



## **TRANSFER GUIDE**

**Milwaukee Area Technical College to  
Materials 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 Milwaukee 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. (NATSCI 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](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/>

	Milwaukee Area Technical College course	Cr.	UWM course
<b>GER requirements</b>		<b>15</b>	
Oral and Written Part A	ENG 202 (C or better grade)	0	ENG 102
Oral and Written Part B	None	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>24</b>	
Statics		3	CIV ENG 201
Dynamics		3	CIV ENG 202
Strength of Materials			CIV ENG 303
Intro Engineering Programming		3	COMPSCI 240
Professional Seminar		1	EAS 200
Electrical Circuits I		3	ELECENG 301
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Engineering Materials		4	MATLENG 201
<b>Major Requirement</b>		<b>12</b>	
Thermodynamics of Materials		3	MATLENG 330
Materials/Process Manufacturing		3	MATLENG 402
Physical Metallurgy		3	MATLENG 410
Mechanical Behavior Materials		3	MATLENG 411
Materials Laboratory		3	MATLENG 442
Transport Phenomena in Materials Processing		3	MATLENG 443
Ceramic Materials		3	MATLENG 452
Polymeric Materials		3	MATLENG 453
Senior Design Projects I		1	MATLENG 490
Senior Design Projects II		3	MATLENG 491
<b>Math Requirement</b>		<b>16</b>	
Calc & Analytic Geometry I	MATH 231 (C or better grade)	5	MATH 231
Calc & Analytic Geometry II	MATH 232 (C or better grade)	5	MATH 232
Calc & Analytic Geometry III	MATH 233	5	MATH 233
Analytical Methods in Engr	MATH 234	4	MATH 234* will be substituted for EE 234
<b>Chemistry Requirement</b>		<b>5</b>	
Chemistry 1	NATSCI 211	5	CHEM 102
Chemistry 2	NATSCI 212	5	CHEM 104
<b>Physics Requirement</b>		<b>10</b>	
Physics 1	NATSCI 274	5	PHYSICS 209 & 214
Physics 2	NATSCI 275	5	PHYSICS 210 & 215
<b>Technical Electives</b>		<b>24</b>	
	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
<b>Total Credits = minimum 124</b>			