

# Health Science: Pre-Physician Associate/Assistant

## Bachelor of Science (BS)

This degree map is based on the 2023-24 Academic Catalog and is subject to change. Students should meet with their academic advisor each semester and use Degree Works to monitor their individual progress toward degree completion. The time it takes to earn a degree will vary based on several factors including summer/winter enrollment, dual enrollment and number of courses successfully completed each semester. We recommend taking a minimum of 15 credits each fall and spring semester.

### Sample 4-Year Plan

#### First Year

Fall Courses	Credits	Spring Courses	Credits
EXER161 Introduction to Health and Exercise Science	3	HLSC108 or BIOL108 Medical Terminology	3
HLSC115 or BIOL180 Anatomy & Physiology 1 (N)	4	HLSC120 or BIOL181 Anatomy & Physiology 2	4
BIOL110 Principles of Biology 1 (N)	4	CHEM121 Chemistry 1 (N)* (see back)	4
FYS100 First Year Seminar (F)	3	PSYC100 Introduction to Psychology	3
		General Education / Elective	3
Semester Total	14	Semester Total	17

#### Second Year

Fall Courses	Credits	Spring Courses	Credits
HLSC200 Introduction to Disease	3	BIOL211 Cellular Biology	4
CHEM122 Chemistry 2	4	EXER378 Exercise Physiology	3
NUTR200 Introduction to Nutrition	3	STAT141 Introduction to Statistics (Q)	3
General Education / Elective	6	General Education / Elective	6
Semester Total	16	Semester Total	16

#### Third Year

Fall Courses	Credits	Spring Courses	Credits
CHEM231 Condensed Organic Chemistry	4	HLSC415 Pharmacology	3
PSYC212 Lifespan Development	3	HLSC498 Professional Field Experience in Health Sci	2
General Education / Elective	9	BIOL208 Human Genetics or BIOL209 Genetics	3
		General Education / Elective	6
Semester Total	16	Semester Total	14

#### Fourth Year

Fall Courses	Credits	Spring Courses	Credits
BIOL340 Microbiology	4	CHEM351 Biochemistry 1	4
HLSC407 Advanced Human Physiology	4	HLSC451 Advanced Human Anatomy	3
General Education / Elective	6	General Education / Elective	6
Semester Total	14	Semester Total	13

#### Winter/Summer College - Optional

While not required, Winter and Summer sessions are offered each year and may help you stay on track or get ahead. You may take up to seven (7) credits during Winter College and up to 14 credits during Summer College.

## Curriculum Checklist

### Health Science Core (57 Credits)

- \_\_\_ BIOL208 Human Genetics OR BIOL209 Genetics (3)#\*
- \_\_\_ BIOL211 Cellular Biology (4) #\*
- \_\_\_ BIOL340 Microbiology( 4)#\*
- \_\_\_ CHEM122 General Chemistry 2 (4)#\*
- \_\_\_ CHEM231 Condensed Organic Chemistry (4)#\*
- \_\_\_ CHEM351 Biochemistry 1 (4)\*
- \_\_\_ EXER161 Introduction to Health and Exercise Science (3)
- \_\_\_ EXER378 Exercise Physiology (3)\*
- \_\_\_ HLSC108 or BIOL108 Medical Terminology (3)
- \_\_\_ HLSC120 or BIOL181 Anatomy & Physiology 2 (4)#\*
- \_\_\_ HLSC200 Introduction to Disease (3)#
- \_\_\_ HLSC407 Advanced Human Physiology or BIOL474 Human Physiology (4)\*
- \_\_\_ HLSC415 or BIOL445 Pharmacology (3)\*
- \_\_\_ HLSC451 Advanced Human Anatomy (3)\*
- \_\_\_ HLSC498 Professional Field Experience in Health Science (2)\*
- \_\_\_ PSYC100 Introduction to Psychology (3)
- \_\_\_ NUTR200 Introduction to Nutrition (3)

