



TRANSFER GUIDE

**Madison Area Technical College to
Electrical 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		Demonstrated competency
Engineering Core		17	
Intro Engineering Programming		3	COMPSCI 240
C Program Embedded Systems		3	COMPSCI 241
Professional Seminar	GENENG/806 294	1	EAS 200
Fund of Electrical Engineering		3	ELECENG 101
Electrical Circuits I		3	ELECENG 301
Engineering Materials		4	MATLENG 201
Major Requirements		36	
Electrical Circuits II		4	ELECENG 305
Signals & Systems		3	ELECENG 310
Electronics I		4	ELECENG 330
Electronics II		4	ELECENG 335
Digital Logic		3	ELECENG 354
Electromagnetic Fields		3	ELECENG 361
Electromechanical Energy Conversion		4	ELECENG 362
Intro to Microprocessors		4	ELECENG 367
Random Signals & Systems		3	ELECENG 420
Capstone Design Project		4	ELECENG 595
Math Requirements		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
Chemistry		5	
Chemistry 1	CHEM/806 209	5	CHEM 102
Physics Requirements		10	
Physics 1	PHYSICS/806 223	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224 (C or better grade)	5	PHYSICS 210 & 215
Technical Electives		24	
	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
Free Electives		3	
	To bring your total credits to 126.		
Total Credits = minimum 126			

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