

# Basic Core Science Studies Postbaccalaureate Certificate

The Postbaccalaureate curriculum is offered as a non-degree program only and is no longer accepting applications for a Certificate in Basic Core Science Studies.

## Overview

The **Postbaccalaureate Certificate in Basic Core Science Studies** is a postbaccalaureate program for students not enrolled in an undergraduate major who are planning to apply to medical, dental, podiatry, physician assistant, physical therapy or pharmacy school.

The curriculum is designed to prepare students for standardized tests and coursework in health professional school, with small, primarily postbaccalaureate exclusive classes, individual and group academic support sessions and test prep, and full application support including personalized advising, committee letters and mock interviews.

For more information about the program, please visit: <https://postbac.cst.temple.edu/>.

**Program Code:** ST-BCSS-CRPB

Learn more about the postbaccalaureate certificate in Basic Core Science Studies.

## Certificate Requirements

To earn a Certificate in Basic Core Science Studies, students must complete the following required courses and additional requirements.

### Required Courses

The Certificate consists of a set of core course requirements and additional courses in one of 3 tracks based on the anticipated career path.

**Track 1:** For students interested in pursuing a career as an MD, DO, PharmD, DPM, or OD (36 Total Credit Hours)

**Track 2:** For students interested in pursuing a career as a DMD or DDS (37 Total Credit Hours)

**Track 3:** For students interested in pursuing a career as a PA (38 Total Credit Hours)

**Residency Requirements:** All coursework for the certificate must be completed at Temple while enrolled in the 12-month Post Baccalaureate Pre-Health Program in the College of Science and Technology.

### Core Courses

Code	Title	Credit Hours
BCMS 4003	Fundamentals of Biochemistry for Pre-Health Postbaccalaureates	4
CHEM 1051 & CHEM 1053	General Chemistry I for Pre-Health Postbaccalaureates and General Chemistry I Lab for Pre-Health Postbaccalaureates	4
CHEM 1052 & CHEM 1054	General Chemistry II for Pre-Health Postbaccalaureates and General Chemistry II Lab for Pre-Health Postbaccalaureates	4
CHEM 2251 & CHEM 2253	Organic Chemistry for Pre-Health Postbaccalaureates and Organic Chemistry Lab for Pre-Health Postbaccalaureates	7
<b>Total Credit Hours</b>		<b>19</b>

### Track Courses

#### Track 1: Additional Courses

Students interested in pursuing a career as an MD, DO, PharmD, DPM, or OD should complete the following courses:

Code	Title	Credit Hours
BIOL 2212	Introduction to Biology I for Pre-Health Postbaccalaureates	4
BIOL 2211	Introduction to Biology II for Pre-Health Postbaccalaureates	4
CHEM 1055	Introduction to Problem Solving and Logical Thinking for Pre-Health Postbaccalaureates	1
PHYS 1031	Physics I for Pre-Health Postbaccalaureates	4

PHYS 1032	Physics II for Pre-Health Postbaccalaureates	4
<b>Total Credit Hours</b>		<b>17</b>

### Track 2: Additional Courses

Students interested in pursuing a career as a DMD or DDS should complete the following courses:

Code	Title	Credit Hours
BIOL 2212	Introduction to Biology I for Pre-Health Postbaccalaureates	4
BIOL 2211	Introduction to Biology II for Pre-Health Postbaccalaureates	4
PHYS 1031	Physics I for Pre-Health Postbaccalaureates	4
PHYS 1032	Physics II for Pre-Health Postbaccalaureates	4
CHEM 1005	Practice and Development of Spatial Visualization Skills	1
CHEM 1055	Introduction to Problem Solving and Logical Thinking for Pre-Health Postbaccalaureates	1
<b>Total Credit Hours</b>		<b>18</b>

### Track 3: Additional Courses

Students interested in pursuing a career as a PA should complete the following courses:<sup>1</sup>

Code	Title	Credit Hours
ACMS 4004	Fundamentals of Physiology for Pre-Health Postbaccalaureates	4
ACMS 4005	Fundamentals of Physiology Lab for Pre-Health Postbaccalaureates	1
BIOL 1004	Medical Terminology for Pre-Health Postbaccalaureates	1
BIOL 2001	Clinical Microbiology	4
BIOL 4233	Human Anatomy for Pre-Health Postbaccalaureates	4
BIOL 4234	Human Anatomy Lab for Pre-Health Postbaccalaureates	1
CHEM 1055	Introduction to Problem Solving and Logical Thinking for Pre-Health Postbaccalaureates	1
MATH 1013	Elements of Statistics	3
<b>Total Credit Hours</b>		<b>19</b>

<sup>1</sup>

Students interested in Track 3 (career as a PA) have already taken Biology I and II before entering the program.

## Additional Requirements

1. Attend the appropriate standardized test preparatory course(s).
2. Participate in clinical enhancement and/or volunteer opportunities.
3. Attend mandatory advising sessions.