

Engineering

Engineering	WESTERN NEW ENGLAND UNIVERSITY Engineering
GRADUATION REQUIREMENTS	EQUIVALENT COURSES
Semester 1	
CHM 123 Principles of Chemistry for Engineering I (or) CHM 105 Principles of Chemistry I	CHEM 105 General Chemistry I
ENG 101 Composition I	ENGL 132 English Composition I
ERG 101 Engineering Design & Graph Using CAD	*ENGR 103 Intro to Engineering
Social Science Elective	*See below
MAT 233 Calculus I	MATH 133 Calculus I
Semester 2	
CHM 124 Principles of Chemistry for Engineering II (or) CHM 104 Principles of Chemistry I	CHEM 106 (For BME and CE majors)
ERG 280 Engineering Computation	*ENGR 105 Computer Programming for Engineers
MAT 234 Calculus II	MATH 134 Calculus II
PHY 105 General Physics I	PHYS 133 Mechanics
Summer	
BIO 107 Biology II: Intro to Cells and Molecules	BIO 107 (For BME majors)
ENG 102 Composition II	ENGL 133 English Composition II
Semester 3	
ERG 211 Introduction to Materials Science	ME 309 Material Science (For ME majors)
ERG 221 Statics	ME 202 Statics (For ME, CE, IE majors)
MAT 235 Calculus III	MATH 235 Calculus III
MAT 237 Probability and Stats for Engr and Science	IE 212 Probability and Statistics
PHY 107 General Physics II <i>(recommended)</i>	PHYS 134 Electricity and Magnetism
Semester 4	
ERG 223 Thermodynamics	ME 303 Thermodynamics (For ME majors)
ERG 225 Strength of Materials	ME 208 Mechanics of Materials (For CE and ME majors)
MAT 238 Differential Equations	MATH 236 Differential Equations
MAT 245 Linear Algebra	MATH 306 (Technical Elective)
PHY 207 General Physics III	PHYS 301 Optics (general elective)

*It is recommended that students take both ERG 101 and ERG 280 to earn credit for WNE's ENGR 103 and ENGR 105.

** For students interested in Electrical or Computer Engineering it is strongly recommended to take ELT 103 EC & AC Circuits and another approved Circuits II course prior to enrolling at WNE. Without these two courses it will take longer to complete the degree. Students must complete MAT 233 and 234 in order to receive credit for ELT 103.

This is not an articulation agreement. This guide should serve as a reference for Quinsigamond Community College students who eventually plan to transfer to Western New England University. A maximum of 75 semester hours may be transferred from two-year institutions.