

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

Effective Date: 8-09

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

School Setting: Secondary/Middle
School Setting: Secondary/Middle

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
Computer Literacy LO 13	CIS 101, 102, 103 By Placement (no credit toward degree)	0-3				
English	ENGL 100 By Placement (no credit toward degree)	0-2				
Reading LO 8	READ 101, 119, 120, 121 By Placement (no credit toward degree for READ 101)	0-2				
Math	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
iConnect LO 2, 3, 4, 5, 6, 27, 29	ICON 100	3				
English Composition LO 9, 14, 18, 20	ENGL 101 English Composition I or ENGL 103 College Writing (only 3 credits towards a degree)	3				
Speech LO 10, 11, 12	COMM 121 Fundamentals of Public Communication	3				

General Education Courses: 22-24 credit hours

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

Total General Education Requirements: 31-33 credit hours

Program-Specific General Education Courses

GE Learning Outcome	Program-Specific GE Approved Courses	CR	Plan to Take	Date Taken or Transferred	Repeat	Final Grade
LO# 4, 5, 6, 7	SOCW 377	3				
LO# 23	CHEM 141	4				
LO#24	PSYC 239	3				

Professional Education Courses

Education Core: 33-34 credit hours

EDUC 140	Introduction to Education in Inclusive Settings	3-4				
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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 384	Special Secondary Methods in Chemistry	1				
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				
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CHEM 344	Inorganic Chemistry	3				
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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