

**UNCP Department of Chemistry and Physics
Requirements for '3 + 2' Program Electrical Engineering
(124 total credit hours)**

Freshman Seminar (1 credit hour)						
General Education (44 credit hours)						
PROPOSED 3-PLUS-2 UNCP Physics Curriculum Plan						
Fall Semester YEAR 1				Spring Semester YEAR 1		
Course Number	Course Title	Credit Hours		Course Number	Course Title	Credit Hours
ENG 1050	English Composition I	3		ENG 1060	English Composition II	3
CHM 1300	General Chemistry	3		CHM 1310	General Chemistry II	3
CHM 1100	General Chemistry Lab I	1		CHM 1110	General Chemistry Lab II	1
MAT 2210	Calculus I	4		MAT 2220	Calculus II	4
PHY 2000	University Physics I	3		PHY 2010	University Physics II	3
PHY 2060	University Physics Lab I	1		PHY 2070	University Physics Lab II	1
FRS 1000	Freshman Seminar	1			Gen Ed PED	1
		16				16
Fall Semester YEAR 2				Spring Semester YEAR 2		
Course Number	Course Title	Credit Hours		Course Number	Course Title	Credit Hours
	General Education	3			General Education	3
MAT 3310	Calculus III	4		MAT 3320	Differential Equations	3
CSC 2050	Intro to Programming-C/C++	3		PHY 2180	Optics	3
PHY 2560	Modern Physics	4		PHY 2210	Hardware/Software Con	3
PHY 3000	Classical Mechanics	3		PHY 3560	Modern Electronics	3
PED 1010	Wellness and Fitness	1		PHY 3360	Mathematical Physics	3
		18				18
Fall Semester YEAR 3				Spring Semester YEAR 3		
Course Number	Course Title	Credit Hours		Course Number	Course Title	Credit Hours
	General Education	3			General Education	3
	General Education	3		MAT 3150	Linear Algebra I	3
PHY 3880	Advanced Comp Physics	3		PHY 4000	Quantum Mechanics	3
PHY 3260	Heat and Temperature	3		PHY 4990	Independent Study	3
PHY 3200	Electricity and Magnetism I	3		PHY 3210	Electricity and Magnetism II	3
PHY 4200	Advanced Lab I	3		PHY 4210	Advanced Lab II	3
		18				18