

# Health Science (B.S.H.S) – Pre-PA

2022-2023 Academic Catalog, Bachelor of Science in Health Science – Health Science, Pre-Physician Assistant Concentration

## Academic Core for B.S.H.S. 40 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

EXSS 3107	Advanced Cardiovascular Training	1
EXSS 3135	Advanced Resistance Training	1

A grade of "C" or higher is required in both EXSS 3107 and EXSS 3135.

### FINE ARTS – SELECT ONE 3

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 3

EXSS 2353	Lifespan Nutrition	3
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### LAB SCIENCE 4

BIOL 2141	Human Anatomy & Physiology II Lab	1
BIOL 2341	Human Anatomy & Physiology II	3

### PUBLIC SPEAKING 3

COMM 1320	Public Speaking	3
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### MATHEMATICS 3

MATH 1306	College Algebra	3
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### SOCIAL SCIENCE 3

PSYC 1301	General Psychology	3
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### US HISTORY OR US GOVERNMENT – SELECT ONE 3

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

UMHB 1101	Freshman Seminar	1
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### CHAPEL – 1 to 4 credits

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

UMHB 1005	Fine Arts Experience	
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## Health Science - Pre-PA

Grades of "C" or better are required in all courses (including support courses) counting toward the Health Science major.

### HEALTH SCIENCE FOUNDATION 16

EXSS 2335	Introduction to Health Sciences	3
BIOL 2340	Human Anatomy & Physiology I	3
BIOL 2140	Human Anatomy & Physiology I Lab	1
EXSS 2353	Lifespan Nutrition	-
EXSS 3390	Anatomical Kinesiology	3
EXSS 3395	Physiology of Exercise	3
EXSS 4344	Leadership in Health Science	3
PSYC 1301	General Psychology	-
EXSS 3107	Advanced Cardiovascular Training	-
EXSS 3135	Advanced Resistance Training	-

The hours for EXSS 2353, PSYC 1301, EXSS 3107, and EXSS 3135 are already accounted for in the Academic Core.

### HEALTH SCIENCE MAJOR 16

EXSS 2345	Human Anatomy	3
EXSS 2355	Medical Terminology	3
EXSS 3357	Pharmacology	3
EXSS 3396	Physiology of Exercise II	3
EXSS 4360	Pathophysiology of Chronic Disease	3
EXSS 4103	Seminar in Health Sciences	1
EXSS 4050	Health Science Assessment	0

### PRE-PA CONCENTRATION 39

EXSS 3170	Health Science Clinical I	1
EXSS 4170	Health Science Clinical II	1
BIOL 1150	Biomolecules, Genes, and Cells Lab	1
BIOL 1350	Biomolecules, Genes, and Cells	3
MATH 2303	Statistics	3
BIOL 2180	Microbiology Lab	1
BIOL 2380	Microbiology	3
BIO 3310	Genetics	3
BIOL 4105	Cell Biology Lab	1
BIOL 4305	Cell Biology	3
CHEM 1410	General Chemistry I	4
CHEM 1420	General Chemistry II	4
CHEM 3410	Organic Chemistry I	4
CHEM 4430	Biochemistry	4
PSYC 2311	Developmental Psychology	3
	or	
PSYC 3315	Abnormal Psychology	3

Grades of "C" or better are required in all courses in the Pre-PA major (including required support courses and required courses from other departments.)  
Minimum cumulative GPA of 3.2.

### Electives 9 Hours

### Total Hours

Academic Core for B.S.H.S. Health Science	40
Health Science Foundation	16
Health Science Major	16
Pre-PA Concentration	39
Electives	9
<b>Total hours required for graduation</b>	<b>120</b>

### Additional Graduation Requirements

Minimum Upper Level hours	36
Minimum hours taken at UMHB	30
Minimum Upper Level hours taken at UMHB	24
Minimum cumulative GPA	3.2