



## **TRANSFER GUIDE**

**Madison Area Technical College to  
Mechanical 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	0	Demonstrated competency
<b>Engineering Core</b>		<b>34</b>	
Statics	GENENG/806 232	3	CIV ENG 201
Dynamics	GENENG/806 233 (C or better grade)	3	CIV ENG 202
Strength of Materials		4	CIV ENG 303
Professional Seminar	GENENG/806 294	1	EAS 200
Electrical Circuits I		3	ELECENG 301
Engineering Materials		4	MATLENG 201
Computational Tools for Eng		2	MECHENG 101
Engineering Fundamentals I		4	MECHENG 110
Engineering Fundamentals II		4	MECHENG 111
Basic Eng Thermodynamics		3	MECHENG 301
Intro to Fluid Mechanics		3	MECHENG 320
<b>Major Requirement</b>		<b>33</b>	
Basic Heat Transfer		4	MECHENG 321
Intro Stats for Phys Sci & Eng	MATH/804 241	3	IND ENG 367
Materials/Process Manufacturing		3	MATLENG 330
Fluid Mechanics Laboratory		1	MECHENG 323
Mechanical Design I		3	MECHENG 360
Design of Machine Elements		4	MECHENG 366
Computer Aided Engineering Lab		2	MECHENG 370
Mechanical Eng Experimentation		3	MECHENG 438
Intro to Control Systems		4	MECHENG 474
Control/Design Mechatronic Sys		3	MECHENG 479
Product Realization or Senior Design Project		3	MECHENG 405or MECHENG 496
<b>Math Requirement</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 Eng	MATH/804 255 & 256 (C or better)	6	ELECENG 234
<b>Chemistry Requirement</b>		<b>5</b>	
Chemistry 1	CHEM/806 209	5	CHEM 102
Chemistry 2	CHEM/806 212	5	CHEM 104
<b>Physics Requirement</b>		<b>10</b>	
Physics 1	PHYSICS/806 223	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224	5	PHYSICS 210 & 215
<b>Technical Electives</b>		<b>15</b>	
	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
<b>Total Credits minimum 128</b>			

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