



## **TRANSFER GUIDE**

**Milwaukee Area Technical College to  
Computer Science – 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 with a C or better grade. (MATH 211 or 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](mailto:undergraduateadmissions@uwm.edu)

### **Department/School/College Advisor Contact Information**

College of Engineering & Applied Science Student Services

Email: [ceas-adv@uwm.edu](mailto: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/>

	Milwaukee Area Technical College course	Cr.	UWM course
<b>GER requirements</b>		<b>15</b>	
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		Demonstrated competency
<b>Major Requirements</b>		<b>50</b>	
Intro Computer Programming		3	COMPSCI 250
Intermediate Computer Program		3	COMPSCI 251
Intro Computer Organization & Assembly Language Programming		3	COMPSCI 315
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
Intro Theory of Computation		3	COMPSCI 417
Programming Langs Concepts		3	COMPSCI 431
Computer Architecture		3	COMPSCI 458
Computer Networks		3	COMPSCI 520
Algorithm Design & Analysis		3	COMPSCI 535
Intro to Operating Systems		3	COMPSCI 537
Capstone Project		4	COMPSCI 595
Professional Seminar		1	EAS 200
Digital Logic		3	ELECENG 354
<b>Math Requirement</b>		<b>4</b>	
4 credits needed	MATH 211 (C or better grade)	5	MATH 211
	MATH 231 (C or better grade)	5	MATH 231
<b>Natural Science Requirement</b>		<b>12</b>	
12 credits needed-one sequence of coursework is needed	NATSCI 257 & 258	8	BIO SCI 150 & BIO SCI 152
	NATSCI 201 & 202	8	BIO SCI 202 & BIO SCI 203
	NATSCI 211 & 212	10	CHEM 102 & CHEM 104
	NATSCI 221 & 222	10	PHYSICS 120, 121, 122 & 123
	NATSCI 274 & 275	10	PHYSICS 209, 210, 214 & 215
	One Additional Natural Science	3-4	One Additional Natural Science
<b>Technical Electives</b>		<b>15</b>	
	Consult an engineering advisor for the best technical elective options based on your career/degree goals.		
<b>Applied Math Electives</b>		<b>9</b>	
9 credits needed	MATH 220	3	MATH 205
	MATH 232	5	MATH 232
	MATH 233	5	MATH 233
	MATH 234	5	MATH 234
<b>Free Electives</b>		<b>15</b>	
	To bring your credit total to 120 credits.		
<b>Total Credits minimum 120</b>			

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