

Chemistry 9-12 – Teaching Certification Requirements

Name:**Student #:**

Note: SBU reserves the right to amend the curriculum and require teaching certificate candidates to graduate under a program which reflects the state certification requirements in force at the time of graduation.

GPA Requirements:

- ◆ 2.5 overall and in the certificate subject area
- ◆ 2.5 in professional education courses with no grade lower than a "C"

Assessments:

- ◆ ACT/SAT scores
- ◆ APT/MFT, if applicable
- ◆ C-BASE – pass all sections
- ◆ Praxis II – passing score

Professional Education Sequence

Course #	Course Title	Hours	Grade	Semester/ Year
EDU 2113	Educational Psychology (F/S)	3		
EDU 2313	Foundations of Education-Secondary (F/S)	3		
EDU 2141	Field Experience 1 (Observing & Assisting) in the Secondary 9-12 or K-12 School (F/S/J) <i>Pre-enrollment required in EDU dept</i> <ul style="list-style-type: none"> ◆ 2.0 GPA ◆ Education file complete ◆ Completed EDU 2113 or 2313 OR be concurrently enrolled in one or both 	1		
EDU 2823	Technology for Educators (F/S)	3		
PSY 4033	Adolescent Development (F)	3		

Before continuing Professional Sequence, the following prerequisites must be met:

- ◆ C-BASE – pass all sections
- ◆ 2.5 overall GPA
- ◆ EDU 2113, 2313, 2141

EDU 3333	Principles & Methods of Secondary School (F/S)	3		
EDU 3341	Field Experience Level 2 in the Secondary School (must be taken concurrently with EDU 3333) (F/S) <i>Pre-enrollment required in EDU dept</i>	1		
EDU 3613	Teaching Reading in the Content Area (F/S)	3		
EDU 3833	Behavior & Classroom Management – Secondary (F/S) [EDU 3333 is a recommended pre-requisite]	3		
EDU 4522	Methods of Teaching Science in Middle/Secondary Schools (S, even)	2		

Before beginning Student Teaching Semester, the following prerequisites must be met:

- ◆ Praxis II – passing score

EDU 4691	Student Teaching Seminar (BLOCK) (F/S)	1		
EDU 4832	Assessment & Evaluation of Learners (BLOCK) (F/S)	2		
EDU 4842	Teaching Diverse Learners (BLOCK) (F/S)	2		
EDU 4949	Student Teaching in the Secondary School (BLOCK) (F/S)	10		
TOTALS	Professional Education Sequence	40		
	Chemistry Certification Requirements	58		

Chemistry Certification Requirements

Chemistry (minimum 30 hours) If Chemistry is your declared major, you must meet the Chemistry Department's requirements also. Please consult the college catalog.

		Hrs	Grade	Semester/ Year
CHE 1115	General Chemistry I (F)	5		
CHE 1125	General Chemistry II (S)	5		
CHE 3002	Environmental Chemistry (S, even)	2		
CHE 3304	Organic Chemistry I (F)	4		
CHE 3314	Organic Chemistry II (S)	4		
CHE 3345	Analytical Chemistry (S)	5		
CHE 3364	Biochemistry (F, odd)	4		
CHE 3371	Seminar in Chemistry I (S)	1		

Required Support Course (19 hours)

BIO 1004	Principles of I Biology I (F/S)	4		
PHY 1115	General Physics I (F)	5		
PHY 1125	General Physics II (S)	5		
MAT 1195*	Analytcs & Calculus I (F/S) <small>* Approved general education alternative for MAT 1143</small>	5		
SCF 3412	Chemistry Through the Eyes of Faith (S, even)	2		

Additional Science Courses (7 hours)

PHS 1114	Introduction to Earth Science (F/J)	4		
PHS 3303	History & Philosophy of Science & Technology (F, even)	3		

Completing this program will allow the student to have General Science 9-12 as a second area of certification.

Additional Requirements to add a BS in Chemistry:

CHE 3354	Instrumental Analysis (F, odd)	4		
CHE 4471	Seminar in Chemistry II (S)	1		

CHE hours must total 35 hours for the BS degree.