EAST TENNESSEE STATE UNIVERSITY - COLLEGE OF ARTS AND SCIENCES DEPARTMENT OF CHEMISTRY CHEMISTRY MAJOR—CHEMICAL PHYSICS CONCENTRATION

Name:____

E#:_____

TBR Requirements: See other check sheet					
Chemical Physics Concentration Core (22 cr)	Grade	Pick one of the following (3 cr)	Grade		
CHEM 1110/11: General Chemistry I Lec/Lab		CHEM 4817: Introduction to Industrial Chemistry			
CHEM 1120/20: General Chemistry II Lec/Lab		CHEM 4900: Research (must take 3 hrs to satisfy requirement)	1st take 3 hrs to satisfy requirement)		
CHEM 2010: Organic Chemistry I Lecture		CHEM 4957: Special Topics			
CHEM 2011: Organic Chemistry I Lab					
CHEM 2020: Organic Chemistry II Lecture		Other Required Courses (14 cr)			
CHEM 2021: Organic Chemistry II Lab		MATH 1910: Calculus I			
CHEM 2220: Quantitative Analysis Lecture		MATH 1920: Calculus II			
		PHYS 2110: Technical Physics-Calculus Based			
CHEM 2221: Quantitative Analysis Lab (T)		PHYS 2120: Technical Physics-Calculus Based			
Additional Required Courses (27 cr)		Required Physics courses beyond first year (5-6cr)	Grade		
CHEM 3110: Descriptive Inorganic Chemistry		PHYS 3010: Classical Mechanics or			
CHEM 3611: Introductory Integrated Lab (W)		PHYS 3610: Introduction to Atomic and Nuclear Physics	: Introduction to Atomic and Nuclear Physics		
CHEM 3750: Physical Chemistry I		PHYS 3410: Modern Physics Lab			
CHEM 3760: Physical Chemistry II					
		Pick two of the following (6-8)			
CHEM 4010: Seminar in Chemistry (O) CHEM 4110: Advanced Inorganic Chemistry		PHYS 3510: Biophysics			
		PHYS 3710: Electricity and Magnetism			
· ·		PHYS 4007: Computational Physics			
CHEM 4200: Principles of Instrumental Analysis		PHYS 4117: Kinetics and Statistical Thermodynamics			
CHEM 4611: Advanced Integrated Lab- Dynamics (W)		PHYS 4617: Quantum Physics			
CHEM 4621: Advanced Integrated Lab– Structures (W)		Choice 1: Gra	de:		
CHEM 4631: Adv. Integrated Lab- Analytical Tech. (W)		Choice 2: Gra	de:		
CHEM 4147/57: Biochem. Of Macromolecules Lec/Lab					
OR		Other Bachelor of Science Required Courses			
CHEM4167/77: Biochem. Of Metabolism Lec/Lab		PHIL 2640: Science and the Modern World			
		SPCH 2320: Argumentation and Debate	Date		

(W) denotes course that satisfies a writing intensive course. (O) denotes course that satisfies an oral intensive course. (T) denotes a course that satisfies a technology intensive course.

Elective Requirements			3-6 cr			
Subject	Course #	Title	Hours	Grade		
Student Signature:						

Advisor Signature:_____