

Advanced Core Science Studies, Certificate

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

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 for Pre-Health Postbaccalaureates	4
BIOL 4201	The Practice of Health Care: Competencies and Current Topics	1
BIOL 4218	Principles of Medical Genetics for Pre-Health Postbaccalaureates	4
BIOL 4233	Human Anatomy for Pre-Health Postbaccalaureates	4
BIOL 4275	Fundamentals of Medical Biochemistry for Pre-Health Postbaccalaureates	4
CHEM 1055	Introduction to Problem Solving and Logical Thinking for Pre-Health Postbaccalaureates	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 for Pre-Health Postbaccalaureates	4
BIOL 4268	Fundamentals of Cell and Cancer Biology for Pre-Health Postbaccalaureates	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 for Pre-Health Postbaccalaureates	4
BIOL 4268	Fundamentals of Cell and Cancer Biology for Pre-Health Postbaccalaureates	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 for Pre-Health Postbaccalaureates	1
BIOL 1004	Medical Terminology for Pre-Health Postbaccalaureates	1
BIOL 2001	Clinical Microbiology	4
BIOL 4234	Human Anatomy Lab for Pre-Health Postbaccalaureates	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.