MASTER OF CLINICAL PERFUSION DAO

The Master of Perfusion Science (MPS) Degree Advancement Option (DAO) allows working Perfusionists, who have completed a CAAHEP-accredited perfusion program, the opportunity to advance their education and professional goals while working in their home communities. Qualified candidates work with the program director to develop a plan of study that includes coursework and a thesis project designed to match the student’s clinical and educational background with their professional goals.

Students are allowed up to 3 years to complete the degree advancement option; however if it possible to complete the program in four semesters, depending on the student’s course load. The MPS DAO program is available through distance education technology and may be completed on a part-time basis by qualified Perfusionists.

Courses are available through a variety of distance learning technologies (mostly synchronous and asynchronous online activities, independent reading, and projects). Students are required to write papers, complete projects, conduct research, communicate with professors and students online, work independently on assignments and with coworkers on group projects, do case presentations, take quizzes and exams, etc.

The Master of Perfusion Science Degree Advancement Option objectives are:

- To enable Perfusion professionals in good standing to earn a Master’s of Perfusion Science (MPS) degree.
- To utilize distance learning technologies; providing access to education and the opportunity for technologists to continue to work in their profession while they complete their degree.
- To provide Perfusion professionals the opportunity to advance professionally and personally, develop independent-thinking and critical-judgment skills, and to become more flexible and competitive in today’s healthcare environment.

Admission to the Program

Degree Offered
Master of Perfusion Science (MPS)

Admissions Requirements
Admission to the Master of Perfusion Science Degree Advancement Option requires the applicant to successfully complete the following prior to matriculation:

Applicants to the MPS DAO must:

- Complete a Bachelor’s degree from a United States or Canadian accredited college or university.
- Be a graduate of a CAAHEP-accredited perfusion education program from within the United States and
- Present a Perfusion program GPA of at least 3.0 on a 4.0 scale.

Biological Sciences
Twelve (12) semester hours are required which may include laboratory sessions. Such courses should emphasize body structure, development, tissue organization and function. These courses may include but are not limited to general biology, cell biology, microbiology, physiology, anatomy, zoology, histology, embryology, genetics and immunology.

Physical Sciences
Six (6) semester hours of chemistry are required. Such courses should emphasize physical principles and may include but are not limited to general chemistry, qualitative analysis, quantitative analysis, and organic chemistry. Additionally, three (3) semester hours of physics including laboratory session are required. Such courses may include general physics, quantum physics, or physics for life sciences.

Mathematics
Three (3) semester hours are required.

Participant Requirements
Participants need to possess computer operating system skills and have easy access to a computer with a high speed Internet connection and up-to-date software. Local preceptor, or proctor, may be utilized.

Review the Computer Requirements (http://www.unmc.edu/alliedhealth/_documents/computer-requirements-cahp.pdf).

All applications and transcripts are reviewed by the Clinical Perfusion Education Program Director on a case-by-case basis. Grades lower than "C" will not transfer for credit. Additional coursework may transfer for credit; course description and syllabus may be requested for evaluation of equivalency with UNMC.

Applicants will be considered without regard to age, sex, race, color, national origin, religion, political beliefs, or disability. Motivational factors, life experience, patient care experience, maturity, and references are important factors in the admission process.

How to Apply
For information on how to apply to the MPS DAO Program, visit the "How to Apply (https://www.unmc.edu/alliedhealth/education/online/mpsdao/apply.html)” website. For information on application deadlines and interview dates, visit the "Application Deadline (http://www.unmc.edu/alliedhealth/education/deadlines.html)” website.

Academic Progress
Students enrolled in the Masters Degree Clinical Perfusion are expected to make satisfactory academic progress toward the completion of their Plan of Study and degree requirements. All courses must be passed with a grade of “C” or better and a 2.0 cumulative grade point average (GPA) must be maintained throughout enrollment in the program. Courses may be repeated only once, and a cumulative GPA below 2.0 at the completion of any semester will result in dismissal from the program.

Degree Completion
Upon successful completion of all requirements by the deadline dates set by the Program, graduates of the MPS DAO are welcome to participate in the graduation ceremonies in Omaha, Nebraska (May and December only). Graduates will be awarded the Master of Perfusion Science degree.

To obtain your transcripts, please visit the UNMC Student Services website (http://www.unmc.edu/studentservices).

Continuing Education
For the purpose of reporting continuing education activity to the American Board of Cardiovascular Perfusion (ABCP), CEU’s will apply
only toward credit hours not converted to academic credit hours. This occurs only by withdrawal from the program or failure to complete the program in the allotted 36 month period. ABCP credit may be applied as Category III CEUs as described in their Booklet of Information (http://www.abcp.org/pd/boi.pdf).

**Curriculum**

The Plan of Study includes required allied health and perfusion science courses.

**DAO Curriculum**

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>CLPR 520</td>
<td>THESIS DEVELOPMENT</td>
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<td>CLPR 722</td>
<td>PERFUSION SEMINAR III</td>
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<td>CLPR 723</td>
<td>PERFUSION SEMINAR IV</td>
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<td>CLPR 765</td>
<td>SPECIAL STUDIES IN ADVANCED CLINICAL PERFUSION I</td>
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<td>CLPR 766</td>
<td>SPECIAL STUDIES IN ADVANCED CLINICAL PERFUSION II</td>
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<td>CLPR 775</td>
<td>SURVEY IN ADVANCED EXTRACORPORAL SCIENCE I</td>
<td>2</td>
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<td>CAHP 626</td>
<td>HEALTH CARE ETHICS AND CRITICAL THINKING</td>
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<td>CAHP 631</td>
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**Total Credit Hours** 20