

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				
^ Computer Science & Computer Engineering students should take CMM 122 to fulfill 3 credits of Social Science				
<u>MATH</u>				
MTH 145 Calculus and Analytic Geometry I	Math 231	4		
MTH 146 Calculus and Analytic Geometry II	Math 232	4		
MTH 246 Calculus and Analytic Geometry III* *Electrical Engineers need to earn a C or better grade	Math 233	4		
<u>NATURAL SCIENCE</u>				
BIO 244 Anatomy & Physiology 1 (Biomedical only)	Bio Sci 202	4		
BIO 245 Anatomy & Physiology 2 (Biomedical only)	Bio Sci 203	4		
CHM 120 Chemical Concepts (Biomedical only)	Chem 100	4		
CHM 121 & 123 General Chemistry I & II (Civil, Computer Engineering, Industrial, Materials, Mechanical) Electrical Engineering students only need to complete CHM 121	Chem 102 & Chem 104	5-10		
PHY 123 General Physics I	Phy 209 & 214	5		
PHY 124 General Physics II* *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 (Civil and Industrial majors only)	Ind Eng 111	3		
EGR 125 Engineering Statics (All Engineering majors except Computer & Electrical Eng)	Civ Eng 201	3		
EGR 222 Engineering Mechanics of Materials (Civil, Materials and Mechanical majors only)	Civ Eng 303	3		
EGR 225 Engineering Dynamics* (All Engineering majors except Computer & Electrical Eng) * Mechanical Engineers need to earn a C or better grade	Civ Eng 202	3		
EGR 260 Introduction to Circuit Analysis (All Engineering majors except Civil Engineering)	Elec Eng 301	3		

COMPUTER SCIENCE COURSES				
MCS 141 Computer Science I* (Computer Science, Computer Engineering) *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 250	3		
MCS 142 Computer Science II* (Computer Science, Computer Engineering) *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 251	3		
MCS 240 Computer Organization and Architecture* (Computer Science) *Computer Engineers & Computer Science students need to earn a C or better grade	Comp Sci 315	3		
MTH 244 Discrete Mathematics* (Computer Science, Computer Engineering) *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 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>				