	C			
	Course			C
Course Name	Number	Duono anisitos	Comaga	Course Units
	(w/ Links)	Prerequisites	Coreqs	Units
Fall Freshman Year			MAT127	
Conoral Chamiature I	CHE201	2000	b/c same	1.0
General Chemistry I	CHE201	none		1.0
Fundamentals of Engineering Design			reqs	
(or CSC220)	ENG144	none	none	1.0
Introduction to Engineering	ENG095	none	none	0.0
Engineering Seminar I	ENG091	none	none	0.0
First-Year Writing (if not		none	none	
exempted)*	FYW102	none	none	(1.0)
•		see note on freshmen math		
Calculus A	MAT127	placement below	none	1.0
		paweinent eere	MAT125	
General Physics I	PHY201	none	or	1.0
General Hysics 1		110110	MAT127	
Spring Freshman Year				
Computer Science I (or ENG144)	CSC220	none	none	1.0
Engineering Seminar II	ENG092	none	none	0.0
Calculus B	MAT128	MAT127	none	1.0
Conoral Physics II	PHY202	PHY201 AND MAT 127	MAT128	1.0
General Physics II	PH 1 202	PH 1201 AND MAT 127	(suggest)	1.0
First Year Seminar*	FYS16X	none	none	1.0
Creative Design	TST161	none	none	1.0
Fall Sophomore Year				
Modern Physics	PHY321	MAT127 AND PHY202	one	1.0
Computer Science II	CSC230	CSC220 (>=C)	none	1.0
Circuits Analysis	ENG212	PHY202 (>=C-)	ENG272	1.0
Circuits Analysis Laboratory	ENG214	none	ENG212	0.5
Adv. Engineering Mathematics I	ENG272	MAT128	none	1.0
Digital Circuits and Microprocessors	ENG312	none	CSC220	1.0
Spring Sophomore Year				
		CSC220 (>=C) OR		
Discrete Structures	CSC270	CSC230 (>=C) AND	none	1.0
Discrete structures	0.2001	MAT127 (>=C)		
Electronics	ELC251	ENG212 AND ENG272	none	1.0
Systems and Signals	ELC321	ENG272	ENG212	1.0
Electronics Lab	ELC333	none	ELC251	0.5
Multivariable Calculus	MAT229	MAT128	none	1.0
Principles of Microeconomics	ECO101	MAT095 OR MAT096	none	1.0
Fall Junior Year				
Software Engineering	CSC415	CSC220 (>=C)	none	1.0
Microcomputer Systems (Lab)	ELC343	none	ELC411	0.5
Engineering Seminar III	ENG093	none	none	0.0
Computer Architecture and Org.	ELC451	ENG312		1.0
Computer Engineering Laboratory I	ELC363	none	ELC451	0.5

Embedded Systems	ELC411	ELC251 AND ELC312	none	1.0
Technical Elective: ECE Discipline		At least ELC251 AND	At least	1.0
or Engineering (by advisement)		ELC321	ELC451	
Spring Junior Year				
Engineering Seminar IV	ENG094	none	none	0.0
Mathematics Elective*	ENG342 or STA215	varies	varies	1.0
Control Systems	ENG352	ENG212 AND ENG272	none	1.0
Control Systems Laboratory	ENG354	none	ENG352	0.5
Engineering Economy	ENG372	MAT128 AND ECO101	none	1.0
Technical Elective: ECE Discipline or Engineering (by advisement)		At least ELC251 AND ELC321	At least ELC451	1.0
Systems Engineering	ENG348	ENG212 OR ENG222	none	0.5
Fall Senior Year				
Digital Signal Processing	ELC423	ENG312 AND ELC321	none	1.0
Signal Processing Lab	ELC433	none	ELC423	0.5
Society, Ethics and Technology	IDS252	none	none	1.0
Senior Project I	ELC495	ENG348, ELC411, AND ENG352	none	0.5
Senior Professional Seminar	ENG099	none	none	0.0
Technical Elective: ECE Discipline or Engineering (by advisement)		At least ELC251 AND ELC321	At least ELC451	1.0
Liberal Learning Elective (by advisement)		none	none	1.0
Spring Senior Year				
Operating Systems	CSC345	MAT127, CSC230, ELC451, AND CSC270 (>=C)	none	1.0
Computer Engineering Laboratory II	ELC463	ELC363	none	0.5
Senior Project II	ELC496	ELC495	none	0.5
Technical Elective: ECE Discipline or Engineering (by advisement)		At least ELC251 AND ELC321	At least ELC451	1.0
Liberal Learning Elective (by advisement)		none	none	1.0
39 course units are required for the accepted as equivalent to TCNJ coulous even though the course content is so complete additional coursework to	Total	39.0		