

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

Sample four-year plan for Calculus I as your first semester math course – this tool can help you generally understand the recommended flow of classes; however, it’s always best to consult with your Academic Advisor to create a plan that is best for you!

FIRST YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
ENGL 101 First-Year Composition I	3	ENGL 102 First-Year Composition II	3
MATH 122A + B Calculus I	5	MATH 263, BIOS 376, or ECOL 379 Biostatistics	3
*CHEM 151 General Chemistry I	4	CHEM 152 General Chemistry II	4
PSIO 101 Tackling Physiological Topics, or *Gen Ed – Core Course, or second language course	3-4	*Gen Ed – Core Course or second language course	3-4
UNIV 101 Intro to Gen Ed Experience	1		
Total Units	16-17	Total Units	13-14

SECOND YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
CHEM 241a Organic Chemistry Lecture	3	CHEM 241b Organic Chemistry Lecture	3
CHEM 243a Organic Chemistry Lab	1	CHEM 243b Organic Chemistry Lab	1
PSIO 201 Human Anatomy & Physiology I	4	PSIO 202 Human Anatomy & Physiology II	4
*Gen Ed – Core Course	3	*Gen Ed – Core Course	3
*Gen Ed – Core Course	3	*Gen Ed – Core Course	3
		UNIV 301 Gen Ed Portfolio	1
Total Units	14	Total Units	15

*A second language is required through second semester proficiency or higher.

*Please see a more detailed breakdown of the core courses required in the Gen Ed curriculum.

*To enroll in 300/400-level PSIO courses, students must apply for and be added to Advanced Standing. To be eligible to apply for Advanced Standing, students must meet all criteria, including having a 2.25 cumulative GPA and earning C’s or better in PSIO 201 and PSIO 202.

Physiology Emphasis

THIRD YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
PSIO 303 Integrative Cellular Physiology	3	PSIO 305 Integrative Systems Physiology	3
PSIO 4XX lecture	3	PSIO 4XX lecture	3
MCB 181R Introductory Biology I	3	ECOL 182R Introductory Biology II	3
MCB 181L Introductory Biology I Lab	1	ECOL 182L Introductory Biology II Lab	1
PHYS 110 Introductory Studio Physics I	4	PHYS 111 Introductory Studio Physics II	4
Total Units	14	Total Units	14

FOURTH YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
PSIO 4XX lecture	3	PSIO 4XX lecture	3
PSIOM Major Elective	3	PSIOM Major Elective	3
PSIOM Major Elective	3	PSIOM Major Elective	3
BIOC 384 Foundations in Biochemistry or BIOC 385 Metabolic Biochemistry	3	UD general elective (any 300/400-level course)	3
UD general elective (any 300/400-level course)	3	UD general elective (any 300/400-level course)	3
Total Units	15	Total Units	15

***120 total units required for graduation, 42 of which must be upper-division (300/400-level). Your major requirements do NOT provide you with enough upper-division unit requirements for graduation, so it's important for you to incorporate other upper-division courses into your plan.**

Medical Sciences Emphasis

THIRD YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
PSIO 303 Integrative Cellular Physiology	3	PSIO 305 Integrative Systems Physiology	3
PSIO 4XX lecture	3	PSIO 4XX lecture	3
MCB 181R Introductory Biology I	3	ECOL 182R Introductory Biology II	3
MCB 181L Introductory Biology I Lab	1	ECOL 182L Introductory Biology II Lab	1
PHYS 110 Introductory Studio Physics I	4	PHYS 111 Introductory Studio Physics II	4
Total Units	14	Total Units	14

FOURTH YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
BIOC 384 Foundations in Biochemistry or BIOC 385 Metabolic Biochemistry	3	Medical Science course	3
Medical Science course	3	PSIOM Major Elective	3
PSIOM Major Elective	3	PSIOM Major Elective	3
UD general elective (any 300/400-level course)	3	PSIOM Major Elective	3
UD general elective (any 300/400-level course)	3	UD general elective (any 300/400-level course)	3
Total Units	15	Total Units	15

***120 total units required for graduation, 42 of which must be upper-division (300/400-level). Your major requirements do NOT provide you with enough upper-division unit requirements for graduation, so it's important for you to incorporate other upper-division courses into your plan.**

Exercise and Extreme Physiology Emphasis

THIRD YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
PSIO 303 Integrative Cellular Physiology	3	PSIO 305 Integrative Systems Physiology	3
PSIO 420 Exercise + Environmental PSIO	3	Emphasis Course	3
MCB 181R Introductory Biology I	3	ECOL 182R Introductory Biology II	3
MCB 181L Introductory Biology I Lab	1	ECOL 182L Introductory Biology II Lab	1
PHYS 110 Introductory Studio Physics I	4	PHYS 111 Introductory Studio Physics II	4
Total Units	14	Total Units	14

FOURTH YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
BIOC 384 Foundations in Biochemistry or BIOC 385 Metabolic Biochemistry	3	Emphasis course	3
Emphasis course	3	PSIOM Major Elective	3
PSIOM Major Elective	3	PSIOM Major Elective	3
PSIOM Major Elective	3	PSIOM Major Elective	3
UD general elective (any 300/400-level course)	3	UD general elective (any 300/400-level course)	3
Total Units	15	Total Units	15

***120 total units required for graduation, 42 of which must be upper-division (300/400-level). Your major requirements do NOT provide you with enough upper-division unit requirements for graduation, so it's important for you to incorporate other upper-division courses into your plan.**

Physiological Research and Innovation Emphasis

THIRD YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
PSIO 303 Integrative Cellular Physiology	3	PSIO 305 Integrative Systems Physiology	3
Emphasis Core course	3	Emphasis Core course	3
MCB 181R Introductory Biology I	3	ECOL 182R Introductory Biology II	3
MCB 181L Introductory Biology I Lab	1	ECOL 182L Introductory Biology II Lab	1
PHYS 110 Introductory Studio Physics I	4	PHYS 111 Introductory Studio Physics II	4
Total Units	14	Total Units	14

FOURTH YEAR

FALL SEMESTER	Units	SPRING SEMESTER	Units
BIOC 384 Foundations in Biochemistry or BIOC 385 Metabolic Biochemistry	3	Emphasis course	3
Emphasis Core course	3	PSIOM Major Elective	3
PSIOM Major Elective	3	PSIOM Major Elective	3
PSIOM Major Elective	3	UD general elective (any 300/400-level course)	3
UD general elective (any 300/400-level course)	3	UD general elective (any 300/400-level course)	3
Total Units	15	Total Units	15

***120 total units required for graduation, 42 of which must be upper-division (300/400-level). Your major requirements do NOT provide you with enough upper-division unit requirements for graduation, so it's important for you to incorporate other upper-division courses into your plan.**