Pre-Clinical Perfusion

Health Careers Resource Center 402-554-5980

Information:

Pre-clinical perfusion students must complete a bachelor's degree, as well as the requirements below to be considered for the University of Nebraska Medical Center's Master of Science in Clinical Perfusion program.

Applicants should be well-rounded in the biological sciences, chemistry and mathematics.
Preference is given to students with a minimum cumulative GPA and math/science GPA of 3.0+
The GRE is required.

Recommended Curriculum:

Biological Sciences		**(12 credit hours minimum)**
BIOL 1450	Biology I	5 credits
BIOL 2140*	Genetics	4 credits
BIOL 2440	The Biology of Microorganisms	4 credits
BIOL 2740 & 2840	Human Physiology & Anatomy I & II	4 credits each
BIOL 3020	Molecular Biology of the Cell	3 credits
BIOL 3240	Introduction to Immunology	3 credits
BIOL 3740	Histology	4 credits

*BIOL 1750 (Biology II) is a pre-requisite to Genetics

Chemistry		**(6 credit hours minimum)**
CHEM 1180* & 1184	General Chemistry I & Lab	4 credits
CHEM 1190 & 1194	General Chemistry II & Lab	4 credits
CHEM 2250	Organic Chemistry I	3 credits
CHEM 2260 & 2274	Organic Chemistry II & Lab	5 credits
CHEM 2400 & 2404	Quantitative Chemical Analysis & Lab	5 credits

*Requires Math 1320 or placement beyond, OR completion of CHEM 1140 & 1144 w/ C- or better as pre-requisites

Mathematics		**(3 credit hours minimum)**
MATH 1320	College Algebra	3 credits
(more math is recommended)		

Physics		**(5 credit hours minimum)**
PHYS 1110* & 1154	General Physics & Lab	5 credits
OR PHYS 2110** & 1154	General Physics—Calculus Based & Lab	5 credits

It is recommended that additional courses in chemistry, biology, and mathematics, beyond the required minimums be taken, prior to application.

Three clinical observations are required

Number of students accepted to UNMC's Clinical Perfusion program each year: 12

Disclaimer: The information provided in this guide is for general information purposes only. Students are strongly encouraged to verify pre-requisite information with school(s) of choice.

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