

**University of Saint Francis**  
**Bachelor of Science in Education**  
**Chemistry Secondary Education/Exceptional Needs-Mild Intervention**

**Effective Date: 8-10**

**Licensable Areas;**  
**Content: Chemistry**  
**Content: Exceptional Needs-Mild Intervention**

**School Setting: Secondary/Middle**  
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Name: \_\_\_\_\_ ID# \_\_\_\_\_

Advisor: \_\_\_\_\_ Expected Graduation Date \_\_\_\_\_

Evaluation Date:

Evaluation Update:

*PT=WORK IN PROGRESS CURRENTLY PENDING TRANSFER*

**By Placement Courses: 0-10 credit hours**

GE Outcome	GE Approved Courses	CR	Plan to Take	Date Taken or Transferred	Repeat	Final Grade
<b>Computer Literacy</b> LO 13	CIS 101, 102, 103 By Placement (no credit toward degree)	0-3				
<b>English</b>	ENGL 100 By Placement (no credit toward degree)	0-2				
<b>Reading</b> LO 8	READ 101, 119, 120, 121 By Placement (no credit toward degree for READ 101)	0-2				
<b>Math</b>	MATH 120 By Placement	0-3				

**General Education Courses- Common Content: 9 credit hours**

GE Outcomes	GE Approved Courses	CR	Plan to Take	Date Taken or Transferred	Repeat	Final Grade
<b>iConnect</b> LO 2, 3, 4, 5, 6, 27, 29	ICON 100	3				
<b>English Composition</b> LO 9, 14, 18, 20	ENGL 101 English Composition I or ENGL 103 College Writing (only 3 credits towards a degree)	3				
<b>Speech</b> LO 10, 11, 12	COMM 121 Fundamentals of Public Communication	3				

**General Education Courses: 22-24 credit hours**

<b>History</b> LO 1		3				
<b>Society and Environment</b> LO 3		3				
<b>Social Responsibility and Leadership</b> LO 4, 5, 6, 7	SOCW 377 (see major)	(3)				
<b>Writing Intensive</b> LO 9, 14		0				
<b>Technology Application</b> LO 15		0				
<b>Physical Education</b> LO 16, 17		2-3				
<b>Philosophical Ethics</b> LO 18, 19, 20		3				
<b>Math</b> LO 22	MATH 223 or higher	3				
<b>Science</b> LO 23	CHEM 141 (see major)	(4)				
<b>Social Sciences</b> LO 24	PSYC 239 (see major)	(3)				
<b>Creative Expression - Fine Arts</b> LO 25, 26		2-3				
<b>Creative Expression - Literature</b> LO 25, 26		3				
<b>Theology</b> LO 29, 30		3				
<b>Religion</b> LO 29, 31		3				
<b>Senior Capstone</b> LO 9, 21, 27, 28	Capstone course in major or GE	3				

**Total General Education Requirements: 31-33 credit hours**

### **Professional Education Courses**

**Education Core: 33-34 credit hours**

EDUC 140	Introduction to Education in Inclusive Settings	3-4				
EDUC 201	Practicum in Teacher Education	3				
EDUC 205	Technology Application in Teaching (TA=Technology Application course)	3				
EDUC 250	Education Psychology and Measurement	3				

EDUC 301	Advanced Practicum in Teacher Education	3				
EDUC 480/483	Student Teaching	10				
PSYC 239	Child and Adolescent Psychology	3				
SPED 405	Effective Collaboration and Use of Community Resources	3				
SPED 430	Behavior/Classroom Management	3				

**Program Specific Course: 53 credit hours**

CHEM 141	Principles of Chemistry I	4				
CHEM 142	Principles of Chemistry II	4				
CHEM 241	Organic Chemistry	4				
SCIE 257	Physics I	4				
SCIE 258	Physics II	4				
SCIE 291	Concepts of Science	3				
EDUC 355	Integrated Methods for Secondary Education	2				
READ 230	Teaching Reading in the Secondary School	3				
SOCW 377	Cultural Diversity & Human Rights	3				
SPED 328	Secondary Methods for Exceptional Needs	4				

**Choose one from the following: 3 credit hours**

CHEM 343	Environmental Chemistry	3				
CHEM 344	Inorganic Chemistry	3				

**Choose two from the following: 6 credit hours**

CHEM 242	Organic Chemistry II	4				
CHEM 333 and CHEM 367	Biochemistry and Biotechnology Laboratory	3/1				

CHEM 345	Analytical Chemistry	4				
CHEM 447	Physical Chemistry I	4				

**Required Professional Chemistry courses: 4 credit hours**

CHEM 480	Chemistry Seminar (6 semesters)	CR				
CHEM 481	Chemistry Seminar (1 semester)	1				
CHEM 496	Chemical Research	3				

**Directed Courses (Knowledge Support)-Choose one of the following: 4 credit hours**

BIOL 190	Principles of Biology I	4				
BIOL 191	Principles of Biology II	4				

**Electives: 8-11 credit hours**


Total Transfer Credit Hours Completed:  
 Total USF Credit Hours Completed:  
 Total Degree Requirements: 128 credit hours