



TRANSFER GUIDE

Milwaukee 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 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 Comp Sci 251 with a C or better grade.
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 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		3	COMPSCI 250
Professional Seminar		1	EAS 200
Electrical Circuits I		3	ELECENG 301
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Major Requirements		51	
Intermediate Computer Program		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 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 Engr		6	ELECENG 234
Biology or Chemistry Requirement		4-5	
Choose one	NATSCI 257	4	BIO SCI 150
	NATSCI 201	4	BIO SCI 202
	NATSCI 211	5	CHEM 102
Physics Requirements		8	
Physics 1	NATSCI 274	5	PHYSICS 209 & 214
Physics 2	NATSCI 275	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.