

## Pre-Clinical Perfusion Courses at UMKC

The following courses are commonly required and/or recommended for entry into clinical perfusion programs. Familiarize yourself with the requirements of programs of interest to you to ensure you are taking the proper courses to meet their entry requirements.

### Required Courses

Math 110	College Algebra	3 hrs
Math 210	Calculus I	3 hrs
English 110	English Composition I	3 hrs
English 225	English Composition II	3 hrs
Biol 108	General Biology I	3 hrs
Biol 108L	General Biology I Lab	1 hr
Biol 109	General Biology II	3 hrs
Biol 109L	General Biology II Lab	1 hr
LS Anat 118	Human Anatomy	3 hrs
LS Anat 118L	Human Anatomy Lab	2 hrs
LS Phys 117	Human Physiology	3 hrs
LS Phys 117L	Human Physiology Lab	1 hr
Chem 211	General Chemistry I	4 hrs
Chem 211L	General Chemistry I Lab	1 hr
Chem 212	General Chemistry II	4 hrs
Chem 212L	General Chemistry II Lab	1 hr
Physics 210	General Physics I (includes lab)	4 hrs
Psy 210	General Psychology	3 hrs
His 101/102	Pol Sci 210 US History/Gov	3 hrs
Social Sciences/Humanities		6 hrs
Total hours of Pre-CP coursework:		<b>55 hrs</b>

### Recommended Courses

Com S 110	Public Speaking	3 hrs
Chem 321	Organic Chemistry I	3 hrs
Chem 321L	Organic Chemistry I Lab	1 hr
Chem 322	Organic Chemistry II	3 hrs
Chem 322L	Organic Chemistry II Lab	1 hr
LS Bioc 341	Basic Biochemistry	3 hrs
LS Mrcb 121	Microbiology	3 hrs
LS Mrcb 121L	Microbiology Lab	1 hr

For more information please contact:

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## **Pre-Clinical Perfusion Courses at UMKC (con't)**

In addition to the aforementioned pre-requisite courses, you should also:

- Volunteer and job shadow in a variety of medical settings throughout your college career (i.e. hospitals, community clinics, medical centers, rural and urban settings, mission trips in U. S. and abroad, etc.)
- Actively involve yourself with activities demonstrating your social conscience, compassion, and personal character
- Show leadership ability through collegiate or community activities
- Possess ability to communicate with a variety of people in a variety of ways (i.e. written, verbal, non-verbal, technological, etc.)
- Demonstrate your ability to effectively manage time

Perfusion programs in the Midwest:

- University of Nebraska Medical Center-Omaha, NE  
Master's program  
Deadline is February 1<sup>st</sup> for entry beginning the following fall
- Rush University-Chicago, IL  
Bachelor's and Master's program  
Deadline is February 1<sup>st</sup> for entry beginning the following fall
- University of Iowa Healthcare-Iowa City, IA  
Post-baccalaureate program (no degree)  
Deadline is January 1<sup>st</sup> for entry beginning the following fall

The following resources will be of assistance to you in exploring the options for clinical perfusion programs:

What is Perfusion?

<http://www.perfusion.com/cgi-bin/absolutenm/templates/articledisplay.asp?articleid=1548&zoneid=6>

American Academy of Cardiovascular Perfusion (AACP)

<http://www.theaacp.com/>

The American Society of ExtraCorporeal Technology (AMSECT)

<http://www.amsect.org/>

Missouri Perfusion Society-Connect with Perfusionists in the Area

<http://missouriperfusion.com/>

CAAHEP List of Accredited Perfusion Programs

[http://www.caahep.org/Find\\_An\\_Accredited\\_Program.aspx](http://www.caahep.org/Find_An_Accredited_Program.aspx)