

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Bachelor of Science - Health Science Studies - Pre-Medical / Pre-Dental

### A Suggested Sequence of Required Courses (2023-2024 Catalog)

#### Freshman Year

Fall	Spring
____ 3 BIO 1305 <i>Modern Concepts of Bioscience</i>	____ 3 BIO 1306 <i>Modern Concepts of Bioscience, continued</i>
____ 1 BIO 1105 <i>Modern Concepts of Bioscience Laboratory</i>	____ 1 BIO 1106 <i>Modern Concepts of Bioscience Laboratory</i>
____ 0 <i>University Chapel</i> (And credit-bearing NSE)	____ 0 <i>University Chapel</i>
____ 3 CHE 1301 <i>Basic Principles Of Modern Chemistry I</i>	____ 3 CHE 1302 <i>Basic Principles Of Modern Chemistry II</i>
____ 1 CHE 1101 <i>General Chemistry Laboratory I</i>	____ 1 CHE 1102 <i>General Chemistry Laboratory II</i>
____ 3 Choose 3 hours from the <i>Research, Writing &amp; Literature Dist. List</i>	____ 3 CSS 1301 <i>Fundamentals of Public Communication</i> OR: CSS 1302 <i>Speech for Business &amp; Professional Students</i>
____ 3 HED 1350 <i>Dimensions of Health Science Studies</i> (NSE Section)	____ 3 HIS 1300 <i>The United States in Global Perspective</i>
____ 3 MTH 1321 <i>Calculus I (Pre-req for PHY)</i>	____ 3 Statistics ( <i>see reverse for options</i> )
<b>Total: 17</b>	<b>Total: 17</b>

#### Sophomore Year

Fall	Spring
____ 3 BIO 2306 <i>Genetics</i>	____ 4 HP 1420 <i>Human Anatomy (pre-req for HP 2306 &amp; HP 2420)</i>
____ 3 CHE 3331 <i>Organic Chemistry I</i>	____ 3 CHE 3332 <i>Organic Chemistry II</i>
____ 3 ENG 2310 <i>American Literary Cultures</i>	____ 2 CHE 3238 <i>Organic Chemistry Lab</i>
____ 2-3 Fine & Performing Arts ( <i>see options below</i> )	____ 3 SOC 1305 <i>Introduction to Sociology</i>
____ 3 PSY 1305 <i>Psych Science: Understanding Human Behavior</i>	____ 3 Foreign Languages & Cultures
____ 1 PUBH 1145 <i>Health and Human Behavior</i>	
<b>Total: 15-16</b>	<b>Total: 15</b>

#### Junior Year

Fall	Spring
____ 3 CHE 4341 <i>General Biochemistry</i>	____ 3-4 BIO 3322/3122 <i>Human Physiology &amp; Human Physiology Laboratory</i> OR: PUBH 3350 <i>Human Physiology for Allied Health Professionals</i>
____ 3 HP 2306 <i>Anatomical Kinesiology</i> ("C" in HP 1420 required)	____ 4 PHY 1409 <i>General Physics for Natural &amp; Behavioral Sciences II</i>
____ 4 PHY 1408 <i>General Physics for Natural &amp; Behavioral Sciences I</i>	____ 3 Upper Level Supportive Elective
____ 3 PSY 3321 <i>Abnormal Psychology</i> OR: PSY 3341 <i>A Survey of Human Development</i>	____ 1 LF 11____, <i>Lifetime Fitness</i>
____ 3 REL 1310 <i>The Christian Scriptures (Pre-req for REL 1350)</i> <b>BEGIN PREP for MCAT or DAT EXAM</b>	____ 3 REL 1350 <i>The Christian Heritage</i> <b>MCAT or DAT EXAM</b>
<b>Total: 16</b>	<b>Total: 14-15</b>

#### Summer

____ 3 HP 4V79 <i>Internship in Human Performance</i> OR HED 4V80 <i>Study Abroad</i>
<b>Total: 3 (Departmental Approval AND CPR &amp; First Aid Required)</b>

#### Senior Year

Fall	Spring
____ 4 HP 2420 <i>Exercise Physiology</i> ("C" in HP 1420 required)	____ 3 Choose 3 hours from the <i>Research, Writing &amp; Literature Dist. List</i>
____ 3 NUTR 3314 <i>Consumer Nutrition</i>	____ 3 PUBH 4327 <i>Dying and Death Education</i>
____ 3 PSC 1387 <i>The U.S. Constitution, Interp. &amp; the Amer. Pol Exp.</i>	____ 3 Restricted Upper Level Elective ( <i>see reverse</i> )
____ 3 Restricted Upper Level Elective ( <i>see reverse</i> )	____ 3-4 Restricted Upper Level Elective ( <i>see reverse</i> )
____ 1 LF 11____, <i>Lifetime Fitness</i>	____ 1 LF 11____, <i>Lifetime Fitness</i>
<b>Total: 14</b>	<b>Total: 13-14</b>

