

BERGEN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Science Engineering Science</i>		<i>Bachelor of Science in Electrical and Computer Engineering</i>	
Course	Credit	Course	Credit
First Semester: 17 credits			
CHM140 General Chemistry I	3	CHEM 107 Engineering Chemistry I	4
CHM141 General Chemistry Laboratory I	1	Combined for CHEM 107 credit	-
DFT107 Drafting I	2	Elective	2
MAT280 Calculus I	4	MATH 170 Calculus I	4
PHY280 Physics I	4	PHYS 170 General Physics I	4
WRT101 English Composition I	3	WRIT 101 College Composition I	3
Second Semester: 18 credits			
CHM240 General Chemistry II	3	Liberal Arts Elective	3
CHM241 General Chemistry Laboratory II	1	Elective	1
CIS270 Programming for Scientific Applications	3	CSCI 120 Programming I	3
MAT281 Calculus II	4	MATH 180 Calculus II	4
PHY290 Physics II	4	PHYS 180 General Physics II	4
WRT201 English Composition II	3	WRIT 151 College Composition II	3
Third Semester: 16 credits			
MAT282 Calculus III	4	MATH 260 Calculus III	4
PHY291 Physics III	4	PHYS 225 Introduction to Modern Physics	3
Humanities Elective: Restricted to History	3	History Requirement	3
Social Science Elective: Restricted to one course in Psychology, Sociology, or Anthropology	3	Behavioral Science Requirement	3
WEX101 Dynamics of Health and Fitness	2	-	-
Fourth Semester: 15 credits			
MAT283 Differential Equations	4	MATH 320 Differential Equations	3
PHY294 Engineering Mechanics	4	MENG 211 Engineering Mechanics	3
Humanities Elective: Restricted to Philosophy	3	Philosophy Requirement	3
Social Science Elective: Restricted to Economics	3	Economics Requirement	3
WEX...Dynamics of Health & Fitness Experience	1	-	-
TOTAL	66	TOTAL	60