



STEP2UW Agreement Checklist

Select Transfer Engineering Pathway to the University of Wisconsin-Madison (STEP2UW) for Madison Area Technical College (Madison College) students interested in transferring to undergraduate degree programs in the University of Wisconsin-Madison College of Engineering (CoE)

Effective Fall 2024

Eligible STEP2UW candidates include students who qualify as [Wisconsin residents](#) for UW-Madison tuition purposes, attended Madison College after graduating from high school, and have not attended any other institution after graduating from high school. The STEP2UW agreement does not apply to students applying to UW-Madison as first-year students, including STEM Academy students.

Participating engineering programs include: Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Engineering Mechanics, Environmental Engineering, Geological Engineering, Industrial Engineering, Materials Science and Engineering, Mechanical Engineering, and Nuclear Engineering.

Admission to UW-Madison's College of Engineering is competitive and not guaranteed, even for students who meet the transfer preparation guidelines below. STEP2UW students must follow standard UW-Madison procedures to submit an application for transfer admission consideration in accordance with published deadlines. As off-campus transfer applicants, STEP2UW students are considered for direct admission to the College of Engineering by applying to the Office of Admissions and Recruitment with an engineering program listed as their first choice major. STEP2UW students who are selected for admission to a participating engineering program and meet the requirements below will **automatically meet progression requirements** to guarantee advancement in their intended engineering program after transfer.

STEP2UW students are expected to pursue their selected engineering program through graduation. Although there is an interdepartmental transfer process for students to apply to be considered for a different engineering program after transfer, interdepartmental transfer is competitive and not guaranteed.

Students who do not meet the STEP2UW eligibility requirements or would like to be considered for admission to the Engineering Physics program may apply for general transfer admission consideration and, if admitted, must meet progression requirements at the point of transfer or within their first two semesters at UW-Madison to be guaranteed permission to continue in an engineering program.

1. Submit the *STEP2UW Agreement* prior to completing 30 transferable credits as a post-secondary student at Madison College.

2. Consult regularly with Madison College and UW-Madison CoE advisors.

o Meet with a Madison College Engineering Faculty Advisor at least once per semester. Advising hours vary by semester. Up-to-date hours are posted on the Engineering Transfer Resources website: <https://madisoncollege365.sharepoint.com/sites/EPM/SitePages/EPM-Home.aspx>

o Meet with a UW-Madison CoE transfer advisor as needed; to schedule an appointment, email a copy of your unofficial Madison College transcript, your availability, and your preference for an in-person/Zoom/phone meeting to uqtransfer@engr.wisc.edu.

3. Fulfill UW-Madison minimum transfer admission requirements.

o 24 transferable semester credits completed after high school graduation (excluding AP and other test credits)

o Algebra (one year high school or equivalent)

o Plane geometry (one year high school or equivalent; must be college track)

o College preparatory math (one year high school or equivalent)

o Single world language (two high school years or two college semesters)

4. Fulfill CoE minimum transfer progression requirements.

a. Establish equivalent credit through test credit (see UW-Madison AP Exam policy below ^) or coursework (see 4.c.) for:

o Math 221, 222, and 234

o Chemistry 103 (and 104, if required for the selected engineering program) or 109

o Physics 201 or EMA 201

b. Complete Communications Part A

- o 20-801-201 English 1 (3 credits; or equivalent course) UW-Madison equivalent: Comm A
If Comm A is satisfied by test credit [^], complete a graded 3-credit liberal studies course with Humanities, Social Science, or Literature breadth

c. Complete a minimum of **six Madison College core courses from the list below**. Any course taken from the list below must be passed with a grade of **B or better**. Only one course can be repeated and have the grade replaced to meet the B or better grade requirement.

- o 20-804-231 Calculus and Analytic Geometry 1 (5 credits) Math 221
- o 20-804-232 Calculus and Analytic Geometry 2 (5 credits) Math 222
- o 20-804-233 Calculus 3 (5 credits) Math 234
- o 20-804-255 Ordinary Differential Equations (3 credits) Math 319
- o 20-804-256 Elementary Matrix & Linear Algebra (3 credits) Math 340
- o 20-806-209 College Chemistry 1 (5 credits) Chemistry 103
- o 20-806-212 College Chemistry 2 (5 credits) Chemistry 104
- o 20-806-259 Chemistry for Science & Engineering (5 credits) Chemistry 109
- o 20-806-223 University Physics 1-Calculus Based (5 credits) Physics 201
- o 20-806-224 University Physics 2-Calculus Based (5 credits) Physics 202
- o 20-806-232 Statics (3 credits) EMA 201
- o 20-806-233 Dynamics (3 credits) EMA 202

___5. Recommended: Complete additional Madison College courses to enhance preparation for engineering studies.

Most competitive applicants will exceed the minimum of 6 core course requirements listed above. The additional courses listed in the appendix will count only toward certain UW-Madison CoE degree programs. Consult with your Madison College Engineering Faculty Advisor to ensure you are taking the courses that best match your intended engineering program.

___6. Achieve a minimum 3.0 grade point average (GPA) in all transferable college courses taken.

Most competitive applicants will exceed this minimum GPA. The students we typically see selected for admission usually have a GPA between 3.2 – 4.0. CoE will compute the GPA in accordance with UW-Madison's transfer admission practices and will include grades for all transferable courses, including repeated courses and any transferable college courses taken at other institutions during high school. Note: Courses must be passed with at least a C final grade (2.0 on a 4.0 scale) for transfer credits to count towards CoE degree requirements.

___7. Complete at least two semesters of full-time study (minimum of 12 credits) in transferable courses that include at least two core courses per semester taken from 4.c. or the appendix.

Note: College of Engineering students at UW-Madison are required to attend classes on a full-time basis (12-18 credits per semester).

___8. Fulfill the STEP2UW requirements within five years of submitting the STEP2UW Agreement at Madison College.

___9. STEP2UW students must follow standard UW-Madison procedures to submit an application for transfer admission consideration in accordance with published deadlines. When applying for transfer admission consideration, submit one letter of recommendation from a Madison College math, science, or engineering instructor.

___10. Admitted students who have courses in progress at the time of application must maintain current course enrollment and earn a minimum 3.0 term GPA for courses completed in the semester prior to transfer with no grades below a C (2.0 on a 4.0 scale).

[^] UW-Madison Advanced Placement (AP) Exam policy:

Calculus AB score of 4 or 5 = Math 221

Calculus BC score of 4 or 5 = Math 221-222

Chemistry score of 4 or 5 = Chem 103

Physics C Mechanics score of 4 or 5 = Physics 201

Physics C Electricity and Magnetism score of 4 or 5 = Physics 202

English Language/Literature score of 4 or 5 = Communications Part A