

Advanced Core Science Studies, Certificate

The CST Postbaccalaureate Program offers a certificate for successfully completing a full-academic-year course load of advanced core science courses that have been customized to help students prepare for the entrance exams and the first year course load for professional schools, including allopathic, osteopathic, and podiatric medical schools, dental schools, physician assistant programs, and pharmacy schools.

Only students who have already earned a bachelor's degree are eligible for acceptance to the Postbaccalaureate Program.

The program offers a supportive academic environment designed to help its students develop academically, professionally, and personally.

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

If you have questions for our leadership team, please send them to cst.postbac@temple.edu or call us at 215-204-0621.

Certificate Requirements

To earn a Certificate in Advanced Core Science Studies, students must complete the following 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 (26 Total Credit Hours)

Track 2: For students interested in pursuing a career as a DMD or DDS (27 Total Credit Hours)

Track 3: For students interested in pursuing a career as a PA (28 Total Credit Hours)

Residency Requirements: All coursework for the certificate must be completed at Temple while enrolled in the 10-month Post Baccalaureate Pre-Health Program in the College of Science and Technology.

Core Courses

Code	Title	Credit Hours
ACMS 4004	Fundamentals of Physiology	4
BIOL 4201	The Practice of Health Care: Competencies and Current Topics	1
BIOL 4218	Principles of Medical Genetics for Pre-Medical Post-Baccalaureates	4
BIOL 4233	Human Anatomy for Pre-Medical Post-Baccalaureates	4
BIOL 4275	Fundamentals of Medical Biochemistry	4
CHEM 1055	Introduction to Problem Solving and Logical Thinking for Pre-Medical Post-Baccalaureates	1
Total Credit Hours		18

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
ACMS 4006	Cellular and Molecular Basis of Immunology and Microbiology	4
BIOL 4268	Fundamentals of Cell and Cancer Biology for Pre-Medical Post-Baccalaureates	4
Total Credit Hours		8

Track 2: Additional Courses

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

Code	Title	Credit Hours
ACMS 4006	Cellular and Molecular Basis of Immunology and Microbiology	4
BIOL 4268	Fundamentals of Cell and Cancer Biology for Pre-Medical Post-Baccalaureates	4
CHEM 1005	Practice and Development of Spatial Visualization Skills	1
Total Credit Hours		9

Track 3: Additional Courses

Students interested in pursuing a career as a PA should complete the following courses:

Code	Title	Credit Hours
ACMS 4005	Fundamentals of Physiology Lab	1
BIOL 1004	Medical Terminology for Pre-Medical Post-Baccalaureates	1
BIOL 2001	Clinical Microbiology	4
BIOL 4234	Human Anatomy Lab for Pre-Medical Post-Baccalaureates	1
MATH 1013	Elements of Statistics	3
Total Credit Hours		10

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.