



# TRANSFER GUIDE

## UWM at Waukesha/Washington County 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.

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. 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. (CGS MAT 221 at branch campuses)
2. Complete GER Oral and Written Communication Part A. (CGS ENG 102 at branch campuses)
3. Complete Intro to Chem with a C or better grade or satisfactory score on the placement test. (CGS CHE 145 at branch campuses)
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/>

	UWM @ Wauk/Wash Co courses	Cr.	UWM coursework
<b>General Education Requirements (GER)</b>			
Oral and Written Comm Part A	ENG/801 202* ^	0-3	ENGLISH 102* ^
Oral and Written Comm Part B/Humanities	CGS ENG 250	3	ENGLISH 215 (sub for 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**
<b>Engineering Core</b>			
Intro Computer Programming	CGS CPS 245^	3	COMPSCI 250^
Professional Seminar		1	EAS 200
Electrical Circuits I		3	ELECENG 301
Intro to Stats-Phy Sci & Engr		3	IND ENG 367
<b>Major Requirements</b>			
Intermediate Computer Program	CGS CPS 255^	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
<b>Math Requirement</b>			
Calc & Analytic Geometry I	CGS MAT 221^	4	MATH 231^
Calc & Analytic Geometry II	CGS MAT 232^	4	MATH 232^
Calc & Analytic Geometry III	CGS MAT 233	4	MATH 233
Analytical Methods in Engr		4	ELECENG 234^
<b>Biology or Chemistry Requirement</b>			
Choose One	CGS CHE 145	4-5	CHEM 102
	CGS CHE 165		CHEM 105
	CGS BIO 150		BIO SCI 150
	CGS BIO 202		BIO SCI 202
<b>Physics Requirement</b>			
Physics I & II (Calculus Based)	CGS PHY 209^^ & CGC PHY 210	8	PHYSICS 209^^ & 210
<b>Technical Electives</b>			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		9-12	Group A
		4	Group B---COMPSCI 595 or ELECENG 595
		0-3	Group C
<b>Total Credits = minimum 120</b>		<b>120</b>	

\*Can be satisfied by satisfactory placement exam score or coursework. Foreign language may be met by 2 years of HS study.

\*\*Consult the [Internal Transfer Lookup](#) tool or discuss GER options with an advisor to see which courses are most appropriate.

^ C or better grade required

^^ C- or better grade required