

PRE-CLINICAL PERFUSION

Undergraduate Credit Required	Bachelor's degree
Entrance Exam	GRE (gre.org)
Professional Schooling Required	21 months; Master of Perfusion Science
Local Professional Schools	UNMC; see www.caahep.org for more programs
Professional Organization Websites	amsect.org (American Society of Extracorporeal Technology)

REQUIRED AND RECOMMENDED ELECTIVES FOR CURRENTLY ENROLLED UNL UNDERGRADUATE STUDENTS

The following course recommendations fulfill the entrance requirements for the UNMC College of Allied Health Professions Clinical Perfusion Education program. Students should pursue a course of study that is well rounded in the biological sciences, chemistry, and math. Students who are considering Clinical Perfusion programs outside of Nebraska are encouraged to contact those programs directly for a list of entrance requirements.

AP Credit: AP Credit is not accepted for science or math prerequisites for UNMC's clinical perfusion program.

Math Requirement: Some required science courses, like chemistry, require math as a prerequisite. See your pre-health advisor for math placement information.

REQUIRED COURSES

Biological Sciences – 12 hours		
BIOS 112/112L, 206, 213/213L, 214, 312, 315, 386, 408, 443 LIFE 120/120L, 121/121L		
Course	Term	Grade
BIOS		
BIOS		
BIOS		
Chemistry – 1 sequence		
CHEM 109 and 110 or 113, 114, and 221		
Course	Term	Grade
CHEM		
CHEM		
Physics – 1 course with lab		
PHYS 141 or 211/221		
Course	Term	Grade
PHYS		
Math – 1 course		
MATH 101, 103, 106, 107, 208		
Course	Term	Grade
MATH		

SUGGESTED ELECTIVES

- **Quantitative Analysis:** CHEM 221
- **Organic Chemistry with lab:** CHEM 251/253, 252/254, 261/263, 262/264, or 255/257
- **Biochemistry:** BIOC 321/321L or 431
- **Advanced Biological Sciences:** BIOS 388, 407, 418, 422

Suggested Sequence of Required and Recommended Courses*	
Semester 1 Math per Math Placement Exam Biological Sciences with lab	Semester 2 General Chemistry I with lab Biological Sciences with lab
Semester 3 General Chemistry II with lab Biological Sciences	Semester 4 Additional Biological Sciences Physics I with lab
Semester 5 Additional Biological Sciences or Additional Chemistry	Semester 6 Additional Biological Sciences or Additional Chemistry
Semester 7 Additional Biological Sciences or Additional Chemistry	Semester 8 Additional Biological Sciences or Additional Chemistry

*Sequence may vary from above depending on declared major requirements

EXTRA CURRICULAR INVOLVEMENT & ACTIVITIES

Pursuing Pre-Clinical Perfusion requires more than just coursework. Your extracurricular activities, employment, and healthcare experiences like shadowing and volunteering will contribute greatly to your success in this field. See your pre-health advisor in the Explore Center to plan extracurricular activities that will prepare you for this program.

APPLICATION AND ADMISSION

- Application: Students applying to clinical perfusion programs will follow the specific application procedures for each program to which they wish to apply. For a list of accredited clinical perfusion programs, see www.caahep.org. To apply to UNMC's program, see unmc.edu/alliedhealth/education/cpe/admission/apply.html.
- Entrance Exam: The Graduate Record Examination (GRE) is required. Visit ets.org/gre for more information.
- Additional Admissions Requirements: To be considered, UNMC also requires three personal references, three (3) verified clinical observations, and an interview.

ADDITIONAL RESOURCES

Explore Health Careers: explorehealthcareers.org

University of Nebraska Medical Center
College of Allied Health Professions
Office of Academic & Student Affairs
(402) 559-6673
cahpadmissions@unmc.edu
unmc.edu/alliedhealth

The American Society of Extra-Corporeal Technology (AmSECT): amsect.org

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