UNIVERSITY REQUIREMENTS (27-43 UNITS)

University Composition Requirement (3-6 units)
ENGL 101 First-Year Composition 3
ENGL 102 First-Year Composition* 3
OR ENGL 109H First-Year Comp. Honors* 3

Mathematics - Strand ‘S’ (3-8 units)
(Strand ‘S’ = substantial knowledge of mathematics)
MATH 122a/122b Calculus I with Applications 1/4
OR MATH 125 Calculus I 3
MATH 129 Calculus II 3

Second Language (0-8 units)
Complete one of the following:
A. Pass a language proficiency exam at 2nd semester level
B. Complete courses through 2nd semester proficiency

General Education (21 units)

Tier 1 (1 course from 2 of the sub-categories) (12 units)
A. Traditions and Cultures (160a**/b/c/d) (6 units total)

B. Individuals and Societies (150a/b/c) (6 units total)

Tier 2 ** (9 units)
A. Individuals and Societies (3 units)
B. Arts (3 units)
C. Humanities (3 units)

**Diversity Emphasis

Mid-Career Writing Assessment

Satisfied by a grade of A or B in ENGL102 or 109H

SCIENCE REQUIREMENTS (32 UNITS)

CHEM 151 General Chemistry 1 4
CHEM 152 General Chemistry 2 4
CHEM 241a Organic Chemistry 1 Lecture 3
CHEM 243a Organic Chemistry 1 Lab 1
CHEM 241b Organic Chemistry 2 Lecture 3
CHEM 243b Organic Chemistry 2 Lab 1
MCB 181R Introductory Biology 1 Lecture 3
MCB 181L Introductory Biology Lab 1 1
ECOL 182R Introductory Biology 2 Lecture 3
ECOL 182L Introductory Biology Lab 2 1
PHYS 102 Introductory Physics 1 lecture 3
PHYS 181 Introductory Physics 1 Lab 1
PHYS 103 Introductory Physics 2 lecture 3
PHYS 182 Introductory Physics 2 Lab 1

ELECTIVES:

PHYSIOLOGY MAJOR (30 UNITS MINIMUM)

Required Courses - - - - - - - - - - - - - - (17 units)

\[\text{PSIO 201 Human Anatomy & Physio 1 (F, S, SS) 4}\]
\[\text{PSIO 202 Human Anatomy & Physio 2 (F, S, SS) 4}\]
\[\text{PSIO 303A Integrative Cellular Physiology (F) 3}\]
\[\text{PSIO 303B Integrative Cellular Physiology (S) 3}\]
\[\text{BIOC 384 Foundations in Biochemistry OR}\]
\[\text{BIOC 385 Metabolic Biochemistry 3}\]

\[\text{PSIO 202 before enrolling in PSIO 300- and 400-level courses.}\]

Elective Courses  - - - - - - - - - - - - - - (13 units)

Select 3 courses from among the following: (minimum 9 units)

\[\text{PSIO 404 Advanced Topics in Cellular Physio (S) 3}\]
\[\text{PSIO 411 Scientific Methods & Prof Ethics (F, S) 3}\]
\[\text{PSIO 415 Physiology of Mind Body Inter (F, S) 2}\]
\[\text{PSIO 420 Exercise & Environ Physiology (F, S) 3}\]
\[\text{PSIO 425 Measure & Eval Physio Function (F, S) 3}\]
\[\text{PSIO 426 Extreme Physiology (SSII) 3}\]
\[\text{PSIO 431 Physiology of Immune System (F, SSII) 3}\]
\[\text{PSIO 450 Respiratory Physiology (S) 3}\]
\[\text{PSIO 465 Systems Neurophysiology (S) 3}\]
\[\text{PSIO 467 Endocrine Physiology (F) 3}\]
\[\text{PSIO 469 Human Reproductive Physiology (S) 3}\]
\[\text{PSIO 472 Quantitative Models of BioSystems (F) 3}\]
\[\text{PSIO 484 Cardiovascular/Muscular Biology (F, S) 3}\]
\[\text{PSIO 485 Cardiovascular Physiology (F, S) 3}\]
\[\text{PSIO 487 Physiology of Aging (F) 3}\]
\[\text{PSIO 489 Current Issues in Physiology (S) 3}\]

*Students may substitute one biological science course (from a list of pre-approved courses) for one of these PSIO elective courses.*

Optional Courses (0 – 4+ units)

These courses cannot substitute for above PSIO major electives.

\[\text{PSIO 295H Intro to Honors Physiology (S) 2}\]
\[\text{PSIO 304 Integrative Cellular Physiology Discussion,}\]
\[\text{taken with PSIO 303A (Honors) only (F) 1}\]
\[\text{PSIO 391 Preceptorship (F, S) 1-2}\]
\[\text{PSIO 399/399H/499/499H Independent Study 1-3}\]
\[\text{PSIO 492 Directed Research (F, S) 1-3}\]
\[\text{PSIO495H Senior Honors thesis Preparation (F) 2}\]
\[\text{PSIO 498H Senior Honor Thesis (F, S) 3-6}\]
\[\text{PSIO 495K Inflam & Disease/Colloquium (F, S) 2}\]

Required: A minimum of 42 units of upper-division credit. The

physiology major provides 22 of these upper-division units; the remaining

20 units may be taken as Tier 2 courses, optional minor or as general

elective courses. Upper division credit is numbered 300 – 499.

TOTAL units for degree = 120 units

NOTE: Required course may not be taken for Pass/Fail credit; exceptions

are: PSIO 391, 399, 499.

NOTE: Students are responsible for meeting all requirements for degree

completion.