MEDICAL ANATOMY AND PHYSIOLOGY, POST-BACCALAUREATE CERTIFICATE

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

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. The program has an 85 percent success rate for student placement in advanced degrees.

Offered through the School of Medicine’s Center for Anatomical Science and Education (CASE), students also have the opportunity to apply for the CASE master’s degree graduate programs. Core courses successfully completed in the medical anatomy and physiology certificate program apply toward the completion of the M.S. in anatomy.

Saint Louis University’s post-baccalaureate certificate in medical anatomy and physiology offers students the opportunity to learn from a diverse team of faculty, clinicians and scientists dedicated to teaching, training and advising students. Students will experience hands-on training in gross anatomy and neuroanatomy laboratories in an academic center that has been providing expert anatomical education for more than 100 years.

Careers
The program gives students the opportunity explore career interests in the biomedical sciences while also giving students a head start in pursuing an advanced degree. Many students 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 degree from an accredited college or university in the United States with a minimum overall GPA of 3.0 or science GPA of 2.8.

Applicants must also have either 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)
• Three letters of recommendation
• GRE or MCAT scores

Requirements for International Students
All admission policies and requirements for domestic students apply to international students along with the following:

• Demonstrate English Language Proficiency (http://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/)
• Proof of financial support must include:
  • A letter of financial support from the person(s) or sponsoring agency funding the 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 study at the University
• Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the 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, and any honors or degrees received. WES and ECE transcripts are accepted.

Application Deadline
Students must submit the application by Aug. 1.

Review Process
A committee examines and reviews the applicant and application wholly.

Scholarships and Financial Aid
For priority consideration for graduate assistantship, applicants should complete their applications by Feb. 1.

For more information, visit the student financial services office online at http://finaid.slu.edu.

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 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 correlation of clinical presentation with nervous system lesions.

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### Requirements

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<td>ANAT 5000</td>
<td>Human Gross Anatomy</td>
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<td>ANAT 5100</td>
<td>Human Histology and Ultrastructure</td>
<td>5</td>
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<td>ANAT 5200</td>
<td>Human Embryology</td>
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<td>Human Systems Neurobiology</td>
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<td>ANAT 5400</td>
<td>Human Systems Physiology</td>
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<td><strong>Total Credits</strong></td>
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**Continuation Standards**

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