

# 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 of the Master of Science in Cardiovascular Perfusion 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 Goals/Outcomes

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

## Curriculum: 2 years, 85 credits

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

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