



TRANSFER GUIDE

UWM at Waukesha/Washington County 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. (CGS MAT 221 at branch campuses)
2. Complete GER Oral and Written Communication Part A. (CGS ENG 102 at branch campuses)
3. Complete Intro to Chem with a C or better grade or satisfactory score on the placement test. (CGS CHE 145 at branch campuses)
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

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 @ Wauk/Wash Co courses	Cr.	UWM coursework
General Education Requirements (GER)			
Oral and Written Comm Part A	Demonstrated competency*	0-3	Demonstrated competency*
Oral and Written Comm 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
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**
Engineering Core			
Intro to Solid Mechanics	CGS EGR 201 & CGS EGR 203	4	CIV ENG 203
Dynamics	CGS EGR 202	3	CIV ENG 202
Intro Engineering Programming	CGS CPS 245 (sub for COMPSCI 240)	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
Major Requirements			
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 Requirement			
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 Engr	CGS MAT 234 (sub for ELECENG 234)	4	ELECENG 234
Chemistry Requirement			
Gen Chem for Engineering	CGS CHE 165 (or CGS CHE 145 & CGS CHE 155)	5-10	CHEM 105 (or CHEM 102 & CHEM 104)
Physics Requirement			
Physics I & II (w/ Lab, Calc Based)	CGS PHY 209^^ & CGS PHY 214 CGS PHY 210 & CGS PHY 215		PHYSICS 209^^ & PHYSICS 214 PHYSICS 210 & PHYSICS 215
Technical Electives			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		18-24	Group A1 (@ least 2 courses) Group A2 (@ least 2 courses)
		0-6	Group B
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-1	
Total Credits = minimum 120		120	

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

**Consult the [Internal Transfer Lookup](#) tool or discuss GER options with an advisor to see which courses are most appropriate.

^ C or better grade required

^^ C- or better grade required