

Freshman Year Fall Semester One: Total Credit Hours: 18

Class Title	Hours
PTH100P Philosophy/Theology Pathway Seminar (first 7 weeks)	1
PTH100L Literature Pathway Seminar (second 7 weeks)	1
PTH101 Community and Well-Being	1
ENG121 Composition I or ENG 190 Honors English*	3
Mathematics course: MTH121 Calculus I*	4
BIO 101/103 Principles of Biology with laboratory (Fall only course)	4
CHM 111/113 General Chemistry I* with laboratory (Fall only course)	4
Total credit hours	18

First-year PTH courses will be assigned by the Office of Academic Advising. The actual sequence of seminar topics may vary from what is shown, but all students will complete PTH100L, PTH100P, PTH100H and PTH100I.

Courses noted with an * are pending advising review for placement

Freshman Year Spring Semester Two: Total Credit Hours: 17

Class Title	Hours
PTH100H History/Social Sciences Pathway Seminar (second 7 weeks)	1
PTH100I Interdisciplinary/Humanities Pathway Seminar (first 7 weeks)	1
PTH102 Engagement and Outreach	1
ENG123 Composition II or ENG 290 (Honors English)	3
MTH 163 Statistics	3
BIO 236/238 Microbial Biology with laboratory (Spring only course)	4
CHM 112/114 General Chemistry II with laboratory (Spring only course)	4
Total credit hours	16

Sophomore Year Fall Semester Three: Total Credit Hours: 17

Class Title	Hours
ENG prefix (200 level course) OR WRI276 Intro to Creative Writing	3
PHL 101 Introduction to Logic OR PHL190 Honors Logic	3
BIO 240/243 Anatomy and Physiology I with lab (Fall only course) –or- BIO205/207 Invertebrate zoology and lab	4
CHM 231/233 Organic Chemistry I with laboratory (Fall only course)	4
CMM 150W Public Speaking (required for major)	3
Total credit hours	17

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Sophomore Year Spring Semester Four: Total Credit Hours: 14-15

Class Title	Hours
PHL prefix (200 or 300 level course)	3
THL 101 Introduction to Christian Theology OR THL190 Honors Theology I (or other Core)	3
BIO 241/244 Anatomy and Physiology II with laboratory (Spring only course) –or- BIO254/256 Vertebrate zoology and lab	4
CHM 232/234 Organic Chemistry II with laboratory (Spring only course)	4
BIO 202 Pre Health Science Shadowing (Spring only; OPTIONAL - must have 3.5 gpa & permission of instructor)	0-1
Total credit hours	14-15

Junior Year Fall Semester Five: Total Credit Hours: 17

Class Title	Hours
BIO 301 Genetics with laboratory (Fall only course)	4
PHY 221/213 Physics with Calculus I and laboratory (Fall only course)	4
HIS110 The Global Community/HIS290 OR HIS211 Western Civilization to 1648 OR HIS212 Western Civilization Since 1648 OR POL151 Intro to Comparative Politics OR POL161 Intro to International Relations	3
Foreign Language I (Fall only) *	3
Social Science (PSY, POL, ECO, or SOC; PSY101 highly recommended for pre health; choose one)	3
Total credit hours	17

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Junior Year Spring Semester Six: Total Credit Hours: 14

Class Title	Hours
BIO 360/362 Cell biology with laboratory (Spring only course)	4
PHY 222/214 Physics with Calculus II and laboratory (Spring only course)	4
HIS120 The American National Community OR HIS 213 US to1876 OR HIS214 US Since 1876 OR POL112 Intro to American Politics	3
Foreign Language 2 (Spring only)	3
Total credit hours	14

Senior Year Fall Semester Seven: Total Credit Hours: 14

Class Title	Hours
BIO 462/464 General Physiology with lab (Suggested elective - need total of 16 hours; Fall only course)	4
BIO 322/24 Developmental Biology with lab (Suggested elective - need total of 16 hours; Fall only course)	4
300 or 400 Elective outside of BIO that supports major	3
THL prefix (200 or 300 level course)	3
Total credit hours	14

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Senior Year Spring Semester Eight: Total Credit Hours: 14

Class Title	Hours
BIO 351/353 Parasitology with lab (Suggested elective - need total of 16 hours; Spring only course)	4
BIO 421/423 Histology with lab (Suggested elective - need total of 16 hours; Spring only course)	4
300 or 400 Elective outside of BIO that supports major	3
Visual/Performing Arts: ART, ARH, MUS, THR prefix (choose one)	3
Total credit hours	14

Total Semester Hours: 125**Possible 3XX/4XX Electives Outside of BIO That Support Major (consult with advisor) – Pick 2 (6 hours)**

Class Title	Hours
CHM 3XX/4XX	
SOC 305 Social Gerontology (requires SOC 101)	3
SOC 375 Gender & Society (requires SOC 101)	3
SOC 391 Medical Sociology (requires SOC 101)	3
SOC 475 Affluence & Poverty (requires SOC 101)	3
PSY 324 Health Psychology (requires PSY 101 + PSY 2XX)	3
PSY 364 Biological Psychology (requires PSY 101 + PSY 2XX)	3
PHL 311W Bioethics (requires PHL101 + PHL 2XX/3XX)	3
PHL 312 Issues in Death & Dying (requires PHL 101)	3
PHL 371 Philosophy of Biology (requires PHL 101)	3

Upper BIO Electives (minimum 16 hours)

Class Title	Hours
BIO XXX Biological Biochemistry (beginning Spring 2023)	3
BIO 351/353 Parasitology with laboratory (Spring only course)	4
BIO 322/324 Developmental with laboratory (Even year Fall only course)	4
BIO 410 Immunology	3
BIO 412 Emerging Pathogens (Summer online only)	3
BIO 450 Molecular Biology	3
BIO 462/464 General Physiology with laboratory (Fall only course)	4
BIO 421/423 Histology with laboratory (Spring only course)	4
BIO 470 Mechanism of Disease (Spring or Summer)	3
BIO 466 Biology of Cancer (Summer online only)	3
BIO 499 Special Topics in Biology (varies)	3-4

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