

Engineering

ENGINEERING REQUIREMENTS FOR ENTRY INTO WESTERN NEW ENGLAND UNIVERSITY ENGINEERING PROGRAM

Berkshire Community College

Engineering Requirements	Recommended Courses
Semester 1	
CHM-101: Introductory Chemistry I	CHEM 105: General Chemistry I
ENG-Eng 101: English Composition/Writing (<i>recommended</i>)	ENGL 132: English Composition I
ENT-115: Introduction to Engineering	ENGR 103: Intro to Engineering
MAT-151: Calculus I	MATH 133: Calculus I
Semester 2	
ENG-Eng 102: English Composition/Writing (<i>recommended</i>) or ENG 116: Tech Writing (<i>No Credit</i>)	ENGL 133: English Composition II
CHM-102 (or) Introductory Chemistry II (or) BIO-101: General Biology I	CHEM 106 (General Elective) Biol 107/117 (General Elective) (<i>Either course will satisfy a basic science requirement for IE. CHM 102 recommended for BME and CE majors.</i>)
MAT-152: Calculus II	MATH 134: Calculus II
ENT-161: Physics I: Mechanics	PHYS 133: Mechanics
ENT-185: Engineering Computer Applications	ENGR 105: Computer Prog for Engineers
Semester 3	
ENT 261 Physics II: Electricity & magnetism	PHYS 134 Electricity and Magnetism
MAT-251: Calculus III	MATH 235: Calculus III
MAT-253: Linear Algebra	MATH 306: Linear Alg (Technical Elective)
Technical Elective	**see below
General Education Elective	*see below
Semester 4	
MAT 218 Probability and Statistics	IE 212 Probability and Statistics
MAT-254: Differential Equations	MATH 236: Differential Equations
Technical Elective	**see below
Communication	General Elective
General Education Elective	*see below

This is not an articulation agreement. This chart should serve as a reference for Berkshire 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.

****Mechanical**—ENT-212 (Statics) and ENT 213 Strength of Materials

****Industrial**—ENT 212 (Statics) and ENT 203 (Linear Circuit Analysis) (Additional recommended course: BUS 112 -Financial Reporting)

****Electrical/Computer**—ENT-203 (Linear Circuit Analysis) and ENT-204 (Linear Circuit Analysis II) (It is recommended students take a Digital Logic course to allow flexibility within the EE/CPE major)

****Civil**—ENT 212 Statics and ENT 213 (Strength of Materials)

** **Biomedical**—ENT 203 (Linear Circuit Analysis) and BIO 101 (General Biology I)

*The following Berkshire Community College courses will count towards satisfying WNE's general university requirements. PSY 107 or SOC 105 (one); PHL 101 or PHL 102 (one); HIS 113 or HIS 114 (one)