

Engineering

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE Engineering Transfer Option	WESTERN NEW ENGLAND UNIVERSITY College of Engineering
GRADUATION REQUIREMENTS	EQUIVALENT COURSES
Semester 1	
ENG 101 English Composition 1	ENGL 132 English Composition I
CHM 111/111L General Chemistry 1	CHEM 105 General Chemistry I
MAT 131 Calculus 1	MATH 133 Calculus I
Elective: Social Science/Behavioral	* see below
CSC 111 Intro. to the Java Program Lang. (or) EGR 103/103L Comp. Appl. in Engr. (<i>recommended</i>)	ENGR 105 Computer Prog. for Engineers ENGR 103 Intro. to Engineering
Semester 2	
PHY 231/231L Classical Physics 1	PHYS 133 Mechanics
MAT 132 Calculus 2	MATH 134 Calculus II
ENG 102 English Comp.2: Intro. to Lit.	ENGL 133 English Composition II
CHM 112/112L General Chemistry 2 (or) BIO 201/201L General Biology	CHEM 106 General Chemistry II (Gen. Elective) BIOL 107 General Biology I (Gen. Elective) (<i>Either course will satisfy a basic science requirement for IE. CHM 112 is required for CE and BME majors</i>)
CSC 100/100L Intro. to Computer Science (or) CSC 111/111L Intro. to the Java Prog. (<i>recommended</i>)	ENGR 105 Computer Prog. for Engineers (or) ENGR 105 Computer Prog. for Engineers
Semester 3	
PHY 232/232L Classical Physics 2	PHYS 134 Electricity and Magnetism
MAT 233 Calculus 3	MATH 235 Calculus III
Elective: Engineering & Science Transfer	** see below
Elective: Behavioral/Social Science	* see below
Elective: Math/Science/Engineering	** see below
Semester 4	
Elective: Engineering & Science Transfer	** see below
Elective: Engineering & Science Transfer	** see below
Elective: Math, Science, or Engineering	** see below
EGR 211 Prob. & Statistics for Engineers (or) MAT 240 Linear Algebra (or) MAT 255 Differential Equations (<i>recommended</i>)	IE 212 Probability & Statistics No Credit MATH 236 Differential Equations
Elective: Humanities/Social Science/Behavioral	* see below (<i>history course recommended</i>)

This is not an articulation agreement. This chart should serve as a reference for Springfield Technical Community College students who eventually plan to transfer to Western New England University.

* The following Springfield Technical Community College courses will count towards satisfying Western New England University's general University requirements: PHL 101 Philosophy I, PSY 101 General Psychology, or SOC 101 Intro to Sociology, or any economics course (one); and any history course (one).

**** Recommended Springfield Technical Community College Engineering courses:**

****Mechanical**—EGR 121 Mechanics 1 (Statics), EGR 221 Circuit Analysis 1 (must be taken with EGR 225), EGR 219 Mechanics of Materials, EGR 122 Mechanics 2, EGR 211 Probability & Statistics; EGR 229 Engineering Thermodynamics 1

****Industrial**—EGR 121 Mechanics 1 (Statics), EGR 221 Circuit Analysis 1 (must be taken with EGR 225), EGR 211 Probability and Statistics for Engineers, ACC 101 Accounting 1 (may not satisfy STCC requirements), MATH 240 Linear Algebra

****Electrical/ Computer**—EGR 121 Mechanics 1 (Statics), EGR 221 Circuit Analysis 1 (must be taken with EGR 225), EGR 222 Circuit Analysis 2, (must be taken with EGR 226) CSC 210 Computer Organization and Digital Logic, EGR 211 Probability & Statistics

****Civil**—EGR 121 Mechanics 1 (statics), EGR 122 Mechanics 2, EGR 219 Mechanics of Materials, EGR 211 Probability & Statistics, EGR 229 Engineering Thermodynamics I

**** Biomedical**—CHM 112/112L General Chemistry 2, EGR 221 Circuit Analysis 1 (Must be taken with EGR 225), BIO 201/201L General Biology