### Health Science Electives (3 credits)

- \_\_\_ BIOL337 Basic Virology (3)\*
- \_\_\_ BIOL442 Advanced Virology (3)\*
- \_\_\_ BIOL443 Molecular Biology (3)\*
- \_\_\_ BIOL444 Molecular Biology Lab (1)\*
- \_\_\_ BIOL446 Immunology (3)\*
- \_\_\_ BIOL447 Immunology Lab (1)\*
- \_\_\_ BIOL462 Cancer Biology (3)\*
- \_\_\_ BIOL465 Medical Genomics (3)\*
- \_\_\_ BIOL466 Bioinformatics (3)\*
- \_\_\_ BIOL476 Neurophysiology (3)\*
- \_\_\_ EXER282 Care and Prevention of Physical Injury (3)
- \_\_\_ EXER294 Resistance Training Techniques (3)
- \_\_\_ EXER306 Psychology of Sport and Exercise (3)\*
- \_\_\_ EXER351 Biomechanics (3)\*
- \_\_\_ EXER360 Sport Nutrition (3)\*
- \_\_\_ EXER380 Research in Health and Exercise Science (3)\*
- \_\_\_ EXER453 Clinical Exercise Physiology (3)\*
- \_\_\_ EXER477 Exercise Testing and Prescription (3)\*
- \_\_\_ EXER478 Advanced Exercise Physiology (3)\*
- \_\_\_ HLSC140 Introduction to Public Health (3)
- \_\_\_ HLSC208 Stress Management and Life Skills for Health Promotion (3)
- \_\_\_ HLSC210 Public Health, Social Justice and Advocacy (3)
- \_\_\_ HLSC212 Introduction to Global Health Promotion (3)
- \_\_\_ HLSC218 Public Health and the Environment (3)
- \_\_\_ HLSC225 Comparative Healthcare (3)
- \_\_\_ HLSC290 Special Topics (3)
- \_\_\_ HLSC307 Cultural Aspects of Health (3)\*
- \_\_\_ HLSC332 Psychological Considerations for Injury and Illness (3)\*
- \_\_\_ HLSC335 Community-level Health Methods and Strategies (3)\*
- \_\_\_ HLSC336 Health Literacy and Patient Education (3)\*
- \_\_\_ HLSC340 Epidemiology (3)\*
- \_\_\_ HLSC350 Planning Health Promotion Programs (3)\*
- \_\_\_ HLSC401 Current Health Issues (3)\*
- \_\_\_ HLSC402 Evaluating Health Education and Promotion Programs (3)\*
- \_\_\_ HLSC420 Rehabilitation Science (3)\*
- \_\_\_ HLSC452 Advanced Human Anatomy Lab (1)\*
- \_\_\_ HLSC465 Rural Health Issues (3)\*
- \_\_\_ HLSC470 Sex Education for Health Sciences (3)\*
- \_\_\_ HLSC490 Special Topics (3)\*
- \_\_\_ HLSC493 Independent Study (variable)\*
- \_\_\_ HLSC498 Professional Field Experience in Health Science (variable)\*
- \_\_\_ NUTR310 Nutrition Assessment and Medical Terminology (3)\*
- \_\_\_ NUTR325 Nutrition Counseling and Education (3)\*
- \_\_\_ NUTR350 Nutrition in Healthcare (3)\*
- \_\_\_ SPPP208 Introduction to Sport and Performance Psychology (3)
- \_\_\_ SPPP318 Advanced Theory and Application of Sport and Performance Psychology (3)\*

A grade of B or better in indicated courses (#) is required for admission to the Physician Associate Program at Commonwealth University – Lock Haven.

## General Education Requirements

### (48 credits)

*Note: Some requirements may be fulfilled by coursework in your major program including directed Gen Ed courses noted below*

- A. Foundations (15 credits)
  - a. Quantitative: STAT141 Introduction to Statistics (3)#
- B. Interconnections (9 credits)
  - a. Diversity: PSYC212 Lifespan Development (3)
- C. Citizenship & Responsibility (6 credits from at least two goals)
- D. Natural World & Technologies (12 credits)
  - a. CHEM121 General Chemistry 1 (4)#^
  - b. BIOL110 Principles of Biology 1 (4)#
  - c. HLSC115 or BIOL180 Anatomy & Physiology 1 (4)#
- E. Creativity & Expression (6 credits)

## Degree Requirements

All students must obtain a minimum of 120 credits (a minimum of 42 credits must be advanced coursework), complete all General Education requirements, and all requirements for the selected major. Meet with your advisor and consult Degree Works to monitor your progress and for all graduation requirements.

*A minimum GPA of 2.0 in the major and overall are required.*

## Campus Locations

<b>Bloomsburg</b>	<input type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input type="checkbox"/> Blended
<b>Lock Haven</b>	<input type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input type="checkbox"/> Blended
<b>Mansfield</b>	<input type="checkbox"/> Online; <input type="checkbox"/> In-person; <input type="checkbox"/> Blended
<b>Clearfield</b>	<input type="checkbox"/> Online; <input type="checkbox"/> In-person; <input type="checkbox"/> Blended

\*Denotes advanced coursework

Students must take a minimum of 42 credits of advanced coursework to complete their undergraduate degree. Advanced coursework can be met in major courses, minor courses, free elective courses, and general education courses. Courses that meet this requirement are designated in Banner.

^ Enrollment in course is contingent on an ALEKS math placement score >61 or successful completion of MATH118 College Algebra with a grade of C or better.

Note: Progression through the sequence of all chemistry courses requires achievement of a minimum grade of C in pre-requisite