



TRANSFER GUIDE

**Madison Area Technical College to
Computer 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.

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 Comp Sci 251 with a C or better grade. (MATH 216 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/>

GER requirements	Madison Area Technical College course	15	UWM Course
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		10	
Intro Computer Programming	MATH/804 208 or 215 (C or better)	3	COMPSCI 250
Professional Seminar	GENENG/806 294	1	EAS 200
Electrical Circuits I		3	ELECENG 301
Intro Stats for Phys Sci & Engr	MATH/804 241	3	IND ENG 367
Major Requirements		51	
Intermediate Computer Program	MATH/804 216 (C or better grade)	3	COMPSCI 251
Discrete Information Structures		3	COMPSCI 317
System Programming		3	COMPSCI 337
Data Structures & Algorithms		3	COMPSCI 351
Intro Software Engineering		3	COMPSCI 361
Social, Prof, & Ethical Issues		3	COMPSCI 395
Computer Architecture		3	COMPSCI 458
Computer Networks		3	COMPSCI 520
Algorithm Design & Analysis		3	COMPSCI 535
Intro to Operating Systems		3	COMPSCI 537
Electrical Circuits II		4	ELECENG 305
Signals & Systems		3	ELECENG 310
Electronics I		4	ELECENG 330
Digital Logic		3	ELECENG 354
Intro to Microprocessors		4	ELECENG 367
Digital Logic Laboratory		3	ELECENG 457
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
Biology or Chemistry Requirement		4-5	
Choice One	BIOLOGY/806 271	4	BIO SCI 150
	BIOLOGY/806 272	4	BIO SCI 202
	CHEM/806 209	5	CHEM 102
Physics Requirements		8	
Physics 1	PHYSICS/806 223	5	PHYSICS 209 & 214
Physics 2	PHYSICS/806 224	5	PHYSICS 210 & 215
Technical Electives		16	
	Consult an engineering advisor for the best technical elective options based on your career/degree goals.		
Total Credits = 120 minimum			

*Discuss GER options with advisor to see which are transferable