



TRANSFER GUIDE

College of Lake County to Industrial 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 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

Department/School/College Advisor Contact Information

College of Engineering & Applied Science Student Services

Phone: 414-229-4667

Email: 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 course
GER requirements			
Oral and Written Comm Part A	ENG 122 [^]	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			
Introduction to Solid Mechanics	EGR 125 & 222	6	CIV ENG 203
Intro to Python Programming	MCS 142 (may sub for COMPSCI 202)	3	COMPSCI 202
Professional Seminar	EGR 120	1	EAS 200
Electrical Circuits I	EGR 260	3	ELECENG 301
Intro to Engineering		3	IND ENG 111
Engr Drawing & CAD/Design	EGR 121	3	IND ENG 112
Engineering Economic Analysis		3	IND ENG 360
Engineering Materials		4	MATLENG 201
Major Requirements			
Manufacturing Processes		3	IND ENG 350
Intro Stats for Phys Sci & Engr		3	IND ENG 367
Intro to Operations Analysis		3	IND ENG 370
Operations Research I		3	IND ENG 455
Operations Research II		3	IND ENG 465
Methods Engineering		3	IND ENG 470
Simulation Methodology		3	IND ENG 475
Senior Design Project		3	IND ENG 485
Quality Control		3	IND ENG 571
Design of Experiments		3	IND ENG 575
Ergonomics		3	IND ENG 580
Facility Layout/Material Handling		3	IND ENG 583
Math Requirement			
Calc & Analytic Geometry I	MTH 145 [^]	5	MATH 231 [^]
Calc & Analytic Geometry II	MTH 146 [^]	4	MATH 232 [^]
Calc & Analytic Geometry III	MTH 246	5	MATH 233
Analytical Methods in Engr		4	ELECENG 234
Chemistry Requirement			
Chemistry 1	CHM 121	5	CHEM 102
Physics Requirement			
Physics 1 (Calculus-based)	PHY 123 ^{^^}	4	PHYSICS 209 ^{^^}
Physics 2 (Calculus-based)	PHY 124	4	PHYSICS 210
Technical Electives			
9 credits	Consult a UWM engineering advisor for the best technical elective options based on your career/degree goals.		
Free Electives			
Up to 7 credits	Consult a UWM engineering advisor for exact elective needs and options.		
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