



## TRANSFER GUIDE

### College of Lake County 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 while at College of Lake County. We highly recommend that students who are interested in transferring contact an Engineering 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 145 at CLC)
2. Obtain a minimum grade point as set by the major department. A 3.00 GPA guarantees admission to any CEAS major.

#### **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

Phone: 414-229-4667

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

P.O. Box 784

3200 N. Cramer

Milwaukee, WI 53201-0784

<http://uwm.edu/engineering/current-students/advising/>

	College of Lake Co. coursework	Cr.	UWM coursework
<b>General Education Requirements (GER)</b>			
Oral and Written Comm Part A	ENG 122 <sup>^</sup>	0-3	ENGLISH 102 <sup>^</sup>
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**
<b>Major Requirements</b>			
Anatomy & Physiology I	BIO 244 <sup>^</sup>	4	BIO SCI 202 <sup>^</sup>
Anatomy & Physiology II	BIO 245	4	BIO SCI 203
Fund of Biomedical Engineering		3	BME 101
Fundamentals of Biomaterials		4	BME 296
Analysis/Modeling of Dynamic Systems		4	BME 302
Intro Engineering Biomechanics		3	BME 305
Biomedical Signals & Systems		3	BME 310
Engineering of Biomedical Devices I		4	BME 320
Engineering of Biomedical Devices II		3	BME 325
Biomedical Instrumentation Lab		4	BME 495
Capstone Design Project		3	BME 595
Fund of Smart Systems Engineering I		2	EAS 110
Professional Seminar	EGR 120	1	EAS 200
Fund of Smart Systems Engineering II		2	EAS 210
Intro Programming Using Python or Intro Computer Programming	MCS 141	3	COMPSCI 202 or COMPSCI 250
Stats in Health Professions: Theory & Practice		3	KIN 270
<b>Engineering Core</b>			
15 credits	Select from 200 or higher-level courses from BME, CIV ENG, ELECENG, IND ENG, MATLENG, MECHENG; at least 9 of these credits must be from 300 or higher-level courses. Courses cannot be double-counted as part of other program reqs.		
<b>Math Requirement</b>			
Calc & Analytic Geometry I	MTH 145 <sup>^</sup>	5	MATH 231 <sup>^</sup>
Calc & Analytic Geometry II	MTH 146 <sup>^</sup>	4	MATH 232 <sup>^</sup>
Calc & Analytic Geometry III	MTH 246	5	MATH 233
Analytical Methods in Engr		4	ELECENG 234
<b>Physics Requirement</b>			
Physics 1	PHY 123 <sup>^^</sup>	5	PHYSICS 209 <sup>^^</sup>
Physics 2	PHY 124	5	PHYSICS 210
<b>Technical Electives</b>			
9 credits	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
<b>Free Electives</b>			
Up to 6 credits.	Consult a UWM engineering advisor for exact elective needs and options.		
<b>Total Credits = minimum 120</b>		<b>120</b>	

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.

<sup>^</sup> C or better grade required

<sup>^^</sup> C- or better grade required