

**EAST TENNESSEE STATE UNIVERSITY — COLLEGE OF ARTS AND SCIENCES**  
**DEPARTMENT OF CHEMISTRY**  
**CHEMISTRY MAJOR—ACS CHEMISTRY CONCENTRATION**

Name: \_\_\_\_\_ E#: \_\_\_\_\_

**TBR Requirements: See other check sheet**

<b>ACS Chemistry Concentration Core (22 cr)</b>	<b>Grade</b>	<b>Pick one of the following (5 cr)</b>	<b>Grade</b>
CHEM 1110/11: General Chemistry I Lec/Lab	<input type="text"/>	BIOL 4147/57: Biochemistry of Macromolecules Lec/Lab	<input type="text"/>
CHEM 1120/20: General Chemistry II Lec/Lab	<input type="text"/>	BIOL 4167/77: Biochemistry of Metabolism Lec/Lab	<input type="text"/>
CHEM 2010: Organic Chemistry I Lecture	<input type="text"/>	Biochemistry Labs (W)	
CHEM 2011: Organic Chemistry I Lab	<input type="text"/>	<b>Select three credit hours from the following</b>	<input type="text"/>
CHEM 2020: Organic Chemistry II Lecture	<input type="text"/>	CHEM 4817 Introduction to Industrial Chemistry	<input type="text"/>
CHEM 2021: Organic Chemistry II Lab	<input type="text"/>	CHEM 4900: Research (1-3 cr)	<input type="text"/>
CHEM 2220: Quantitative Analysis Lecture	<input type="text"/>	CHEM 4957: Special Topics	<input type="text"/>
CHEM 2221: Quantitative Analysis Lab (I)	<input type="text"/>	<b>Other Required Courses (16-18 cr)</b>	<input type="text"/>
<b>Additional Required Courses (25 cr)</b>		MATH 1910: Calculus I	<input type="text"/>
CHEM 3110: Descriptive Inorganic Chemistry	<input type="text"/>	MATH 1920: Calculus II	<input type="text"/>
CHEM 3611: Introductory Integrated Lab (W)	<input type="text"/>	PHYS 2010/11: General Physics I Non-Calc Lec/Lab (W)	<input type="text"/>
CHEM 3750: Physical Chemistry I	<input type="text"/>	PHYS 2020/21: General Physics II Non-Calc Lec/Lab (W)	<input type="text"/>
CHEM 3760: Physical Chemistry II	<input type="text"/>	<b>OR</b>	<input type="text"/>
CHEM 4010: Seminar in Chemistry (O)	<input type="text"/>	PHYS 2110: Technical Physics I-Calculus Based	<input type="text"/>
CHEM 4110: Advanced Inorganic Chemistry	<input type="text"/>	PHYS 2120: Technical Physics II-Calculus Based.	<input type="text"/>
CHEM 4200: Principles of Instrumental Analysis	<input type="text"/>	<b>Other Bachelor of Science Required Courses</b>	
CHEM 4611: Advanced Integrated Lab— Dynamics (W)	<input type="text"/>	PHIL 2640: Science and the Modern World	<input type="text"/>
CHEM 4621: Advanced Integrated Lab— Structures (W)	<input type="text"/>	SPCH 2320: Argumentation and Debate	<input type="text"/>
CHEM 4631: Adv. Integrated Lab— Analytical Tech. (W)	<input type="text"/>		

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

<b>Elective Requirements</b>				<b>17-19 cr</b>	
Subject	Course #	Title	Hours	Grade	

Student Signature: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_