

# MEDICAL ANATOMY AND PHYSIOLOGY, POST-BACCALAUREATE CERTIFICATE

Saint Louis University's post-baccalaureate certificate program in medical anatomy and physiology aids graduates in gaining entry into medical school, other health care professional programs, or biomedical science graduate programs.

## Program Highlights

- The program has an 85% success rate for student placement in advanced degrees.
- The MAPP program partners with Saint Louis University School of Medicine and offers a guaranteed interview for those who qualify and have submitted an AMCAS application.
- Offered through the School of Medicine's Center for Anatomical Science and Education (CASE), the certificate program also offers its students the opportunity to apply for the CASE master's degree graduate programs (<https://www.slu.edu/medicine/medical-education/case/>).

## Curriculum Overview

Saint Louis University's graduate certificate in medical anatomy and physiology is a rigorous, two-semester, academic-enhancing program for post-baccalaureate scholars considering careers in medicine, other health care professions, or biomedical sciences.

Candidacy for a guaranteed interview for Saint Louis University School of Medicine will require a minimum MCAT score of 498 with demonstrated clinical, service, and research activities and that while enrolled in the MAPP program the student maintains a GPA of 3.25 each semester, participates in at least two service activities during the program and upholds professionalism. The guaranteed interview will occur during the spring semester while enrolled in the MAPP program.

Core courses successfully completed in the medical anatomy and physiology certificate program apply toward the completion of SLU's M.S. in anatomy (<https://www.slu.edu/medicine/medical-education/case/anatomy-ms.php>).

Learn More About MAPP (<https://www.slu.edu/medicine/medical-education/case/mapp-program.php>)

## Careers

Saint Louis University's graduate certificate in medical anatomy and physiology program allows students to explore career interests in the biomedical sciences while also getting a head start in pursuing an advanced degree. Many students who go on to medical school are qualified to be tutors and teaching assistants in advanced anatomical science courses.

## Admission Requirements

Applicants are admitted on a competitive basis and must have a bachelor's degree from an accredited college or university in the United States with a minimum overall GPA of 3.0 or a science GPA of 2.8.

Applicants must also have a minimum combined MCAT score of 495 or a GRE general test score at the 40th percentile.

## Application Requirements

- Application form and fee
- Transcript(s)
- One letter of recommendation
- GRE or MCAT scores

## Requirements for International Students

All admission policies and requirements for domestic students apply to international students. International students must also meet the following additional requirements:

- Demonstrate English Language Proficiency (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/>)
- Financial documents are required to complete an application for admission and be reviewed for admission and merit scholarships.
- Proof of financial support that must include:
  - A letter of financial support from the person(s) or sponsoring agency funding the student's time at Saint Louis University
  - A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of the student's study at the University
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include:
  - Courses taken and/or lectures attended
  - Practical laboratory work
  - The maximum and minimum grades attainable
  - The grades earned or the results of all end-of-term examinations
  - Any honors or degrees received.

WES and ECE transcripts are accepted.

## Application Deadline

Students must apply by August 1.

## Review Process

A committee examines and reviews the applicant and application wholly.

## Tuition

Tuition	Cost Per Credit
Graduate Tuition	\$1,310

Additional charges may apply. Other resources are listed below:

Net Price Calculator (<https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php>)

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/>)

## Scholarships and Financial Aid

For priority consideration for graduate assistantship, apply by Feb. 1.

For more information, visit the student financial services office online at <https://www.slu.edu/financial-aid/index.php> (<https://www.slu.edu/financial-aid/>).

## Learning Outcomes

1. Graduates will be able to will demonstrate competency in the clinically oriented anatomical sciences related to the human body through participation in didactic, small group discussions, interactive laboratories, and performance on written and laboratory examinations. These primary learning outcomes should better prepare the student for successful admission to medical, allied health professional or advanced graduate programs
2. Graduates will be able to describe prenatal human development with an emphasis on the correlation of normal embryological development with common congenital malformations.
3. Graduates will be able to identify and describe the microscopic and ultrastructural features of the human body with an emphasis on the clinical application of the structure and function of tissues and organs.
4. Graduates will be able to describe the physiological principles and mechanisms of the human body with an emphasis on normal function and key homeostatic processes within cells, tissues and organ systems.
5. Graduates will be able to identify and describe the normal structure and function of the human body with an emphasis on anatomical relationships and clinical significance.
6. Graduates will be able to identify and describe the structure and function of the human nervous system with an emphasis on functional neuroanatomical systems, concepts of key neurobiological processes, and the correlation of clinical presentation with nervous system lesions.

## Requirements

Code	Title	Credits
<b>Required Courses</b>		
ANAT 5000	Human Gross Anatomy	8
ANAT 5100	Human Histology and Ultrastructure	5
ANAT 5200	Human Embryology	2
ANAT 5300	Human Systems Neurobiology	5
ANAT 5400	Human Systems Physiology	4
<b>Total Credits</b>		<b>24</b>

## Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.