

University of Saint Francis  
Bachelor of Science in Biology-Pre-Dental

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 Fundamental of Public Communication	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 122 or higher	3				
Science LO 23	BIOL 190 or BIOL 191(see major)	(4)				
Social Sciences LO 24	PSYC 121	(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: 57 credit hours**

BIOL 190	Principles of Biology I	4				
BIOL 191	Principles of Biology II	4				
BIOL 226	Microbiology	4				
BIOL 271/272 or BIOL 290	Mammalian Anatomy & Physiology I/Laboratory or Comparative Anatomy	4				
BIOL 273/274 or BIOL 349	Mammalian Anatomy & Physiology II/Laboratory or Vertebrate Physiology	4				

BIOL 295	Genetics	4				
BIOL 296	Ecology and Diversity	4				
BIOL 480	Biology Seminar (7 semesters)	CR				
BIOL 481	Biology Seminar	1				
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				
BIOL/CHEM 267	Biotechnology Laboratory	1				
SCIE 257	Physics I	4				
SCIE 258	Physics II	4				

**Major: Directed Electives-Choose a minimum of 15 credit hours.**

BIOL 227	Marine Biology	3				
BIOL 344	Developmental Biology	3				
BIOL 350	Cell Biology	3				
BIOL 355 or 356 or 360 or 361	Southwestern/Southern Appalachian Bahamian Field Studies/ Research	3				
BIOL 366	Experimental Design and Research Methods	3				

BIOL 421	Ecology	4				
BIOL 438	Evolution	3				
BIOL 439	Introduction to Ornithology	3				
BIOL 440	Molecular Biology	3				
BIOL 448	Taxonomy of Flowering Plants	3				
BIOL 465	Advanced Physiology/Pathophysiology	3				
BIOL 471	Immunology	3				
BIOL 474	Virology	3				
BIOL 496 or 497 or 498 or 499	Special Problems in Biology	3				
ENVS 232	Introduction to Environmental Science	3				

**Electives: 10-13 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