



## TRANSFER GUIDE

### McHenry County College to Materials 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. (MAT 175 at MCC)
2. Complete GER Oral and Written Communication Part A. (ENG 152 at MCC)
3. Complete Intro to Chem with a C or better grade or satisfactory score on the placement test. (CHM 164 at MCC)
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/>

	McHenry College coursework	Cr.	UWM coursework
<b>General Education Requirements (GER)</b>			
Oral and Written Comm Part A	ENG 152* ^	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**
<b>Engineering Core</b>			
Intro to Solid Mechanics		4	CIV ENG 203
Dynamics	EGR 251	3	CIV ENG 202
Intro Engineering Programming	CSC 121	3	sub for COMPSCI 240
Professional Seminar		1	EAS 200
Electrical Circuits I	EGR 260	3	ELECENG 301
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Engineering Materials		4	MATLENG 201
<b>Major Requirements</b>			
Thermodynamics of Materials		3	MATLENG 316
Materials/Process Manufacturing		3	MATLENG 330
Physical Metallurgy		3	MATLENG 402
Mechanical Behavior Materials		3	MATLENG 410
Materials Laboratory		3	MATLENG 411
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>			
Calc & Analytic Geometry I	MAT 175^	5	MATH 231^
Calc & Analytic Geometry II	MAT 245^	5	MATH 232^
Calc & Analytic Geometry III	MAT 255	4	MATH 233
Analytical Methods in Engr		4	ELECENG 234
<b>Chemistry Requirement</b>			
Chemistry 1	CHM 165^	5	CHEM 102^
Chemistry 2	CHM 166	5	CHEM 104
<b>Physics Requirement</b>			
Physics 1	PHY 291^^	4	PHYSICS 209^^ & 214
Physics 2	PHY 292	4	PHYSICS 210 & 215
<b>Technical Electives</b>			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		24	
<b>Free Electives</b>			
Consult a UWM engineering advisor for exact elective needs and options.		0-1	
<b>Total Credits = minimum 120</b>		<b>120</b>	

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