



TRANSFER GUIDE

**Milwaukee Area Technical College to
Mechanical Engineering – College of Engineering & Applied Science**

University of Wisconsin-Milwaukee 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 Milwaukee Area Technical 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 231 at MATC)
2. Complete GER Oral and Written Communication Part A. (ENG 202 at MATC)
3. Complete Chem 100 with a C or better grade or satisfactory score on the placement test. (NATSCI 211 at MATC)
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/>

	Milwaukee Area Technical College course	Cr.	UWM course
GER requirements		15	
Oral and Written Part A	ENG 202 (C or better grade)	0	ENG 102
Oral and Written Part B		3	ENG 310
Art*	Various options*	3	Various options*
Humanities*	Various options*	3	Various options*
Social Science*	Various options*	6	Various options*
Cultural Diversity*	May be fulfilled w/ art, humanities, or social sci course w/ diversity focus	0	May be fulfilled w/ art, humanities, or social sci course w/ diversity focus
Foreign Language	Demonstrated competency	0	Demonstrated competency
Engineering Core		34	
Statics		3	CIV ENG 201
Dynamics		3	CIV ENG 202
Strength of Materials		4	CIV ENG 303
Professional Seminar		1	EAS 200
Electrical Circuits I		3	ELECENG 301
Engineering Materials		4	MATLENG 201
Computational Tools for Eng		2	MECHENG 101
Engineering Fundamentals I		4	MECHENG 110
Engineering Fundamentals II		4	MECHENG 111
Basic Eng Thermodynamics		3	MECHENG 301
Intro to Fluid Mechanics		3	MECHENG 320
Major Requirement		33	
Basic Heat Transfer		4	MECHENG 321
Intro Stats for Phys Sci & Eng		3	IND ENG 367
Materials/Process Manufacturing		3	MATLENG 330
Fluid Mechanics Laboratory		1	MECHENG 323
Mechanical Design I		3	MECHENG 360
Design of Machine Elements		4	MECHENG 366
Computer Aided Engineering Lab		2	MECHENG 370
Mechanical Eng Experimentation		3	MECHENG 438
Intro to Control Systems		4	MECHENG 474
Control/Design Mechatronic Sys		3	MECHENG 479
Product Realization or Senior Design Project		3	MECHENG 405 or MECHENG 496
Math Requirement		16	
Calc & Analytic Geometry I	MATH 231 (C or better grade)	5	MATH 231
Calc & Analytic Geometry II	MATH 232 (C or better grade)	5	MATH 232
Calc & Analytic Geometry III	MATH 233	5	MATH 233
Analytical Methods in Eng		6	ELECENG 234
Chemistry Requirement		5	
Chemistry 1	NATSCI 211	5	CHEM 102
Chemistry 2	NATSCI 212	5	CHEM 104
Physics Requirement		10	
Physics 1	NATSCI 274	5	PHYSICS 209 & 214
Physics 2	NATSCI 275	5	PHYSICS 210 & 215
Technical Electives		15	
	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
Total Credits minimum 128			