

University of Saint Francis
Bachelor of Science in Chemistry

Effective Date: 8-08 (Catalog Year 2009)

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 Speech	3				

General Education Courses: 34-36 credit hours

History LO 1		3				
Society and Environment LO 3		3				

Social Responsibility and Leadership LO 4, 5, 6, 7		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	3				
Science LO 23	SCIE 257	0				
Social Sciences LO 24		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: 43-46 credit hours

Major Required Courses: 33-35 credit hours

CHEM 141	Principles of Chemistry I	4				
CHEM 142	Principles of Chemistry II	4				
CHEM 241	Organic Chemistry I	4				
CHEM 242	Organic Chemistry II	4				
CHEM 333	Biochemistry	3				

CHEM 367	Biotechnology Laboratory	1				
CHEM 344	Inorganic Chemistry	3				
CHEM 345	Analytical Chemistry	4				
CHEM 348 or CHEM 448	Advanced Organic Chemistry or Physical Chemistry II	3 4				
CHEM 480	Chemistry Seminar (7 semesters)	CR				
CHEM 481	Chemistry Seminar	1				
CHEM 496	Chemical Research	2-3				

Choose One Concentration

Biochemical: 15 credit hours

BIOL 190	Principles of Biology I	4				
BIOL 191	Principles of Biology II	4				
BIOL 295	Genetics	4				
BIOL 440	Molecular Biology	3				

Quantitative: 19 credit hours

CHEM 343	Environmental Chemistry	3				
CHEM 448	Physical Chemistry II	4				
CHEM 449	Instrumental Analysis	3				
MATH 302	Statistics	3				
MATH 224	Calculus II	3				

MATH 315	Differential Equations	3				
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Electives: 28-37 credit hours (electives from any discipline to complete a minimum of 128 credit hours).

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