



TRANSFER GUIDE

Milwaukee Area Technical College to Environmental Engineering – College of Engineering & Applied Science

UWM Admission Guidelines

Transfer admission is a holistic and selective process, and no single criterion guarantees admission. The following factors are taken into consideration when reviewing applications:

- Demonstrated satisfactory academic progress
- Successful completion of college-level math and English courses
- Total credit hours completed
- Academic standing at your previous institution

If you have fewer than 12 transferable credits, we will also review your high school academic records.

Most admitted transfer students have a cumulative GPA of 2.0 or greater on all transferable coursework. Competency in English and mathematics is an important factor in the admission decision.

Please note that the College of Engineering & Applied Science is a selective program and has additional requirements for admission into its majors.

We encourage students to utilize this guide to plan their coursework for their first and second semesters. We highly recommend that students who are interested in transferring contact a UWM Transfer Advisor for more information about additional requirements of specific academic programs.

College of Engineering & Applied Sciences Admission Requirements

1. Complete Calculus 1 with a C or better grade. (MATH-231 at MATC)
2. Complete GER Oral and Written Communication Part A. (ENG-202 at MATC)
3. Complete Intro to Chem with a C or better grade or satisfactory score on the placement test. (CHEM-211 at MATC)
4. Obtain a minimum grade point as set by the major department. A 3.00 GPA guarantees admission to any CEAS major.
5. Courses required by the major may be repeated only once. No more than two courses may be repeated.

Transfer Admissions Contact Information

UWM Office Phone: 414-229-2222

Email: undergraduateadmissions@uwm.edu

Department/School/College Advisor Contact Information

College of Engineering & Applied Science Student Services

Email: ceas-adv@uwm.edu

Phone: 414-229-4667

P.O. Box 784

3200 N. Cramer

Milwaukee, WI 53201-0784

<http://uwm.edu/engineering/current-students/advising/>

| | MATC coursework | Cr. | UWM coursework |
|--|-----------------------------------|------------|-----------------------------------|
| General Education Requirements (GER) | | | |
| Oral and Written Comm Part A | ENG-202* ^ | 0-3 | ENGLISH 102* ^ |
| Oral and Written Comm Part B/Humanities | | 3 | ENGLISH 310 |
| Quantitative Literacy Part A | Demonstrated competency* | 0-4 | Demonstrated competency* |
| Quantitative Literacy Part B | Met by math requirement below | -- | Met by math requirement below |
| Foreign Language | Demonstrated competency* | 0-8 | Demonstrated competency* |
| Art | Various options** | 3 | Various options** |
| Humanities (3 additional credits) | Various options** | 3 | Various options** |
| Social Science (6 credits) | Various options** | 3 | Various options** |
| | Various options** | 3 | Various options** |
| Natural Science (6 credits) | Met by coursework w/in major | -- | Met by coursework w/in major |
| Cultural Diversity | Met by above w/ diversity focus** | -- | Met by above w/ diversity focus** |
| Engineering Core | | | |
| Intro to Solid Mechanics | | 4 | CIV ENG 203 |
| Professional Seminar | | 1 | EAS 200 |
| Intro to Engineering | | 3 | IND ENG 111 |
| Engr Drawing & Comp Aided Design/Drafting | | 3 | IND ENG 112 |
| Engineering Economic Analysis | | 3 | IND ENG 360 |
| Intro to Stats for Phy Sci & Engr | | 3 | IND ENG 367 |
| Engineering Materials | | 4 | MATLENG 201 |
| Basic Engineering Thermodynamics | | 3 | MECHENG 301 |
| Intro to Fluid Mechanics | | 3 | MECHENG 320 |
| Major Requirements | | | |
| Intro to Energy, Environment, & Sustainability | | 3 | CIV ENG 311 |
| Engr Prin Water Resources Design | | 3 | CIV ENG 411 |
| Applied Hydrology | | 3 | CIV ENG 412 |
| Environmental Engineering | | 3 | CIV ENG 413 |
| Water Quality Assessment | | 4 | CIV ENG 521 |
| Intro to Water & Sew Treatment | | 3 | CIV ENG 610 |
| Hazardous Waste Management | | 3 | CIV ENG 614 |
| Prin Civil Engineering Design | | 1 | CIV ENG 494 |
| Senior Design | | 3 | CIV ENG 495 |
| Math Requirement | | | |
| Calc & Analytic Geometry I | MATH-231^ | 5 | MATH 231^ |
| Calc & Analytic Geometry II | MATH-232^ | 5 | MATH 232^ |
| Calc & Analytic Geometry III | MATH-233 | 5 | MATH 233 |
| Analytical Methods in Engr | | 4 | ELECENG 234^ |
| Chemistry Requirement | | | |
| Gen Chemistry for Engineering | CHEM-211^ & 212 | 10 | CHEM 102^ & 104 |
| Physics Requirement | | | |
| Physics 1 (Calculus-based) | PHYS-274^^ | 4 | PHYSICS 209^^ & 214 |
| Physics 2 (Calculus-based) | PHYS-275^ | 4 | PHYSICS 210^ & 215 |
| Biology Requirement | | | |
| Foundation in Biological Science I | BIOSCI-257 | 4 | BIO SCI 150 |
| Other Natural Sciences | | | |
| Atmospheric Sciences or | Various options** | 3 | Any ATM SCI 150-level or above or |
| Biological Sciences or | Various options** | | Any BIO SCI above 150 or |
| Geosciences | Various options** | | Any GEO SCI 150-lvel or above |
| Technical Electives | | | |
| Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals. | | 15 | |
| Free Electives | | | |
| Consult a UWM engineering advisor for exact elective needs and options. | | 0-2 | |
| Total Credits = minimum 120 | | 120 | |

A maximum of 72 credits are transferrable to the University of Wisconsin-Milwaukee from two-year technical colleges.

*Can be satisfied by satisfactory placement exam score or coursework. Foreign language may be met by 2 years of HS study.

**Consult [Transferology, TED](#), or discuss GER options with an advisor to see which courses are most appropriate.

^ C or better grade required

^^ C- or better grade required