



TRANSFER GUIDE

UWM at Waukesha/Washington County to Mechanical 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^
Professional Seminar		1	EAS 200
Engineering Materials		4	MATLENG 201
Basic Engineering Thermodynamics	CGS EGR 263	3	MECHENG 301
Major Requirements			
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Materials/Process Manufacturing		3	MATLENG 330
Computational Tools for Engr		2	MECHENG 101
Engineering Fundamentals I	CGS EGR 105	4	MECHENG 110
Engineering Fundamentals II		3	MECHENG 111
Computer Aided Engineering Lab		2	MECHENG 270
Intro to Dynamic Systems		3	MECHENG 302
Basic Heat Transfer		4	MECHENG 321
Intro to Fluid Mechanics		4	MECHENG 324
Mechanical Design I		3	MECHENG 360
Design of Machine Elements 1		3	MECHENG 364
Adv Mech of Materials & Dsgn Machine Elements 2		3	MECHENG 368
Intro to Mechatronic		3	MECHENG 379
Mechanical Engr Experimentation		3	MECHENG 438
Product Realization or Senior Design Project		3	MECHENG 405 or MECHENG 496
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		4	ELECENG 234
Chemistry Requirement			
Gen Chemistry or Gen Chem for Engineers	CGS CHE 145 or CGS CHE 165	5	CHEM 102 or CHEM 105
Physics Requirement			
Physics I & II (w/ Lab, Calc Based)	CGS PHY 209^^ & CGS PHY 214 CGS PHY 210 & CGS PHY 215	10	PHYSICS 209^^ & PHYSICS 214 PHYSICS 210 & PHYSICS 215
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-15	
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