

Health Science (B.S.H.S) – Pre-Anesthesiology Assistant

2025-2026 Academic Catalog, Bachelor of Science in Health Science – Health Science, Pre-Anesthesiology 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 3135	Advanced Resistance Training	1
	Select one:	
EXSS 3107	Advanced Cardiovascular Training	1
EXAC 4120	Marathon and Half-Marathon Training	1

A grade of "C" or higher is required in this section

FINE ARTS – SELECT ONE		3
ARTS 1310	Drawing I	3
ARTS 1320	Design	3
ARTS 1350	Art Appreciation	3
ARTS 2360	Ceramics I	3
COMM 2335	Film Appreciation	3
FINA 2330	Exploring the Fine Arts	3
MUSI 1340	Music Appreciation	3
THEA 2350	Theatre Appreciation	3

WORLD CULTURES		3
EXSS 2353	Lifespan Nutrition	3

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

MATHEMATICS		3
MATH 1306	College Algebra	3

SOCIAL SCIENCE		3
PSYC 1301	General Psychology	3

US HISTORY OR US GOVERNMENT – SELECT ONE		3
HIST 2311	American History to 1877	3
HIST 2312	American History since 1877	3
POLS 2305	United States Government	3
POLS 2306	Texas State and Local Government	3

FRESHMAN SEMINAR		1
UMHB 1101	Freshman Seminar	1

CHAPEL – 1 to 4 credits		
UMHB 1002	Chapel	

Fine Arts Experience – 2 to 8 credits		
UMHB 1005	Fine Arts Experience	

Health Science - Pre-Anesthesiology Assist. 76 Hours

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 4050	EXSS Assessment	0
EXSS 4344	Leadership in Health Science	3
PSYC 1301	General Psychology	-
EXSS 3135	Advanced Resistance Training	-

	Select one:	
EXSS 3107	Advanced Cardiovascular Training	-
EXAC 4120	Marathon and Half-Marathon Training	-

The hours for EXSS 2353, PSYC 1301, EXSS 3107/4120, 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

PRE-AA CONCENTRATION		51
BIOL 1150	Biology for Science Majors Lab	1
BIOL 1350	Biology for Science Majors	3
BIOL 1160	Biology for Science Majors Lab II	1
BIOL 1360	Biology for Science Majors II	3
BIOL 3175	Human Physiology Lab	1
BIOL 3375	Human Physiology	3
CHEM 1410	General Chemistry I	4
CHEM 1420	General Chemistry II	4
CHEM 3410	Organic Chemistry I	4
CHEM 3420	Organic Chemistry II	4
CHEM 4430	Biochemistry	4
EXSS 3170	Health Science Clinical I	1
MATH 1320	Pre Calculus	3
MATH 1430	Calculus	4
MATH 2303	Statistics	3
PHYS 2411	General Physics I	4
PHYS 2412	General Physics II	4

Grades of "C" or better are required in all courses in the major (including required support courses and required courses from other departments.)

Minimum cumulative GPA of 3.2.

Total Hours

Academic Core for B.S.H.S. Health Science	40
Health Science Foundation	16
Health Science Major	16
Pre-AA Concentration	51
Total hours required for graduation	123

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	3.20

Health Science (B.S.H.S) – Pre Anesthesiology Assistant

2025-2026 Academic Catalog, Bachelor Science in Health Science – Health Science- Pre-Anesthesiology Assistant – DEGREE SEQUENCE

FRESHMAN FALL **17 Hours**

BIOL 1150	Biology for Science Majors I Lab	1
BIOL 1350	Biology for Science Majors I	3
CSBS 1311	Engaging the Old Testament	3
ENGL 1321	Rhetoric & Composition I	3
EXSS 2335	Introduction to Health Sciences	3
MATH 1306	College Algebra	3
UMHB 1101	First Year Seminar	1
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

FRESHMAN SPRING **16 Hours**

BIOL 1160	Biology for Science Majors II Lab	1
BIOL 1360	Biology for Science Majors II	3
CSBS 1312	Engaging the New Testament	3
ENGL 1322	Rhetoric & Composition II	3
EXSS 2353	Lifespan Nutrition	3
MATH 1320	Pre Calculus	3
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

SOPHOMORE FALL **18 Hours**

BIOL 2140	Human Anatomy & Physiology I Lab	1
BIOL 2340	Human Anatomy & Physiology I	3
CHEM 1410	General Chemistry I	4
COMM 1320	Public Speaking	3
MATH 1430	Calculus I	4
PSYC 1301	General Psychology	3
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

SOPHOMORE SPRING **16 Hours**

BIOL 2141	Human Anatomy & Physiology II Lab	1
BIOL 2341	Human Anatomy & Physiology II	3
CHEM 1420	General Chemistry II	4
EXSS 2345	Human Anatomy	3
EXSS 3135	Advanced Resistance Training	1
EXSS 3170	Health Science Clinical I	1
MATH 2303	Statistics	3
UMHB 1002	Chapel	0
UMHB 1005	Fine Arts Experience	0

JUNIOR FALL **15 Hours**

BIOL 3175	Human Physiology Lab	1
BIOL 3375	Human Physiology	3
CHEM 3410	Organic Chemistry I	4
ENGL	Literature	3
EXSS 3107	Advanced Cardiovascular Training	1
EXSS 3395	Physiology of Exercise	3
UMHB 1005	Fine Arts Experience	0

JUNIOR SPRING **14 Hours**

CHEM 3420	Organic Chemistry II	4
EXSS 2355	Medical Terminology	3
EXSS 3390	Anatomical Kinesiology	3
EXSS 3396	Physiology of Exercise II	3
EXSS 4103	Seminar in Health Sciences	1
UMHB 1005	Fine Arts Experience	0

SENIOR FALL **14 Hours**

PHYS 2411	General Physics I	4
EXSS 4344	Leadership in Health Science	3
CHEM 4430	Biochemistry	4
	US History or US Government	3
UMHB 1005	Fine Arts Experience	0

SENIOR SPRING **13 Hours**

PHYS 2412	General Physics II	4
EXSS 4360	Pathophysiology of Chronic Disease	3
EXSS 3357	Pharmacology	3
EXSS 4050	EXSS Assessment	0
	Fine Arts	3
UMHB 1005	Fine Arts Experience	0

Total Credit Hours: 123