



TRANSFER GUIDE

Elgin Community College to Biomedical 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. (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			
Fund of Biomedical Engineering		3	BME 101
Intro to Solid Mechanics	EGR 152 & 172	4	CIV ENG 203
Professional Seminar		1	EAS 200
Electrical Circuits I	EGR 272	4	ELECENG 301
Electrical Circuits II		4	ELECENG 305
Engineering Materials		4	MATLENG 201
Computational Tools for Engr		2	MECHENG 101
Basic Engr Thermodynamics		3	MECHENG 301
Major Requirements			
Anatomy & Physiology I	BIO 245^	4	BIO SCI 202^
Anatomy & Physiology II	BIO 246	4	BIO SCI 203
Biostatistics/Intro Stats Phys Sci		3	KIN 270
Analysis/Modeling Dynamic Sys		4	BME 302
Intro Engineering Biomechanics		3	BME 305
Signals & Systems		3	BME 310
Engr Biomedical Devices I		4	BME 320
Engr Biomedical Devices II		3	BME 325
Intro to Biomaterials		3	BME 385
Biomedical Instrumentation Lab		4	BME 495
Capstone Design Project		3	BME 595
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		4	ELECENG 234^
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.		11	
Free Electives			
Consult a UWM engineering advisor for exact elective needs and options.		0-6	
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