### ACADEMIC PLAN: UNIVERSITY OF SAINT FRANCIS

**Bachelor Academic Planning: Biology :Pre-Chiropractic Medicine**

(GE = General Education)  Note that this example exceeds the requirements for the major.  Bold-faced are required without alternatives.  Courses don't have to be taken in this order.

### Fall 12-18 credit hours (placements if needed)  |  Spring 12-18 credit hours (placements if needed)
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Biol 190 Principles of Biology I (4) (GE) | Biol 191 Principles of Biology II (4)
Biol 190L Principles of Biology Lab (0) | Biol 190L Principles of Biology II Lab (0)
Biol 480 Biology Seminar (0) | Biol 480 Biology Seminar (0)
Chem 141 Principles of Chemistry I (4) (prereq: MATH 131 or 133) | Chem 142 Principles of Chemistry II (4) (prereq: MATH 133 CHEM 141)
Chem 141L Principles of Chemistry I Lab (0) | Chem 142L Principles of Chemistry II Lab (0)
Math 133 Algebra & Trig. or higher (by placement) (3) | Psych 121 General Psychology (3) (GE in Social Science)
Engl 101 or 103 English Composition I (3) (GE) | Comm 121 Fundamentals of Public Communication (3) (GE)
Fys 100/101 Engage/Foundations (3) (GE) | Ge Theo 105 Franciscan Tradition (3)

**16-17 semester credit hours (32-34 credit hours total)**

### Fall 12-18 credit hours

- Biol 226 Microbiology (4) (pre: Biol 190 & 191)
- Biol 226L Microbiology Lab (0)
- Biol 480 Biology Seminar (0)
- Chem 241 Organic Chemistry I (4)
- Chem 241L Organic Chemistry I Lab (0)
- Major-Directed Elective (3 or 4 cr. each) 6 cr. required overall
- Ge such as Social Justice (3)
- Ge such as in Physical Education (2-3)

**16-18 credit hours** **(48-52 credit hours total)**

### Spring 12-18 credit hours

- Biol 295 Genetics (4) (prereq Biol 190 & 191)
- Biol 295L Genetics Lab (0)
- Biol 480 Biology Seminar (0)
- Chem 242 Organic Chemistry II (4) or Chem 333/367
- Chem 242L Organic Chemistry II Lab (0)
- Math 302 Statistics (3) recommended (prereq: Math 133)
- Ge such as Philosophical Ethics (3)

**16-18 credit hours** **(64-67 credit hours total)**

### Fall 12-18 credit hours

- Biol 480 Biology Seminar (0)
- Major-Directed Elective (3 or 4)
- Sci 257 Physics I (4) (prereq; Math 133 or Math223)
- Sci 257L Physics I Lab (0)
- Phys 360 Exercise Physiology with lab (3)
- Ge such as Rhetoric & Research (3)

**16 credit hours** **(at least 80 credit hours total)**

### Spring 12-18 credit hours

- Biol 273 Mammal. A&P II (3) (prereq Biol 190 & 191)
- Biol 274 Mammal. A&P II Lab (1) (coreq Biol 273)
- Biol 480 Biology Seminar (0)
- Biol 350 Cell Biology (3) (prereq: Biol 190 & 191)
- Sci 258 Physics II (4) (prereq: Math 133 or Math 223, SCI 257)
- Sci 258L Physics II Lab (0)
- Biol 366 Exp. Des. & Research Meth. (3) (GE)
- GE such as Theology (3)

**16 credit hours** **(at least 96 credit hours total)**

### Fall 12-18 credit hours

- Biol 401 Senior Capstone (3) (prereq: senior status)
- Biol 480 Biology Seminar (0)
- GE such as Creative Arts (3)
- Ge such as History (3)
- Phys 452 Biomechanics (3)
- GE such as Literature or Great Books II (3)

**16 credit hours** **(112 credit hours total)**

### Spring 12-18 credit hours

- Biol 480 Biology Seminar (0)
- Biol 297 Ecology & Divers. Lab (1)
- Phys 410 Kinesiology (3)
- Electives
- Certain courses in ACCT, PHES recommended
- GE such as Literature or Great Books II (3)

**16 credit hours** **(128 credit hours total, 70 within major)**

San Damiano General Education (GE) courses are offered within distributions and are approved by the university’s Curriculum Council. Please see your Academic advisor for additional information.

Please note: This schedule is subject to change based on course offerings and curriculum developments that may occur throughout the 2018-2019 academic year.