



TRANSFER GUIDE

Milwaukee Area Technical College to Computer 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.

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. 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 Intro to Chem with a C or better grade or satisfactory score on the placement test. (CHEM-211 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/>

	MATC coursework	Cr.	UWM coursework
General Education Requirements (GER)			
Oral and Written Comm Part A	ENG-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 Computer Programming		3	COMPSCI 250^
Professional Seminar		1	EAS 200
Electrical Circuits I		3	ELECENG 301
Intro to Stats-Phy Sci & Engr		3	IND ENG 367
Major Requirements			
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 Requirement			
Calc & Analytic Geometry I	MATH-231^	5	MATH 231^
Calc & Analytic Geometry II	MATH-232^	5	MATH 232^
Calc & Analytic Geometry III	MATH-233	5	MATH 233
Analytical Methods in Engr		4	ELECENG 234^
Biology or Chemistry Requirement			
Choose One	BIOSCI-257	4	BIO SCI 150
	BIOSCI-201	4	BIO SCI 202
	CHEM-211	5	CHEM 102
Physics Requirement			
Physics 1 (Calculus-based)	PHYS-274^^	4	PHYSICS 209^^ & 214
Physics 2 (Calculus-based)	PHYS-275	4	PHYSICS 210 & 215
Technical Electives			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		16	
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