

PRE-CLINICAL PERFUSION

Undergraduate Credit Required	Bachelor's degree (UNMC and most programs)
Entrance Exam	GRE (gre.org)
Professional Schooling Required	21 months; Master of Perfusion Science (UNMC), other programs vary
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 206, 213/213L, 214, 312, 386, 408, 443 LIFE 120/120L, 121/121L		
Course	Term	Grade
LIFE		
BIOS/LIFE		
BIOS		
Chemistry – 1 sequence		
CHEM 109A/109L* and 110A/110L* or 113A/113L* and 114		
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,
or 262/264
- **Biochemistry:** BIOC 401/401L or 431
- **Advanced Biological Sciences:** BIOS 302, 407, 418, 422

*CHEM 109A/109L are equivalent to CHEM 109; CHEM 110A/110L are equivalent to CHEM 110; CHEM 113A/113L are equivalent to CHEM 113.

Suggested Sequence of Required and Recommended Courses*	
Semester 1 Math per Math Placement Exam LIFE 120/120L	Semester 2 Chemistry I LIFE/BIOS with lab
Semester 3 Chemistry II 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 CHEM/BIOC
Semester 7 Additional Biological Sciences or Additional CHEM/BIOC	Semester 8 Additional Biological Sciences or Additional BIOS

*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 conversations with a Perfusionist, 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

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Explore Center

Love Library South 127
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  UNL Explore Center



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