**Total Credit Hours = 124 - 129**

\* All students must graduate with a minimum of 124 hours, 36 of which must be at

**Fine Arts and Performing Arts:** Select one from ADM 1241, ARTH 1300, 1310, 1314, 2302, 2303, CLA 3315, ENG 3304, 3306, FCS 1231, FDM 1309, ID 3313, 4313, MUS 1321, 3321, 3322, 3323, 4364/LAS 4364, THEA 1301, 1306

**Research, Writing & Literature:** CLA 2301, 2302, 2306, ENG 1310, 2301, 2306, 2310, FRE 3312, 3315, GTX 2301, 2302, 3341 OR THEA 3341, PHI 2303, REL 3301, 3305, 3308, SPA 3305, CLA 1304, PWR 3300, 3318, ENV 43C2, HIS 2395, PHI 1301, 2305, PSC 3301

**Pre-Dental:** US School of Dentistry at Houston, Texas A&M College of Dentistry, and Woody L. Hunt School of Dental Medicine requires 3 hours of Microbiology (= BIO 4302 & BIO 4102). Texas A&M College of Dentistry Requires 4 hours of Anatomy with Lab (= BIO 4432)

## Health Science Studies - Pre-Med/Pre-Dental

**Students who plan to apply to Medical School bear ultimate responsibility for determining specific coursework required of the school  
Please check Undergraduate Catalog for more detailed pre-requisite information (BIO, CHE, ENG, HP)**

**Statistics** - Choose from the following courses

STA	1380	<i>Elementary Statistics</i>
STA	2381	<i>Introductory Statistical Methods - must earn a "C" or better in MTH 1321 - Preferred by Professional Schools</i>

**Restricted Upper Level Electives** - Choose a minimum of 9 hours from the below list:

BIO	3429	<i>Comparative Chordate Anatomy</i>
BIO	4302	<i>General Microbiology</i> (and BIO 4102, Microbiology Lab) - Required for Pre-Dent
BIO	4320	<i>Pathophysiology</i> (Pre-requisite: a "B or better" in BIO 3322 & BIO 3122)
BIO	4432	<i>General Human Anatomy - Required for Pre-Dent</i>
BUS	3302	<i>Personal Financial Decisions</i>
CLA	3381	<i>Medical Terminology</i>
ECO	4350	<i>Economics of Health and Medical Care</i>
ENT	3315	<i>Starting &amp; Managing a Business</i>
HED	3300	<i>Clinical Skills Training and Assessment</i>
HED	4305	<i>A Biblical Theology of Suffering for Health Care Providers</i>
HP/HED	3311	<i>Essentials of Ethics in Healthcare</i> (pre-requisite: REL 1310 & REL 1350)
HP	3330	<i>Research Methods and Design in Exercise Science</i>
MH	3342	<i>Medicine, Missions, and the Gospel</i>
MGT	3301	<i>Managing People in Organizations</i>
MKT	3301	<i>Marketing Concepts</i>
PUBH	3320	<i>Stress Management / Mental-Emotional Health</i> (Pre-requisite: Minimum of 60 completed hours)
PUBH	3325	<i>Maternal and Infant Health</i>
PUBH	3351	<i>Epidemiology/Vital Statistics</i>
PUBH	4321	<i>Human Sexuality</i> (Pre-requisite: Minimum of 60 completed hours)
PUBH	4340	<i>Global Health</i>

### HHPR NOTE:

HP 1420 requires a "C or better."  
HP 2420 Pre-Requisite: a minimum grade of "C or better" in HP 1420  
HP 2306 Pre-Requisite: a minimum grade of "C or better" in HP 1420

**Professional Field Experience:** HP 4V79 Internship in Human Performance or HED 4V80 (Study Abroad).

HED 4V80 may be used as a substitute for HP 4V79 or as a HHPR Restricted Elective.

Must have 60 hours earned and attend mandatory Internship meeting one year prior to field experience.

Internships for academic credit must be approved by the program director and comply with University policy.

First Aid and CPR certifications are required to enroll in this course. The internship may be 3-6 credit hours.

Transfer students must have a cumulative GPA corresponding to the minimum requirements for each track.

Students who wish to change their major to Health Science Studies after completing course work at Baylor may do so only at the end of a full semester. Current HSS students wishing to change their HSS concentration can do so only during the eligibility period (at the end of a full semester). Students must have a cumulative GPA corresponding to the minimum requirements for each track:

Pre Medical/Dental	3.2 cumulative GPA
Pre Physician Assistant	3.2 cumulative GPA
Pre Physical Therapy	3.2 cumulative GPA
Pre Athletic Training	3.0 cumulative GPA
Health Professions	3.0 cumulative GPA