

EXAMPLE SCHEDULE: **BS-Biology-Pre-Physician Assistant Dual** (GE = General Education)

Bold-faced are required without alternatives. Courses don't have to be taken in this order.

Fall		Spring	
BIOL 190	Principles of Biology I (4)	BIOL 191	Principles of Biology II (4)
BIOL 190L	Principles of Biology I Lab (0)	BIOL 190L	Principles of Biology II Lab (0)
BIOL 480	Biology Seminar (0)	BIOL 480	Biology Seminar (0)
ICON 100	I-Connect (3) (GE)	COMM 121	Fundamentals of Public Communication (3) (GE)
MATH 125	Algebra & Trig. or higher (by placement) (3)	If weak in chem consider CHEM 121 Intro Chem (3)	
ENGL 101 or 103	English Composition I (3) (GE)	GE	such as Health & Wellness PHES (2-3)
PSYC 121	General Psych. (3) (GE in Social Science)	GE	such as Social Justice. (3)
		GE	such as Franciscan Tradition (3)
16-17 semester credit hours		16-17 semester credit hours (32-34 credit hours total)	
Fall		Spring	
CHEM 141	Principles of Chemistry I (4) (prereq: MATH 122 or 125)	CHEM 142	Principles of Chemistry II (4) (prereq: MATH 125 CHEM 141)
CHEM 141L	Principles of Chemistry I Lab (0)	CHEM 142L	Principles of Chemistry II Lab (0)
BIOL 480	Biology Seminar (0)	BIOL 295	Genetics (4) (prereq BIOL 190 & 191)
BIOL 226	Microbiology (4) (pre: BIOL 190 & CHEM 141)	BIOL 295L	Genetics Lab (0)
BIOL 226L	Microbiology Lab (0)	BIOL 480	Biology Seminar (0)
Major-Directed Elective (3 or 4 cr. each) 9 cr. needed overall		GE	such as Rhetoric & Research (3)
BIOL 290 or 273 Comp. Anat. (4) (prereq: BIOL 190 & 191) or Mammal. A&P I (prereq: BIOL 190 & 191)		BIOL 349 or 273 Vert. Physiology (4) (prereq BIOL 190 & 191) or Mammal. A&P II (3) (prereq BIOL 190 & 191)	
BIOL 290L or 273L Comparative Anatomy Lab (0) or Mammal. A&P II Lab (1) (coreq BIOL 271)		BIOL 349L or 271L Vert. Physiology Lab (0) or Mammal. A&P II Lab (1) (coreq BIOL 273)	
16 -18 credit hours (48 -52 credit hours total)		16-18 credit hours (64-67 credit hours total)	
Fall		Spring	
CHEM 241	Organic Chemistry I (4)	CHEM 242	Organic Chemistry II (4)
CHEM 241L	Organic Chemistry I Lab (0)	CHEM 242L	Organic Chemistry II Lab (0)
BIOL 480	Biology Seminar (0)	BIOL 480	Biology Seminar (0)
Major-Directed Elective (3 or 4 cr. each) 9 cr. needed overall		BIOL 366	Exp. Des. & Research Meth. (writ inten GE) (3)
GE	such as Philosophy Ethics (3)	BIOL 296	Ecology & Diversity (prereq: BIOL 190&191)(4) (fulfills Care for Creation GE)
GE	such as History (3)	BIOL 296	Ecology & Divers. Lab (prereq: BIOL 190&191)
GE	such as Theology (3)	GE	such as Creative Arts (3)
		CHEM 333 Biochemistry (3) (prereq: CHEM 241)	
		BIOLCHEM 367 Biotechnology Laboratory (1)	
16 credit hours (at least 80 credit hours total)		16 credit hours (at least 96 credit hours total)	
Fall		Spring	
BIOL 352	Advanced Topics & Terminology in Med.(3)	BIOL 480	Biology Seminar (0)
BIOL 480	Biology Seminar (0)	BIOL 401	Senior Capstone (3) (prereq: senior status)
PSYC ____	Psychology elective course (3)	SCIE 258	Physics II (4) (prereq; MATH 125 or MATH 223, SCIE 257)
Major-Directed Elective (3 or 4 cr. each) 9 cr. needed overall		SCIE 258L	Physics II Lab (0)
SCIE 257	Physics I (4) (prereq;MATH 125 or MATH223)	electives	as needed
SCIE 257L	Physics I Lab (0)		
GE	such as Lit. or Great Books II (3)		
16 credit hours (112 credit hours total)		16 credit hours (128 credit hours total, 70 within major)	