



**BIOMEDICAL HEALTH SCIENCES *or* HEALTH SCIENCES PREPROFESSIONAL  
PRE-DENTISTRY CONCENTRATION**  
College of Health and Human Sciences

BMHS-BS *or* HLTH-BS  
BMHS – PRDN *or* HSPP-PRDN  
120 credits

Student: \_\_\_\_\_ PUID: \_\_\_\_\_ Catalog Term: Fall 2021

Additional Majors: \_\_\_\_\_ Minors: \_\_\_\_\_

**Major Requirements (67 credits)**

- \_\_\_ (3) BCHM 30700 Biochemistry or CHM 33900 Biochemistry: A Molecular Approach
- \_\_\_ (4) BIOL 11000 Fundamentals of Biology I [**Satisfies 1 Science Core Course**]
- \_\_\_ (4) BIOL 11100 Fundamentals of Biology II [**Satisfies 1 Science Core Course**]
- \_\_\_ (4) BIOL 20300 Human Anatomy & Physiology
- \_\_\_ (4) BIOL 20400 Human Anatomy & Physiology
- \_\_\_ (4) CHM 11500 General Chemistry
- \_\_\_ (4) CHM 11600 General Chemistry
- \_\_\_ (3) CHM 25500 Organic Chemistry
- \_\_\_ (1) CHM 25501 Organic Chemistry Laboratory
- \_\_\_ (3) CHM 25600 Organic Chemistry
- \_\_\_ (1) CHM 25601 Organic Chemistry Laboratory
- \_\_\_ (2) HSCI 10100 Introduction to the Health Sciences Professions
- \_\_\_ (3) HSCI 13100 Introduction to Medical Terminology
- \_\_\_ (3) HSCI 20100 Principles of Public Health Science [**Satisfies Science, Technology & Society Core**]
- \_\_\_ (3) HSCI 20200 Essentials of Environmental, Occupational, and Radiological Health Sciences
- \_\_\_ (3) HSCI 22500 Healthcare Leadership and Safety
- \_\_\_ (3) MA 16010 Applied Calculus I [**Satisfies Quantitative Reasoning Core**]
- \_\_\_ (3) STAT 30100 Elementary Statistical Methods or STAT 50300 Statistical Methods for Biology

**HSCI Selective – select a total of 12 credits from list**

- \_\_\_ ( ) \_\_\_\_\_
- \_\_\_ ( ) \_\_\_\_\_

**Pre-Dentistry Concentration (24 credits)**

- \_\_\_ (3) \_\_\_\_\_ **HSCI Humanities, Behavioral/Social Sciences Selective** – select from HSCI list
- \_\_\_ (4) PHYS 22000 General Physics or PHYS 23300 Physics for Life Sciences I
- \_\_\_ (4) PHYS 22100 General Physics or PHYS 23400 Physics for Life Sciences II

**Science and Health Selective – select a total of 13 credits from list**

- \_\_\_ ( ) \_\_\_\_\_
- \_\_\_ ( ) \_\_\_\_\_

**Other Departmental / Program Course Requirements (15-16 credits)**

- \_\_\_ (3) COM 11400 Fundamental of Speech Communication [**Satisfies Oral Communication Core**]
- \_\_\_ (4-3) ENGL 10600 First Year Composition or ENGL 10800 Accelerated First-Year Composition [**Satisfies Written Communication Core**] and [**Information Literacy Core**]
- \_\_\_ (3) PSY 12000 Elementary Psychology [**Satisfies Behavioral/Social Science Core**]
- \_\_\_ (3) \_\_\_\_\_ **English Selective** – select any 20000 level or above ENGL course
- \_\_\_ (3) \_\_\_\_\_ [**Humanities Core**] – *select from University list*

**Electives (13-14 credits)**

- \_\_\_ ( ) \_\_\_\_\_
- \_\_\_ ( ) \_\_\_\_\_
- \_\_\_ ( ) \_\_\_\_\_
- \_\_\_ ( ) \_\_\_\_\_

*An Ethics course (such as PHIL 11100 Ethics or PHIL 27000 Biomedical Ethics) is highly recommended.*

**All students must complete 32 credits of 30000 level or higher courses at Purdue for graduation.**

**120 credits required for Bachelor of Science degree**

University Foundational Learning Outcomes List:

<https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html>

HSCI Selective List

HSCI 30500 Basics of Oncology  
HSCI 31000 Imaging in Medicine  
HSCI 33300 Introduction to Immunology  
HSCI 34500 Introduction to Occupational and Environmental Health Sciences  
HSCI 34600 Industrial Hygiene Engineering Control  
HSCI 34800 Industrial Hygiene Instrumentation Techniques  
HSCI 41500 Introduction to Nuclear and Radiological Source Security  
HSCI 42000 Applied Anatomy for Medicine  
HSCI 56000 Toxicology  
HSCI 56200 Analytical Toxicology and Pathology  
HSCI 58000 Occupational Safety and Ergonomics  
HSCI 58001 Occupational Biomechanics and Ergonomics Laboratory

