

**CENTRAL CONNECTICUT STATE UNIVERSITY**

*School of Engineering Science and Technology*

**Physics Major B.S. (non-teaching, Finance Concentration)**

**Name:** \_\_\_\_\_ **ID#:** \_\_\_\_\_ **Matriculation Semester:** \_\_\_\_\_ **Date:** \_\_\_\_\_

<u>GENERAL EDUCATION (46 - 47 credits)</u>		Crs.	Grd.	<u>MAJOR</u>		Crs.	Grd.		
<u>STUDY AREAS</u>				<u>PHYSICS: = (37 credits)</u>					
<u>Study Area I Arts &amp; Humanities (9 credits)</u>				PHYS 125 University Physics I					
ENG literature	3		PHYS 126 University Physics II				4		
	3		PHYS 220 Mechanics I				4		
	3		PHYS 250 Intermediate Lab I				3		
<u>Study Area II Social Sciences (9 credits)</u>				PHYS 305 Foundations of Electricity and Magnetism				1	
History	3		PHYS 320 Heat and Thermodynamics				3		
	3		PHYS 325 Optics				3		
	3		PHYS 331 Electronics I				4		
<u>Study Area III Behavioral Sciences (6 credits)</u>				PHYS 350 Intermediate Lab II				3	
	3		PHYS 425 Modern Physics				1		
	3		PHYS 450 Advanced Laboratory				3		
<u>Study Area IV Natural Sciences (6 or 7credits)</u>				PHYS 460 Seminar in Physics				1	
(double-counted in major)	X	X	PHYS 470 Quantum Mechanics I				3		
(double-counted in major)	X	X	PHYS 471 Quantum Mechanics II				3		
<u>SKILL AREAS</u>				<u>Related Requirements (28 Credits)</u>					
<u>Skill Area I Communication Skills (6 credits)</u>				CHEM 161 General Chemistry I				3	
WRT 105/105P/110 Writing	3		CHEM 162 General Chemistry 1 Lab				1		
	3		STAT 215 Statistics for Behav. Sciences				3		
<u>Skill Area II Mathematics Requirement (6 credits)</u>				MATH 222 Calculus III				4	
MATH 152 Caclulus I	4		MATH 226 or 228 Linear Algebra				4		
MATH 221 Calculus II	4		MATH 355 Intro. To Diff. Equations with Applications				4		
<u>Skill Area III Foreign Language Proficiency Req. (check one)</u>				AC 211 Intro. To Fincial Accounting				3	
- 3 sequential years of one foreign language at the high school level			ECON 200 Principles of Macroeconomics				3		
- passed a standardized foreign language exam			ECON 201 Principles of Microeconomics				3		
- completion of 112 or 114 foreign language course									
- successful completion of an upper level foreign language course									
- demonstration of native proficiency in a language other than English									
<u>Skill Area IV University Requirement (2 or 3 credits)</u>				<u>Finance Concentration(21 Credits)</u>					
PE 144 (required if matriculated with less than 15 credits)	2 or 3		FIN 295 Managerial Finance				3		
International Requirement	met		FIN 301 Intermediate Managerial Finance				3		
International Requirement	met		FIN 310 Principles of Investments				3		
First Year Experience Requirement	met		FIN 320 Financial Markets and Institutions				3		
GEN. ED. Total	34-35	0	FIN 410 Securities Analysis				3		
			FIN elective				3		
			FIN elective				3		
			FINAL TOTAL				121-122	0	

