First-Year Engineering Requirements as part of General College Requirements:

To continue in a College of Engineering (CoE) degree program after direct admission or to be considered for admission to a CoE degree program after enrollment at UW-Madison as part of another engineering classification, students must complete the following requirements after two semesters of residency at UW-Madison:

1. Complete at least four core courses at UW-Madison, as follows (all math and science courses as qualified below will constitute the core GPA); all courses must satisfy requirements for selected degree program:
   a. **Math**: A minimum of two math courses 217 or above (excludes math 228 and math 473); or one math 300 level or above required for selected degree program; not including special topics, independent study or seminar courses.*
   b. **Science**: A minimum of two science courses required for selected degree program as shown below.
      For students continuing or seeking admission in Chemical Engineering or Biomedical Engineering:
      (i) one course must be chemistry 104 or higher**
      (ii) one course must be physics 201/EMA 201 or higher**
      For students continuing or seeking admission to other undergraduate degree programs in the CoE:
      (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**:
          • chemistry, all classes
          • EMA 201, EMA 202, ME 240
          • physics 201 and above
          • calculus-based statistics 224 and above
          • EP 271
          • computer sciences 301 or above, excluding CS 304
          • not including special topics, independent study or seminar courses.
   c. For one and only one of these courses that a student has repeated, the more recent of the two grades will be used in the calculation of core and overall GPAs.
   d. **Core GPA**: All UW-Madison courses referenced in (a) and (b) above and any departmental engineering courses 200 or above taken (not including special topics, EPD, InterEGR, independent study or seminar courses) will be counted in the core GPA.

2. Complete the General Education Communications Skills Part A requirement (placement test, AP/IB or transfer credit may be used). If Comm. A is completed prior to attending UW-Madison, then a liberal studies course of at least 3 credits (with a breadth designation of H, L, S, or Z) must be taken on a traditional graded basis at UW-Madison. Independent studies and seminar courses may not be included.

3. Complete an Introduction to Engineering course (InterEGR 102, 103, 111, 160; ECE 252: GLE 171, NavSci 301).

4. Successful completion of math through math 222 or math 276

5. At least 24 credits including English as a Second Language courses if needed, completed at UW-Madison. Independent study, special topics, seminar courses, pass/fail or credit/no credit courses will not be included in the 24 credits.

6. After two semesters of residency at UW-Madison, for students to continue within a CoE degree granting program or to move from EGR to a degree granting program, students must meet Core and Overall GPAs as defined by departmental curricula and must not be on academic probation for GPA reasons at time of consideration.

7. Students who are making satisfactory progress but do not meet above requirements in two semesters may apply for a one-semester extension up to their fourth semester. Extensions will be considered only in cases where it is mathematically possible during the extension to meet GPA requirements.

8. Students cannot remain in their departments or in EGR status beyond their 4th semester without completing above requirements.

9. Students who do not meet automated admission under the rules of this section and who are within 0.30 grade points of the Core GPA requirements indicated in Rule 6 and/or have experienced significant extenuating circumstances impacting student’s core GPA are encouraged to file an appeal of the admission decision. An appeal will trigger a holistic review process which will include an appeal statement, course rigor and grade trends.

*If the math requirement for the degree program is completed upon entry at UW-Madison then additional courses from section (b) can also be completed for a minimum of 4 core courses (not including special topics, EPD, InterEGR, independent study or seminar courses)

**If the math and science requirement for the degree program is completed upon entry at UW-Madison then departmental engineering courses 200 or above can also comprise the minimum 4 core courses (not including special topics, EPD, InterEGR, independent study or seminar courses).