

Transfer Guide

Manchester Community College Engineering Science	Western New England University Engineering
<i>Graduation Requirements</i>	<i>Equivalent Courses</i>
Semester 1	
ENG 101 Composition	ENGL 132 English Composition I
EGR 111 Introduction to Engineering	ENGR 103 Introduction to Engineering
MAT 254 Calculus I	MATH 133 Calculus I
CHE 121 General Chemistry I	CHEM 105 General Chemistry I
HIS 101 Western Civilization I	Historical Perspective
Semester 2	
ENG 110 Introduction to Literature	ENGL 133 English Composition II
MAT 256 Calculus II	MATH 134 Calculus II
Arts Requirement	General Elective (EE, IE, ME & CPE)
PHY 221 Calculus-Based Physics I	PHYS 133 Mechanics
EGR 230 C++ for Engineering	ENGR 105 Computer Programming for Engineers
Semester 3	
PHY 222 Calculus-Based Physics II	PHYS 134 Electricity and Magnetism
Engineering Elective	** see below
EGR 211 Engineering Statics	ME 202 Statics
PHL 111 Ethics	PH 208 Ethics (Ethical Perspective)
MAT 268 Calculus III: Multivariable	MATH 235 Calculus III
Semester 4	
Social Science Requirement	*see below
Engineering Elective	**see below
Engineering Elective	**see below
MAT 285 Differential Equations	MATH 236 Differential Equations

This is not an articulation agreement. This chart should serve as a reference for Manchester Community College students who eventually plan to transfer to Western New England University. We hope that this will aid you in working towards your academic goals and maximize the transfer credit applied towards a degree at Western New England University. Please reference our University Catalogue for additional information. A maximum of 70 semester hours may be transferred from two-year institutions.

* The following Manchester Community College courses will count towards satisfying Western New England University's general education requirements: PSY 111 General Psychology I or SOC 101 Principles of Sociology or any economics course.

****Biomedical:** EGR 221 Electric Circuits Analysis, BIO 121 General Biology, CHE 122 General Chemistry 2

****Civil:** EGR 212 Engineering Dynamics, CHE 122 General Chemistry 2, CAD 110 Intro. to CAD

****Computer:** ENGR 221 Electric Circuits Analysis, EET 252 Digital Electronics, MAT 274 Linear Algebra

****Electrical:** ENGR 221 Electric Circuits Analysis, EET 252 Digital Electronics, MAT 274 Linear Algebra

****Industrial Engineering:** ENGR 221 Electric Circuits Analysis, MAT 165 Statistics, MAT 274 Linear Algebra

****Mechanical:** EGR 221 Electric Circuits Analysis, EGR 214 Engr. Thermodynamics, EGR 212 Engr. Dynamics

Candidates for Electrical Engineering & Computer Engineering are encouraged to complete two four-credit circuits courses during their first two years of study and to complete a four-credit digital design course prior to enrolling. Without these three courses a student will require additional time to satisfy the bachelor's degree requirements.

Candidates for Mechanical and Industrial Engineering are encouraged to complete one four-credit circuits course prior to enrolling.