> </ul>

- E. All graded UW-Madison courses referenced in D.1. and D.2. above and any departmental engineering courses level 200 or above will be counted in the Core GPA (excludes EPD, InterEGR, special topics, independent study, and seminar courses). All graded UW-Madison courses count in the Overall GPA. For one and only one of these core courses that a student has repeated, the more recent of the two grades will be used in the calculation of Core and Overall GPAs for admission purposes. Students may not be considered for admission if on academic probation for GPA reasons at time of review.