TRANSFER GUIDE

Madison Area Technical College to
Industrial 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 at Madison 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/804 231 at Madison College)
2. Complete GER Oral and Written Communication Part A. (ENG/801 202 at Madison College)
3. Complete Intro to Chem with a C or better grade or satisfactory score on the placement test. (CHEM/806 201 at Madison College)
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/

	Madison College course	Cr.	UWM course
GER requirements			
Oral and Written Comm Part A	ENG/801 202* ^	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**
Engineering Core			
Introduction to Solid Mechanics	GENENG/806 234	4	CIV ENG 203
Intro to Python Programming	MATH/804 215 (sub for COMPSCI 202)	3	COMPSCI 202
Professional Seminar	GENENG/806 294	1	EAS 200
Electrical Circuits I	GENENG/662 121	3	ELECENG 301
Intro to Engineering	GENENG/806 295	3	IND ENG 111
Engr Drawing & CAD/Design	GENENG/606 231	3	IND ENG 112
Engineering Economic Analysis		3	IND ENG 360
Engineering Materials		4	MATLENG 201
Major Requirements			
Manufacturing Processes		3	IND ENG 350
Intro Stats for Phys Sci & Engr	MATH/804 241	3	IND ENG 367
Intro to Operations Analysis		3	IND ENG 370
Operations Research I		3	IND ENG 455
Operations Research II		3	IND ENG 465
Methods Engineering		3	IND ENG 470
Simulation Methodology		3	IND ENG 475
Senior Design Project		3	IND ENG 485
Quality Control		3	IND ENG 571
Design of Experiments		3	IND ENG 575
Ergonomics		3	IND ENG 580
Facility Layout/Material Handling		3	IND ENG 583
Math Requirement			
Calc & Analytic Geometry I	MATH/804 231^	5	MATH 231
Calc & Analytic Geometry II	MATH/804 232^	5	MATH 232
Calc & Analytic Geometry III	MATH/804 233	5	MATH 233
Analytical Methods in Engr	MATH/804 255 & 256	6	ELECENG 234
Chemistry Requirement			
Chemistry 1	CHEM/806 209	5	CHEM 102
Physics Requirement			
Physics 1	PHYSICS/806 223^^	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224	5	PHYSICS 210 & 215
Technical Electives			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		9	
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-7	
Total Credits = minimum 120		120	

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

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