

**BACHELOR OF ARTS/SCIENCE
CHEMISTRY with SECONDARY CERTIFICATION
2011-2012**

BA
BS

GENERAL EDUCATION CORE				
SKILLS COMPONENT	REQ	DONE	GRADE	NEED
ENGL 101 & 102	6			
ENGL 109				
COMM 101, 202, 203, 204, 205	3			
MATH 143 & 144 OR MATH 147	5			
HUMANITIES one Lit and one Art course (6 cr. required)				
ENGL 150, ENGL 257, ENGL 258, HUM 301	3			
ART 100, HUM 101, HUM 150, MUS 101, THEA 101	3			
NATURAL SCIENCES two courses required (7 cr. required)				
NS 150	3			
CHEM 111	4			
SOCIAL SCIENCE three courses required (9 cr. required)				
PSYC 205	3			
<i>and two of the following:</i>				
ANTH 102, 120, 170	6			
ECON 101, 102, 201, 202				
GEOG 102				
HIST 101, 102, 111, 112, 115				
HRPT 184, 185				
POLS 101, 285				
PSYC 101				
SOC 101, 102				
SS 150, 184, 185				
INTEGRATIVE COMPONENT one course required				
ID, HUM, NS, SS 350	3			
ID, HUM, NS, SS 351				
TOTAL	39			

FOREIGN/HERITAGE LANGUAGE	REQ	DONE	GRADE	NEED
101	4			
102	4			
201	0			
202				
TOTAL	8			

SUMMARY				
GENERAL EDUCATION CORE	39			
ELECTIVES	0			
LANGUAGE	8			
NATURAL SCIENCE PROGRAM	50			
SECONDARY EDUCATION	37			
TOTAL	134			

128 Total Credit (minus remedial):

36 Upper Div. Credit:

32 Resident Credit (LCSC):

Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors. (see below)

★See Catalog section "Education Division: Secondary Teacher Certification" regarding certification requirements for this major. Selective course choices could be affected.

CHEMISTRY PROGRAM				
PROGRAM REQUIREMENTS	REQ	DONE	GRADE	NEED
CHEM 111 Principles of Chemistry I				Counted in core
CHEM 112 Principles of Chemistry II	4			
CHEM 305 Physical Chemistry I	3			
CHEM 306 Physical Chemistry II	3			
CHEM 325 Quantitative Analysis	4			
CHEM 371/373 Organic Chemistry I/Lab	4			
CHEM 372/374 Organic Chemistry II/Lab	4			
CHEM 454 Instrumental Analysis	4			
CHEM 481 Biochemistry I	4			
MATH 143/144 Precalc Algebra/Precalc Trig OR MATH 147 Precalculus				Counted in core
MATH 170 Calculus I	4			
NS 380 Senior Seminar	1			
PHYS 111/211 Physics I	4			
PHYS 112/212 Physics II	4			
SELECTIVES -upper division science or math courses (see note below★)				
	7			
TOTAL	50			

SECONDARY EDUCATION CERTIFICATION REQUIREMENTS				
<i>Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.</i>				
PHASE I - Professional Foundations of Education	REQ	DONE	GRADE	NEED
ED 214 Princ of Educ/Field Experience	3			
ED 318 Assessment of Learning	3			
ED 321 Educational Psychology	3			
PHASE II - Professional Studies in Education				
ED 329 Culturally Responsive Classroom	1			
ED 453 Media & Tech for Tchg 6-12	3			
ED 454 Professional Teaching Strategies	3			
ED 456 Content Methods	2			
RE 422 Reading in the Content Area	3			
SE 322 Inclusion Strategies K-12	3			
PHASE III - Professional Internship (taken as your final semester)				
ED 452 Internship Seminar	1			
ED 460 Professional Internship in Educ 6-12	12			
Subtotal Credits - Secondary Ed Certification	37			
TOTAL CREDITS - Chemistry Major w/Sec Ed Cert	87			

No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary education course.

A minimum cumulative GPA of 2.75 is required for admission into the Secondary Teacher Education Program. Candidates must also maintain a 3.0 cumulative GPA in their content area classes.

Additional requirements must be met for teacher certification. See your Education Division advisor for details.

NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS