### BACHELOR OF SCIENCE IN HEALTH SCIENCES (BSHS) – PHYSIOLOGY AND MEDICAL SCIENCES

For students entering in the 2020-2021 academic year

*Schedule an advising appointment online: [https://ua-trellis.force.com/uastudent/s/](https://ua-trellis.force.com/uastudent/s/) or by phone at 520-621-4850 or 520-621-2785*

### UNIVERSITY REQUIREMENTS

#### University Composition Requirement

- **ENG 101 First-Year Composition** 3 units
- **ENG 102 First-Year Composition** 3 units
- **OR ENGL 109H First-Year Composition Honors** 3 units

#### Mathematics Requirements – 2 courses required

- **Calculus I**
  - **MATH 122a and MATH 122b** 1/4 units
  - **OR MATH 119A** 4 units
  - **OR MATH 125** 3 units

- **Calculus II or Biostatistics**
  - **MATH 129** 3 units
  - **OR MATH 263 or BIOS 376 or ECOL 379** 3 units

#### Second Language

Complete one of the following:

- A) Complete courses through 2nd semester level
- B) Pass a language proficiency exam at 2nd semester level

#### General Education

**Tier I**

- A) Individuals & Society (150a/b/c) 3 units
  - **or** 3 units

- B) Traditions & Cultures (160a/b/c/d) 3 units
  - **or** 3 units

**Tier II**

- A) Individuals & Societies 3 units

- B) Arts 3 units

- C) Humanities 3 units

- Diversity Emphasis Course 3 units

**Mid-Career Writing Assessment** Satisfied by a grade of A or B in ENGL 102 or 109H

### SCIENCE REQUIREMENTS

- **CHEM 151 General Chemistry I** 4 units
- **CHEM 152 General Chemistry II** 4 units
- **CHEM 241a Organic Chemistry I Lecture** 3 units
- **CHEM 243a Organic Chemistry I Lab** 1 unit
- **CHEM 241b Organic Chemistry II Lecture** 3 units
- **CHEM 243b Organic Chemistry II Lab** 1 unit
- **MCB 181R Introductory Biology I Lecture** 3 units
- **MCB 181I Introductory Biology I Lab** 1 unit
- **ECOL 182R Introductory Biology II Lecture** 3 units
- **ECOL 182L Introductory Biology II Lab** 1 unit
- **PHYS 102 Introductory Physics I Lecture** 3 units
- **PHYS 181 Introductory Physics I Lab** 1 unit
- **PHYS 103 Introductory Physics II Lecture** 3 units
- **PHYS 182 Introductory Physics II Lab** 1 unit
- **BIOC 384 Foundations in Biochemistry** 3 units

### PHYSIOLOGY AND MEDICAL SCIENCES MAJOR (36 units total)

#### Required Courses

- **PSIO 201 Human Anatomy & Physio I** (F, S, SSII) 4 units
- **PSIO 202 Human Anatomy & Physio II** (F, S, SSII) 4 units
- **PSIO 303 Integrative Cellular Physio** (F only) 3 units
- **PSIO 305 Integrative System Physio** (S only) 3 units

*Students must complete PSIO 201 (with a C or better), and PSIO 202 (with a C or better) before being eligible to enroll in any 300 and 400-level PSIO courses*

#### Major Electives

Complete 15 units from list A and 7 additional units from lists A, B, or C

**List A** (minimum of five courses from this list) 15 units

- **ENGL 201 First**
- **ENGL 401 First**
- **ENGL 501 First**
- **ENGL 202 First**
- **ENGL 402 First**
- **ENGL 502 First**
- **ENGL 203 First**
- **ENGL 403 First**
- **ENGL 503 First**
- **ENGL 204 First**
- **ENGL 404 First**
- **ENGL 504 First**
- **ENGL 205 First**
- **ENGL 405 First**
- **ENGL 505 First**

**List B**


**List C**

- **PSIO 295H**, **PSIO 391/391H**, **PSIO 395A**, **PSIO 395B**
- **PSIO 399/399H/499H, PSIO 492, PSIO 495H**, **PSIO 495M, PSIO 495S, PSIO 495T, PSIO 498H, ANTH 324, BME 477, ECOL 320, MCB 304, MCB 305, MCB 325, MCB 410, MCB 411, NROS 310, NROS 430, NSC 308, NSC 445, NURS 350**

#### UD Requirement

- **or** 3-4 units

#### GPA Requirement

- **or** 3-4 units

#### Total Units for degree

### Required:

Minimum of 42 units of upper-division credit (all courses numbered 300-499). The major coursework could provide 23 of these units; however, the remaining 19 units are up to the student through Tier 2 courses, optional minor, or general elective courses.

**Note:** Required courses may not be taken for Pass/Fail; however, exceptions are: PSIO 391, 399, and 499.

**Required to apply to advanced standing**