HSCI Humanities, Behavioral/Social Sciences Selective List - select any course(s) from the following subjects:

American Sign Language (ASL)  
Anthropology (ANTH)  
Arabic (ARAB)  
Art & Design (AD)  
Chinese (CHNS)  
Classics (CLCS)  
Communication (COM)  
Dance (DANC)  
Economics (ECON)  
English (ENGL)  
French (FR)  
German (GER)  
Greek (GREK)  
Hebrew (HEBR)  
History (HIST)  
Interdisciplinary Studies (IDIS)  
Italian (ITAL)  
Japanese (JPNS)  
Korean (KOR)  
Latin (LTN)  
Music (MUS)  
Philosophy (PHIL)  
Political Science (POL)  
Portuguese (PTGS)  
Psychology (PSY)  
Russian (RUS)  
Sociology (SOC)  
Spanish (SPAN)  
Theatre (THTR)

Science and Health Selective

Any 30000 or above offering in the following areas:

BCHM  
CHM  
NUTR

**or**

Any 20000 or above offering in the following areas:

ANSC  
BIOL  
ENTM  
HDFS  
HK  
MA  
PHYS  
PSY  
PUBH

**or**

Select offerings:

AGRY 32000 Genetics  
AGRY 32100 Genetics Laboratory  
ANTH 20400 Human Origins  
ANTH 21200 Culture, Food & Health  
ANTH 53400 Human Osteology  
MA 16020 Applied Calculus II  
MA 16200 Plane Analytic Geometry & Calculus II  
MA 16600 Analytical Geometry & Calculus II  
PHYS 17200 Modern Mechanics  
VM 10200 Career in Veterinary Medicine

A student may elect the Pass / Not-Pass (P/NP) grading option for elective courses only, unless an academic unit requires that a specific departmental course/s be taken P/NP. Students may elect to take University Core Curriculum courses P/NP; however, some major Plans of Study require courses that also fulfill UCC foundational outcomes. In such cases, students may not elect the P/NP option. A maximum of 24 credits of elective courses under the P/NP grading option can be used toward graduation requirements. For further information, students should refer to the College of Health and Human Sciences P/NP Policy.

Students are encouraged to use this advising worksheet as a resource when planning progress toward completion of degree requirements. An Academic Advisor may be contacted for assistance in interpreting this worksheet. This worksheet is not an academic transcript, and it is not official notification of completion of degree or certificate requirements. The University Catalog is the authoritative source for displaying plans of study. The student is ultimately responsible for knowing and completing all degree requirements.

**Suggested Arrangement of Courses:**

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4	*BIOL 11000 <sup>cc</sup>		4	*BIOL 11100 <sup>cc</sup>	BIOL 11000
4	*CHM 11500 <sup>cc</sup>	MA 15400 or MA 15800 or ALEKS = 75	4	*CHM 11600 <sup>cc</sup>	CHM 11500
2	HSCI 10100	Fall only	3	*COM 11400 <sup>cc</sup>	
3	*MA 16010 <sup>cc</sup>	ALEKS = 75 or MA 15400 = C- or 15800 = C	3	HSCI 13100	
4-3	*ENGL 10600 <sup>cc</sup> OR 10800 <sup>cc</sup>				
<b>16-17</b>			<b>14</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	*BIOL 20300 <sup>cc</sup>	Fall only	4	*BIOL 20400 <sup>cc</sup>	BIOL 20300
3	CHM 25500 <sup>cc</sup>	CHM 11200 or CHM 11600	3	CHM 25600 <sup>cc</sup>	CHM 25500
1	CHM 25501 <sup>cc</sup>	CHM 25500 or may be taken concurrently	1	CHM 25601 <sup>cc</sup>	CHM 25600 or may be taken concurrently
3	*HSCI 20200	Fall only 3 cr. of BIOL & CHM	3	*HSCI 20100	Spring only Classification of O3
3	*STAT 30100 or STAT 50300		3	HSCI 22500	
			2	Elective	
<b>14</b>			<b>16</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	CHM 33900 or BCHM 30700	CHM 25600	4	PHYS 22100 or PHYS 23400	PHYS 22000 PHYS 23300
4	PHYS 22000 or PHYS 23300	College Algebra and Trig CHM 11500 & BIOL 1100 & MA16020	3	HSCI Selective	
3	*PSY 12000		3	HSCI HBSS Selective	
3	Humanities Selective	Select from University list	4	Science & Health Selective	Select from HSCI list
3	HSCI Selective				
<b>16</b>			<b>14</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Science & Health Selective		3	Science & Health Selective	
3	Science & Health Selective		3	HSCI Selective	
3	HSCI Selective		3	Elective	
3	English Selective	Select any 20000 or above ENGL course	3	Elective	
3	Elective		2-3	Elective	
<b>15</b>			<b>14-15</b>		

\*Satisfies a University Core Requirement.

<sup>cc</sup> Critical Course – a course that a student must be able to pass to persist and succeed in a particular major.

An Ethics course (such as PHIL 11100 Ethics or PHIL 27000 Biomedical Ethics) is highly recommended.

120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is the knowledge source for specific requirements and completion