



TRANSFER GUIDE

**Madison Area Technical College to
Biomedical 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 Madison 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. (CHEM 201 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/>

	Madison Area Technical College course	Cr.	UWM course
GER requirements		15	
Oral and Written Part A	ENG/801 202 (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		26	
Fund of Biomedical Engineering		3	BME 101
Statics	GENENG/806 232	3	CIV ENG 201
Dynamics	GENENG/806 233 (C or better grade)	3	CIV ENG 202
Professional Seminar	GENENG/806 294	1	EAS 200
Electrical Circuits I		3	ELECENG 301
Electrical Circuits II		4	ELECENG 305
Engineering Materials		4	MATLENG 201
Computational Tools for Engr		2	MECHENG 101
Basic Engr Thermodynamics		3	MECHENG 301
Major Requirement		38	
Anatomy & Physiology I	BIOLOGY/806 207	4	BIO SCI 202
Anatomy & Physiology II	BIOLOGY/806 208	4	BIO SCI 203
Biostatistics/Intro Stats Phys Sci	MATH/804 241	3	BIO SCI 465 or IND ENG 367
Analysis/Modeling Dynamic Sys		4	BME 302
Intro Engineering Biomechanics		3	BME 305
Engr Biomedical Devices I		4	BME 320
Engr Biomedical Devices II		3	BME 325
Intro to Biomaterials		3	BME 385
Biomedical Instrumentation Lab		4	BME 495
Capstone Design Project		3	BME 595
Signals & Systems		3	ELECENG 310
Math Requirement		16	
Calc & Analytic Geometry I	MATH/804 231 (C or better grade)	5	MATH 231
Calc & Analytic Geometry II	MATH/804 232 (C or better grade)	5	MATH 232
Calc & Analytic Geometry III	MATH/804 233	5	MATH 233
Analytical Methods in Engr	MATH/804 255 & 256 (C or better)	6	ELECENG 234
Physics Requirement		10	
Physics 1	PHYSICS/806 223	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224	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 120			

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