UNION COUNTY COLLEGE (UNION) & KEAN UNIVERSITY (KEAN)
TRANSFER GUIDE ENGINEERING (A.S.) AT UNION
TO B.S. COMPUTER SCIENCE AT KEAN (78305)

UNION COURSE	CRS.	KEAN EQUIVALENT COURSE	CRS.
CHE 111 + CHEL111 General Chemistry I (Lecture & Lab)	4	CHEM 1083 Chemistry I	4
EGG 111 + EGG 111 Engineering & Computer Graphics (Lecture + Lab)	2	ID 1400 Computing in Modern Society	3
ENG 101 English Comp I	3	ENG 1030 College Composition	3
MAT 171 Unified Calculus I	4	MATH 2415 Calculus I	4
EGG 105 Intro to Fundamentals of Engineering	3	TECH 1010 Information Technology Foundations	3
Credits	16		
ENG 102 English Composition II	3	GE 2024 Research and Technology	3
CSC 101 Computer Algorithms	4	CPS 1231 Fund. of Computer Science	4
MAT 172 Unified Calculus II	4	MATH 2416 Calculus II	4
PHY 111 + PHYL111 Mechanics (Lecture + Lab)	4	PHYS 2095 Physics I	4
Credits	15		
CSC 102 Data Structures	3	CPS 2231 Computer Organization and Programming	4
MAT 271 Unified Calculus III	4	MATH 3415 Calculus III	4
PHY 201 + PHYL201 Electricity & Magnetism (Lecture + Lab)	4	PHYS 2096 Physics II	4
HIS 103 or 104 Intro To World History I or II	3	HIST 1062 Worlds of History	3
Credits	14		
CSC 222 Org, Operation and AL	3	CPS 2390 Organization and Architecture	3
MATH 267 Discrete Mathematics	3	MATH 2110 Discrete Structures	3
MAT 272 Differential Equations	4	MATH 3455 Differential Equations	3
ECO 201 Principles of Economics I Or ECO 202 Principles of Economics II	3	ECO 1020 Principles of Economics I Or ECO 1021 Principles of Economics II	3
ENG 209 World Literature	3	ENG 2403 World Literature	3
Credits	17		
TOTAL UNION CREDITS	62	TOTAL CREDITS TRANSFERABLE TO KEAN	62