



## **TRANSFER GUIDE**

**Madison Area Technical College to  
Civil Engineering – College of Engineering & Applied Science**

### **University of Wisconsin-Milwaukee 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 at Madison Area Technical College. 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 Chem 100 with a C or better grade or satisfactory score on the placement test. (CHEM 201 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](mailto:undergraduateadmissions@uwm.edu)

### **Department/School/College Advisor Contact Information**

College of Engineering & Applied Science Student Services

Email: [ceas-adv@uwm.edu](mailto: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/>

	Madison Area Technical College course	Cr.	UWM course
<b>GER requirements</b>		<b>15</b>	
Oral and Written Part A	ENG/801 202 (C or better grade)	0	ENG 102
Oral and Written Part B		3	ENG 310
Art*	Various options*	3	Various options*
Humanities*	Various options*	3	Various options*
Social Science*	Various options*	6	Various options*
Cultural Diversity*	May be fulfilled w/ art, humanities, or social sci course w/ diversity focus	0	May be fulfilled w/ art, humanities, or social sci course w/ diversity focus
Foreign Language*	Demonstrated competency		Demonstrated competency
<b>Engineering Core</b>		<b>33</b>	
Statics	GENENG/806 232	3	CIV ENG 201
Dynamics	GENENG/806 233	3	CIV ENG 202
Computer Based Engr Analysis			CIV ENG 280
Strength of Materials			CIV ENG 303
Professional Seminar	GENENG/806 294	1	EAS 200
Intro to Engineering	GENENG/806 295	3	IND ENG 111
Engr Drawing & Comp Aided Design/Drafting			IND ENG 112
Engineering Economic Analysis			IND ENG 360
Engineering Materials			MATLENG 201
Basic Engr Thermodynamics			MECHENG 301
Intro to Fluid Mechanics			MECHENG 320
<b>Major Requirements</b>		<b>23</b>	
Engineering Survey			CIV ENG 250
Soil Mechanics			CIV ENG 335
Intro Structural Design			CIV ENG 372
Engr Prin Water Resources Design			CIV ENG 411
Environmental Engineering			CIV ENG 413
Transportation Engineering			CIV ENG 490
Prin Civil Engineering Design			CIV ENG 494
Senior Design			CIV ENG 495
<b>Math Requirements</b>		<b>16</b>	
Calc & Analytic Geometry I	MATH/804 231 (C or better grade)	5	MATH 231
Calc & Analytic Geometry II	MATH/804 232 (C or better grade)	5	MATH 232
Calc & Analytic Geometry III	MATH/804 233	5	MATH 233
Analytical Methods in Engr	MATH/804 255 & 256 (C or better)	6	ELECENG 234
<b>Chemistry Requirements</b>		<b>5</b>	
Chemistry 1	CHEM/806 209	5	CHEM 102
Chemistry 2	CHEM/806 212	5	CHEM 104
<b>Physics Requirements</b>		<b>8</b>	
Physics 1	PHYSICS/806 223	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224	5	PHYSICS 210 & 215
<b>Other Natural Science</b>		<b>3</b>	
Select one course	BIOLOGY/806 271	5	BIO SCI 150
	BIOLOGY/806 272	5	BIO SCI 152
	BIOLOGY/806 207	4	BIO SCI 202
	BIOLOGY/806 208	4	BIO SCI 203
<b>Technical Electives</b>		<b>21</b>	
	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
<b>Total Credits = minimum 127</b>			

\*Discuss GER options with advisor to see which are transferable.