

Engineering

GREENFIELD COMMUNITY COLLEGE Engineering Science Option	WESTERN NEW ENGLAND UNIVERSITY College of Engineering
GRADUATION REQUIREMENTS	EQUIVALENT COURSES
Program Requirements	
Any Course Coded 'ECO'	Social Systems Requirement
EGR 105 Intro. to Engr, Science, Tech, & Soc. (4 cr.)	ENGR 102 (1 cr.), ENGR 103 (4 cr.) and ENGR 110 (3 cr.)
EGR 107 Engineering Graphics (4 cr.) (<i>recommended</i>)	
EGR 114 Numerical Computing for Engineers	ENGR 105 Computer Prog. for Engineers
ENG 101 English Composition I	ENGL 132 English Composition I
ENG 112, 114, or 116 English Composition II	ENGL 133 English Composition II
MAT 201 Calculus with Analytic Geometry I	MATH 133 Calculus I
MAT 202 Calculus with Analytic Geometry II	MATH 134 Calculus II
MAT 203 Multivariate Calculus	MATH 235 Calculus III
MAT 204 Elem. Differential Equations (<i>recommended</i>)	MATH 236 Differential Equations
PHY 111 General Physics I with Calculus	PHYS 133 Mechanics
PHY 112 General Physics II with Calculus	PHYS 134 Electricity and Magnetism
Program Electives	
General Education Electives (6 credits) Please reference GCC catalogue	* see below
Concentration Electives (at least 14 credits) Please reference GCC catalogue	* see below

Candidates for Computer or Electrical Engineering at Western New England University are encouraged to complete 2 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 most likely require additional time to satisfy the bachelor's degree requirements for Computer or Electrical Engineering at Western New England University. This is due to prerequisite requirements and sequential course offerings. Candidates for Mechanical or Industrial Engineering are encouraged to complete one four-credit circuits course prior to enrolling at Western New England University.

** Recommended Concentration Electives:

Mechanical: EGR 205 Statics, EGR 206 Strength of Materials, EGR 209 Dynamics, CHE 111 General Chemistry I, EGR 211 Circuits I.
Additional Course: EGR 213 Engineering Statistics

Computer or Electrical: EGR 205 Statics, CHE 111 Gen. Chem. I, EGR 211 Circuit Analysis I, EGR 212 Circuit Analysis II, CPE 271 Digital Design (taken at WNE prior to enrolling)

Industrial: EGR 205 Statics, CHE 111 General Chemistry I, EGR 211 Circuits I, Basic Science Elec (BIO 126 or CHE 112), EGR 213 Engineering Statistics. Additional Course: ACC 152 Concepts of Financial Accounting II

Civil: EGR 205 Statics, EGR 206 Strength of Materials, EGR 209 Dynamics, CHE 111 General Chemistry I, CHE 112 General Chemistry II.
Additional Course: EGR 213 Engineering Statistics

Biomedical: Bio 126 Biology I, MATH 235 Calculus 3, CHE 112 General Chemistry II, EGR 211 Circuits I, EGR 213 Engineering Statistics, CHE 111 General Chemistry I