

Biology (B.S.) – Pre-Physician Assistant – Foreign Language

2022-2023 Academic Catalog, Bachelor of Science – Biology, Pre-Physician Assistant, Global Emphasis: Foreign Language

Academic Core for B.S.

46 Hours

CHRISTIAN STUDIES 6

| | | |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

ENGLISH 9

| | | |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL | Literature | 3 |

A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.

EXERCISE & SPORT SCIENCE 2

| | | |
|------|-----------------|---|
| EXAC | Activity Course | 1 |
| EXAC | Activity Course | 1 |

FINE ARTS – SELECT ONE 3

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|-----------|-----------------------------|---|
| ARTS 1350 | Art Appreciation | 3 |
| COMM 2335 | Film Appreciation | 3 |
| FINA 2330 | Exploring the Fine Arts | 3 |
| MUSI 1340 | Music Appreciation | 3 |
| THEA 2350 | Introduction to the Theatre | 3 |

WORLD CULTURES – SELECT ONE 3

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|-----------|---|---|
| ARTS 2354 | World Art | 3 |
| EXSS 2353 | Lifespan Nutrition | 3 |
| HIST 1311 | History of World Civilizations to 1500 | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| MUSI 2358 | World Music | 3 |
| PHIL 2315 | Introduction to Philosophy | 3 |

LAB SCIENCE 8

| | | |
|-----------|----------------------|---|
| CHEM 1410 | General Chemistry I | 4 |
| CHEM 1420 | General Chemistry II | 4 |

PUBLIC SPEAKING 3

| | | |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

MATHEMATICS 3

| | | |
|-----------|------------|---|
| MATH 2303 | Statistics | 3 |
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RESEARCH METHODS OR INTERNSHIP 2

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|-----------|------------------|---|
| BIOL 2170 | Research Methods | 1 |
| BIOL 2171 | Research Methods | 1 |

SOCIAL SCIENCE 3

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|-----------|--------------------|---|
| PSYC 1301 | General Psychology | 3 |
|-----------|--------------------|---|

US HISTORY OR US GOVERNMENT – SELECT ONE 3

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|-----------|---------------------------------|---|
| HIST 2311 | American History to 1877 | 3 |
| HIST 2312 | American History since 1877 | 3 |
| POLS 2310 | State and Federal Government I | 3 |
| POLS 2311 | State and Federal Government II | 3 |

FRESHMAN SEMINAR 1

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|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
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GLOBAL EMPHASIS – FOREIGN LANGUAGE 8

8 credit hours (2 semesters or the equivalent) in one language 8

CHAPEL – 1 to 4 credits

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| UMHB 1002 | Chapel | |
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Fine Arts Experience – 2 to 8 credits

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|-----------|----------------------|--|
| UMHB 1005 | Fine Arts Experience | |
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Biology – Pre-PA

B.S. BIOLOGY MAJOR REQUIRED COURSES – PRE-PA 36

| | | |
|-----------|--|---|
| BIOL 1090 | Freshman Evaluation (<i>Freshman Only</i>) | 0 |
| BIOL 1350 | Biomolecules, Genes, and Cells | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 3310 | Genetics | 3 |
| BIOL 3110 | Genetics Lab | 1 |
| BIOL 4090 | Senior Evaluation | 0 |
| BIOL 4194 | Capstone Writing | 1 |
| BIOL 4295 | Capstone Seminar | 2 |
| BIOL 4370 | Applied Ecology | 3 |
| BIOL 4170 | Applied Ecology Lab | 1 |

Physiology Electives

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|-----------|--------------------------------|---|
| BIOL 2380 | Microbiology | 3 |
| BIOL 2180 | Microbiology Lab | 1 |
| BIOL 2340 | Human Anatomy & Physiology | 3 |
| BIOL 2140 | Human Anatomy & Physiology Lab | 1 |
| BIOL 3340 | Immunology | 3 |

Biology Electives

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|------|------------------------------|---|
| BIOL | Biology Upper Level with Lab | 4 |
| BIOL | Biology Electives | 2 |

No grade lower than a "C" will count toward fulfillment of Biology major requirements.

REQUIRED COURSES FOR PRE-PA 24

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|-----------|-----------------------------------|---|
| BIOL 2341 | Human Anatomy & Physiology II | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| CHEM 3410 | Organic Chemistry I | 4 |
| CHEM 4430 | Biochemistry | 4 |
| EXSS 2355 | Medical Terminology | 3 |
| MATH 1306 | College Algebra | 3 |
| PSYC 2311 | Developmental Psychology | 3 |
| | or | |
| PSYC 3315 | Abnormal Psychology | 3 |
| WRIT 3344 | Scientific Writing | 3 |

Upper Level Electives 7

Total Hours

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|--|------------|
| Academic Core for B.S. | 46 |
| Global Emphasis – Foreign Language | 8 |
| B.S. Biology Major Required Courses | 36 |
| Required Courses for Pre-PA | 24 |
| Upper Level Electives | 7 |
| Total hours required for graduation | 121 |

Additional Graduation Requirements

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| Minimum Upper Level hours | 36 |
| Minimum hours taken at UMHB | 30 |
| Minimum Upper Level hours taken at UMHB | 24 |
| Minimum cumulative GPA | 2.0 |