



TRANSFER GUIDE

**UWM @ Waukesha/Washington Co. to
Materials Engineering – College of Engineering & Applied Science**

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.

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 the UWM Waukesha and Washington County campuses. 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.

Admission to College of Engineering & Applied Science Majors Requirements

1. Complete Calculus 1 with a C or better grade. (CGS MAT 221 at branch campuses)
2. Complete GER Oral and Written Communication Part A with a C or better grade. (CGS ENG 102 at branch campuses)
3. Complete CHEM 145 with a C or better or score satisfactorily on the chemistry placement test. (CGS CHE 145 at branch campuses)
4. Obtain a minimum GPA 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/>

	UWM @ Waukesha/Washington Co. CGS courses	Cr	UWM Main Campus courses
GER requirements		15	
Oral and Written Part A	Demonstrated competency*	0-3	Demonstrated competency*
Oral and Writ Part B/Humanities	CGS ENG 250	3	ENGLISH 215 substitute for 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
Art	Various options**	3	Various options**
Humanities	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	May be fulfilled w/ art, humanities, or social sci course w/ diversity focus		May be fulfilled by art, humanities, or social sci course w/ diversity focus
Foreign Language	Demonstrated competency**	0-8	Demonstrated competency**
Engineering Core		24	
Statics	CGS EGR 201	3	CIV ENG 201
Dynamics	CGS EGR 202	3	CIV ENG 202
Strength of Materials	CGS EGR 203	4	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 & Eng	CGS MAT 228	3	IND ENG 367
Engineering Materials		4	MATLENG 201
Major Requirements		28	
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
Math Requirements		16	
Calc & Analytic Geometry I	CGS MAT 221	4	MATH 231
Calc & Analytic Geometry II	CGS MAT 232	4	MATH 232
Calc & Analytic Geometry III	CGS MAT 233	4	MATH 233
Analytical Methods in Eng		4	ELECENG 234
Chemistry Requirement		5	
Gen Chem for Engineering	CGS CHE 165 (or CGS CHE 145 & 155)	5-10	CHEM 105 (or CHEM 102 & 104)
Physics Requirement		10	
Physics I & II (Studio, Calc Based)		10	PHYSICS 219 & 220
Physics I & II (w/ Lab, Calc Based)	CGS PHY 209, 214, 210, & 215		PHYSICS 209, 214, 210, & 215
Technical Electives		24	
Group A1 (at least 2 courses)	Consult an engineering advisor for the best technical elective options based on your career/degree goals.		
Group A2 (at least 2 courses)			
Group B (0-6 credits)			
Total Credits = minimum 124		124	

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

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