

CARDIOVASCULAR PERFUSION (MS)

Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/health-professions/emerging-health-professions/academic-programs/ms-cardiovascular-perfusion/entry-level.html>)

Program Description

The Center for Perfusion and Extracorporeal Technology will produce competent entry-level perfusionists in the cognitive, psychomotor, and affective learning domains. Graduates will be eligible to apply to take the national certification examinations offered by the American Board of Cardiovascular Perfusion.

The mission of the Center for Perfusion and Extracorporeal Technology is to train competent, focused and highly skilled perfusion technicians. Using evidence-based medicine, the program will produce students ready for board examinations and prepare graduates to perform the duties and responsibilities of a cardiovascular perfusionist in a variety of clinical settings.

Learning Domains

- Cognitive - Mastery of the entry-level body of knowledge regarding the application of clinical perfusion.
- Psychomotor - Mastery of the fundamental and emergency clinical skills necessary for the safe conduct of clinical perfusion.
- Affective - Fluency of professional communication, behaviors and attitudes.

Curriculum: 2 Years, 85 Credits

Course	Title	Credits
First Year		
Fall		
PER 500	Perfusion Technology I	4
PER 510	Human Physiology	4
PER 520	CV Anatomy	3
PER 690	Clin App in Perfusion I	3
PER 650	Organizational Leadership	3
Credits		17
Spring		
PER 600	Perfusion Technology II	4
PER 620	Pharmacology for Perfusion	3
PER 610	Human Physiology II	4
PER 540	Pathophysiology	3
PER 691	Clin Application Perfusion II	4
Credits		18
Summer		
PER 640	Applications of ECMO & VAD	1
PER 692	Clinical App in Perfusion III	12
PER 660	Foundation/Biostatistical Methods	3
Credits		16

Course	Title	Credits
Second Year		
Fall		
PER 693	Clin App in Perfusion	12
PER 530	Medical Ethics	2
PER 670	Applied Research Des & Methods	3
Credits		17
Spring		
PER 694	Clin Application Perfusion V	12
PER 550	Perfusion Basic Science Review	2
PER 700	Perfusion Capstone Project	3
Credits		17
Total Credits		85