2000-2001

Bachelor of Science (Teaching) Checksheet for Chemistry Majors
Chemistry major with secondary science licensure in chemistry
215A

I. Core Curriculum Requirements: Courses totaling 32 s.h. must be completed in addition to the 12 s.h. of courses required for the major that will also meet core curriculum requirements (CHE 1101, 1110, 1102, 1120 and MAT 1110). Must complete ENG 1000 and 1100, HIS 1101 and 1102, 12 s.h. of humanities (courses must be from three different areas, including one literature course and one fine arts course), 6 s.h. of social science courses selected from two different areas and 2 s.h. of physical activity/wellness courses. **44**

Recommended humanities course: P&R 1100, Logic I (3 s.h.)
Recommended social science course: ECO 2030, Principles of Economic Price Theory (3 s.h.)

II. Professional Education Requirements: (Minimum GPA of 2.50 in 60 s.h. for entry in College of Education). (A 2.00 is required in all professional education courses.)

CI/SPE 2800 (W ,C)	Teachers, Schools & Learners	____ (3 s.h.)	PROFICIENCIES:
FDN 3800 (CD)	Found.Amer. Ed.	____ (3 s.h.)	Reading ___
CI/FDN/RE 3850 (C)	Literacy, Tech. & Inst	____ (3 s.h.)	English ___
PSY 3000 (MC, CD)	Educ. Psy.	____ (3 s.h.)	Speech ___
CI 4900	Student Teaching	____(12 s.h.)	

24

NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT). Note, however, that Professional Knowledge and the Area Exam are required for licensure. Only CI/SPE 2800 and PSY 3000 may be taken prior to formal admissions into the Teacher Education Program.

III. Major Requirements (32 s.h. of Chemistry)

Note: A 2.0 average must be maintained in the major. (All courses in section III.)

CHE 1101 (ND)	Introductory Chemistry I	____ [3 s.h.]
CHE 1110	Introductory Chemistry I Lab	____ [1 s.h.]
CHE 1102 (ND)	Introductory Chemistry II	____ [3 s.h.]
CHE 1120	Introductory Chemistry II Lab	____ [1 s.h.]
CHE 2210 (W)	Quantitative Analysis	____ [4 s.h.]
CHE 3000 (S)	Introduction to Chemical Research	____ [1 s.h.]
CHE 3301 (C)	Physical Chemistry I	____ [3 s.h.]
CHE 3303 (W)	Physical Chemistry I Laboratory	____ [1 s.h.]
CHE 3404	Inorganic Chemistry	____ [3 s.h.]
CHE 3520	Instructional Assistance	____ [1 s.h.]

Experience as a tutor through the Learning Assistance Program or the Supplemental Instruction Program is strongly recommended.

Major Designators
2 Writing (W) ___ ___
1 Speaking (S) ___
Communication Proficiency ___
Other Designators
4 Writing (W) ___ ___ ___ ___
(ENG 1000/1100 will count as 2 W)
4 Multi Cultural (MC) ___ ___ ___ ___
(HIS 1101/1102 will count as 2 MC)
1 Cross Disciplinary (CD) ___
2 Numerical Data (ND) ___ ___
2 Computer (C) ___ ___

CHOOSE:

CHE 2101	Fundamentals of Organic Chemistry	____ [3 s.h.]
CHE 2203	Organic Chemistry I Lab	____ [1 s.h.]

Plus an additional 7 s.h. of chemistry courses (CHE 4580, Biochemistry I is recommended) _____

OR

CHE 2201	Organic Chemistry I	____ [3 s.h.]
CHE 2203	Organic Chemistry I Lab	____ [1 s.h.]
CHE 2202	Organic Chemistry II	____ [3 s.h.]
CHE 2204 (W)	Organic Chemistry II Lab	____ [1 s.h.]

Plus an additional 3 s.h. of chemistry courses (CHE 4580, Biochemistry I is recommended) _____

Physics (10 s.h.)
PHY 1150 (W, ND) Analytical Physics I ____ PHY 1151(W, ND) Analytical Physics II ____

Mathematics* (8 s.h.)
MAT 1110 (ND) Calculus with Analytic Geometry I ____ MAT 1120 (ND) Calculus with Analytic Geometry II ____
***Students taking a college algebra course before MAT 1110 should enroll in MAT 1025, Algebra and Elementary Functions**

Education (4 s.h.)

CI 3090	Teaching H.S. Science	____ [2 s.h.]
RE 4630	Reading in the Content Area	____ [2 s.h.]

Other Sciences (8 s.h.)
BIO 1110 Concepts of Biology _____ GLY 1101 (ND) Introduction to Physical Geology _____ **62**
Core Curr. **–12**

IV. Minor (optional)

V. Free Elective - at least one 4 s.h. elective. **4**
122