



TRANSFER GUIDE

Madison Area Technical College to Electrical 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 coursework	Cr.	UWM coursework
General Education Requirements (GER)			
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			
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	GENENG/605 270	3	ELECENG 101
Electrical Circuits I	GENENG/662 121	3	ELECENG 301
Major Requirements			
Electrical Circuits II	GENENG/662 221	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 I		3	ELECENG 596
Capstone II		2	ELECENG 597
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.		18	
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-6	
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