

TRANSFER EQUIVALENCY WORKSHEET
COLLEGE OF LAKE COUNTY TO UNIVERSITY OF WISCONSIN-MILWAUKEE
COLLEGE OF ENGINEERING & APPLIED SCIENCE

UWM General Education Requirements	UWM Equivalent	UWM Required Credits	Comp	Need
Art*		3		
Humanities*		3		
Social Science*		6		
*Can also be used to satisfy the 3 credit Cultural Diversity requirement				
<u>MATH</u>				
MTH 145 Calculus and Analytic Geometry I	Math 231	4		
MTH 146 Calculus and Analytic Geometry II* *C or better grade required	Math 232	4		
MTH 246 Calculus and Analytic Geometry III* *Electrical Engineers need to earn a C or better grade	Math 233	5		
<u>NATURAL SCIENCE</u>				
BIO 244 Anatomy & Physiology 1 <i>(Biomedical only)</i>	Bio Sci 202	4		
BIO 245 Anatomy & Physiology 2 <i>(Biomedical only)</i>	Bio Sci 203	4		
CHM 120 Chemical Concepts <i>(Biomedical only)</i>	Chem 100	4		
CHM 121 & 123 General Chemistry I & II <i>(Civil, Industrial, Materials, Mechanical)</i> <i>Electrical & Computer Engineering students only need to complete CHM 121</i>	Chem 102 & Chem 104	5-10		
PHY 123 General Physics I	Phy 209 & 214	5		
PHY 124 General Physics II* *Biomedical, Computer & Electrical Engineers need to earn a C or better grade	Phy 210 & 215	5		
<u>ENGINEERING COURSES</u>				
EGR 120 Introduction to Engineering	EAS 200	1		
EGR 121 Engineering Graphics <i>(Civil and Industrial majors only)</i>	Ind Eng 111	3		
EGR 125 Engineering Statics <i>(All Engineering majors except Computer & Electrical Eng)</i>	Civ Eng 201	3		
EGR 222 Engineering Mechanics of Materials <i>(Civil, Materials and Mechanical majors only)</i>	Civ Eng 303	4		
EGR 225 Engineering Dynamics* <i>(All Engineering majors except Computer & Electrical Eng)</i> *Mechanical Engineers need to earn a C or better grade	Civ Eng 202	3		
EGR 260 Introduction to Circuit Analysis* <i>(All Engineering majors except Civil Engineering)</i> *Biomedical, Computer Eng & Electrical Engineers need to earn a C or better grade	Elec Eng 301	3		

COMPUTER SCIENCE COURSES				
MCS 141 Computer Science I* <i>(Computer Science, Computer Engineering)</i> *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 250	3		
MCS 142 Computer Science II* <i>(Computer Science, Computer Engineering)</i> *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 251	3		
MCS 240 Computer Organization and Architecture* <i>(Computer Science)</i> *Computer Science students need to earn a C or better grade	Comp Sci 315	3		
MTH 244 Discrete Mathematics* <i>(Computer Science, Computer Engineering)</i> *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 317	3		
Preparatory Coursework in English or Math				
Minimum of a "C" grade is required to move to the next course at				
ENG 121 English Composition I	Eng 101	3		
ENG 122 English Composition II	Eng 102	3		
MTH 122 College Algebra	Math 116	3		
MTH 123 Trigonometry	Math 117	2		
MTH 144 Pre-Calculus	Math 116 & 117	5		
<p>To be admissible to the College of Engineering & Applied Science transfer students typically have earned the following: *A grade of a "C" or better Math 145 *A cumulative grade point average of a 3.0</p> <p>Majors in the College of Engineering & Applied Science: Biomedical Engineering Civil Engineering Computer Engineering Computer Science Electrical Engineering Environmental Engineering (starting Spring 2020) Industrial Engineering Materials Engineering Mechanical Engineering</p> <p>For more information contact the Office of Student Services at (414) 229-4667 or ceas-adv@uwm.edu</p>				