TRANSFER GUIDE

Elgin Community College to
Materials 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. (MTH 190 at Elgin CC)
2. Complete GER Oral and Written Communication Part A. (ENG 102 at Elgin CC)
3. Complete Chem 100 with a C or better grade or satisfactory score on the placement test. (CHM 142 at Elgin CC)

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/

	Elgin CC coursework	Cr.	UWM coursework
General Education Requirements (GER)			
Oral and Written Comm Part A	ENG 102* ^	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 to Solid Mechanics	EGR 152 & 172	4	CIV ENG 203
Dynamics	EGR 252	3	CIV ENG 202
Intro Engineering Programming	CIS 123	3	sub for COMPSCI 240
Professional Seminar		1	EAS 200
Electrical Circuits I	EGR 272	4	ELECENG 301
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Engineering Materials		4	MATLENG 201
Major Requirements			
Thermodynamics of Materials		3	MATLENG 316
Materials/Process Manufacturing		3	MATLENG 330
Physical Metallurgy		3	MATLENG 402
Mechanical Behavior Materials		3	MATLENG 410
Materials Laboratory		3	MATLENG 411
Transport Phenomena in Materials Processing		3	MATLENG 443
Ceramic Materials		3	MATLENG 452
Polymeric Materials		3	MATLENG 453
Senior Design Projects I		1	MATLENG 490
Senior Design Projects II		3	MATLENG 491
Math Requirement			
Calc & Analytic Geometry I	MTH 190^	5	MATH 231
Calc & Analytic Geometry II	MTH 210^	5	MATH 232
Calc & Analytic Geometry III	MTH 230	5	MATH 233
Analytical Methods in Engr	MTH 240 & 250	4	sub for ELECENG 234
Chemistry Requirement			
Chemistry 1	CHM 142^	5	CHEM 102^
Chemistry 2	CHM 143	5	CHEM 104
Physics Requirement			
Physics 1	PHY 211^^	5	PHYSICS 209^^ & 214
Physics 2	PHY 212	5	PHYSICS 210 & 215
Technical Electives			
Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		24	
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-1	
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

Updated 3/2022