

Student Name \_\_\_\_\_

ID Number \_\_\_\_\_

BS   
BA **BACHELOR OF SCIENCE/ARTS in CHEMISTRY with SECONDARY CERTIFICATION 2009-2010**

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 <b>OR</b>	5			
MATH 147				
<b>HUMANITIES one Lit and one Art course (6 cr. required)</b>				
ENGL 150, ENGL 257, ENGL 258, HUM 301	3			
ART 100, HUM 101, HUM 150, MUS 101, THE	3			
<b>NATURAL SCIENCES two courses required (7 cr. required)</b>				
NS 150	3			
CHEM 111	4			
<b>SOCIAL SCIENCE three courses required (9 cr. required)</b>				
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				
HRPT 184, 185				
PHIL 120				
POLS 101, 285				
PSYC 101				
SOC 101, 102				
SS 150, 184, 185				
<b>INTEGRATIVE COMPONENT one course required</b>				
ID, HUM, NS, SS 350	3			
ID, HUM, NS, SS 351				
<b>TOTAL</b>	<b>39</b>			

FOREIGN/HERITAGE LANGUAGE				
	REQ	DONE	GRADE	NEED
101	4			
202				
201	0			
202	0			
<b>TOTAL</b>	<b>8</b>			

SUMMARY				
GENERAL EDUCATION CORE	39			
ELECTIVES	0			
LANGUAGE	8			
NATURAL SCIENCE PROGRAM	50			
SECONDARY EDUCATION	33			
<b>TOTAL</b>	<b>130</b>			

**128 Total Credits (minus remedial):****36 Upper Div. Credits:****32 Resident Credits (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.

**NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS**

Beginning Fall 2009, ED 327 will be replaced with ED 318 &amp; ED 321 and SE 407 will be replaced with SE 322.

Please see your advisor for assistance.

**NATURAL SCIENCES:**

Adviso \_\_\_\_\_ Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

(printed)

Division \_\_\_\_\_ Division Chair's Signature \_\_\_\_\_ Date \_\_\_\_\_

**EDUCATION:**

Adviso \_\_\_\_\_ Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

(printed)

Division \_\_\_\_\_ Division Chair's Signature \_\_\_\_\_ Date \_\_\_\_\_

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	College Algebra/Trigonometry				Counted in core
	or MATH 147 PreCalculus				
MATH 170	Calculus I	4			
NS 380	Senior Seminar	1			
PHYS 111 or 211	... Physics I	4			
PHYS 112 or 212	... Physics II	4			
<b>SELECTIVES -upper division science or math courses (see note below★)</b>					
		7			
<b>TOTAL</b>		<b>50</b>			

**SECONDARY EDUCATION CERTIFICATION REQUIREMENTS**

Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.

PHASE I - Professional Foundations of Education		REQ	DONE	GRADE	NEED
ED 214	Princ of Educ/Field Experience	3			
ED 327	Theories of Learning:Instr. & Assessmt	3			see note
<b>PHASE II - Professional Studies in Education</b>					
RE 422	Reading in the Content Area	3			
ED 453	Media & Tech for Tchg 6-12	3			
ED 454	Professional Teaching Strategies	3			
ED 456	Content Methods	2			
ED 329	Culturally Responsive Classroom	1			
<b>PHASE III - Professional Internship (taken as your final semester)</b>					
ED 452	Internship Seminar	1			
ED 460	Professional Internship in Educ 6-12	12			
SE 407	Adaptive Teaching	2			see note
<b>Subtotal Credits - Secondary Ed Certification</b>		<b>33</b>			
<b>TOTAL CREDITS - Chemistry Major w/Sec Ed Cert</b>		<b>83</b>			

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.