



**Physician Assistant Studies Campus Address & General Office: 260 Brodie Centre -727 McDermot Ave
R3E 3P5 Telephone: (204) 272.3094 Fax: (204) 480.1372 Email Address: mpas@umanitoba.ca**

Website: <http://umanitoba.ca/physicianassistant/index.html>

Academic Staff: Please see our website for Academic staff information:

<http://umanitoba.ca/physicianassistant>

The Master of Physician Assistant Studies (MPAS) is a 25-month graduate studies program and nationally accredited. Designed to educate generalist medical providers eligible for the national certification exam and qualify for PA licensure in Manitoba. The program accepts 15 students per year. Housed within the Max Rady College of Medicine and Faculty of Graduate Studies the MPAS incorporates the concepts of student centred professional education with the clinical competencies necessary for effective physician assistant practice.

Fields of Research

The Program faculty's research focus lies in the area of physician assistant education and PA-related health policy. Students in the MPAS are required to complete a Capstone research project and are encouraged to cultivate research interests in a range of clinical and quality improvement areas.

Clinical and Research Facilities

The MPAS is housed at the Bannatyne Health Sciences campus although clinical experience occurs across Manitoba. Students have access to the resources of the Neil John Maclean Health Sciences Library

Master of Physician Assistant Studies

Admission

The MPAS admission requirements are those outlined as the minimum admission requirements of the Faculty of Graduate Studies found in the Graduate Studies Regulations Section of this Calendar.

This Program is open to graduates of a four-year Bachelor's degree, preferably in a health sciences field, from a college or university recognised by the University of Manitoba, with a minimum GPA of 3.0 in the last two full years (60 credit hours) of study. Undergraduate courses in Human Anatomy, Physiology and Biochemistry are required. Microbiology and Psychology are asset courses. The program is highly oversubscribed and admission is competitive.

Technical Standards Requirement (Essential Skills and Abilities for Admission, Promotion and Graduation)

The Rady Faculty of Health Science's Max Rady College of Medicine and the MPAS program have adopted a Technical Standards Policy Document that describes the requisite skills and abilities required to participate in the MPAS. The policy is on the program website.

All applicants are required to submit 3 Application Forms: Faculty of Graduate Studies Application, MPAS Supplementary Application and Adult Criminal Records and Child Abuse Registry Self Declaration Form. All applicants must be eligible for registration with the College of Physicians and Surgeons of Manitoba on the PA Education register. Further information is on the program website.

Admission Deadlines

There is only one intake per year, at the beginning of September. Application deadline is January 15th, for admission the following September.

Please visit the MPAS website <http://umanitoba.ca/physicianassistant>.

Program Requirements

The MPAS is a two-year program. The first year coursework is delivered over three terms, September – July, as a combination of lecture, clinical skills training, and seminars. The second year includes 48-weeks of core clinical rotations. All courses are required major courses, and students must maintain full-time registration throughout the Program.

Second language requirement: none

Bilingual students are invited to participate in French-English clinical sites

Expected time to graduation: 26 months inclusive of the National Certification Examination.

Master of Physician Assistant Studies Course Descriptions

Enrollment in MPAS is a requirement in all courses

FALL TERM COURSES Yr 1:

PHAC 7230 Fundamentals in Pharmacology for Health Care I Credit Hrs: 3
Foundational knowledge on pharmacokinetic (drug metabolism), pharmacodynamics (drug action), and the principles of the specific drug classes prescribed by Physician Assistants. Course delivery will involve lectures with clinical case-based tutorials. Undergraduate Biochemistry is a prerequisite.

PAEP 7000 Physiology & Pathophysiology for Physician Assistants I Credit Hrs: 3
Physiology and Pathophysiology PAEP 7000 (1st Term) and 7002 (2nd Term) provide the PA-Learner a foundation of Biomedical Science used to develop and base their further clinical knowledge. Undergraduate Physiology is a prerequisite.

PAEP 7010 Human Anatomy for Physician Assistants Credit Hrs: 3
Human Anatomy for the PA consists of didactic lectures and laboratory sessions providing a regional approach to the study of the human body. During the laboratory sessions, students will examine pre-dissected human cadaveric specimens and view models relating to the structures discussed in the lectures. Human Anatomy at an Undergraduate level is a prerequisite.

PAEP 7030 Professional Studies for Physician Assistants Credit Hrs: 3
Professional Studies for Physician Assistants is designed to provide students with an introduction to the role and culture of their profession. Presentations and Assignments address the subject areas of Informatics, Bioethics, Social Determinant and Population Health, Interprofessional Collaboration, and PA Culture.

PAEP 7042 Biochemistry for Physician Assistants Credit Hrs: 1
Biochemistry for Physician Assistants provides a review of the chemical processes and substances occurring in living things. This course establishes a baseline of knowledge to support the MPAS curriculum. Undergraduate Biochemistry is a prerequisite.

PAEP 7045 Research & Clinical Practice for Physician Assistants Credit Hrs: 1
Research is fundamental to the development of knowledge and practice in the health professions. Course emphasis is on understanding and critiquing research reports appropriate for clinical practice improvement. Course instructors recommend though do not require statistics and prior research experience.

PAEP 7052 Patient Assessment for Physician Assistants I Credit Hrs: 2
Patient Assessment introduces learners to the structure and sequence of a clinical interview and physical examination based on a patient-centered approach. This course is taught in a combined lecture/demonstration/lab format in three stand-alone sections over three terms.

Curriculum Integration Nil Credit
Clinical Integration is an introduction to critical thinking skills, medical documentation and case-based learning presented in the Master Physician Assistant Studies curriculum. In small groups or as a whole, the class will investigate relevant issues of the case, factors related to patient care, and approaches to clinical medicine building on program material.

WINTER TERM COURSES Yr 1:

PHAC 7240 Fundamentals in Pharmacology for Health Care II Credit Hrs: 3
Foundational knowledge on pharmacokinetic (drug metabolism), pharmacodynamics (drug action), and the principles of the specific drug classes prescribed by Physician Assistants. Course delivery involves lectures with clinical case-based tutorials. Undergraduate Biochemistry is a prerequisite and a passing grade in PHAC 7230.

PAEP 7002 Physiology & Pathophysiology for Physician Assistants II Credit Hrs: 3
Building on PAEP 7000 Physiology and Pathophysiology 7002 (2nd Term) provide the PA-Learner with a foundation of Biomedical Science used to develop and base their further clinical knowledge. Passing Grade in PAEP7000 is a prerequisite.

PAEP 7054 Patient Assessment for Physician Assistants II Credit Hrs: 2
Patient Assessment 7054 instructs learners in the clinical examination and medical histories required for the problem-focused approach. This course is taught in a combined lecture/demonstration/lab format and is the second of three stand-alone sections. A passing grade in PAEP7052 is a prerequisite.

PAEP 7068 Adult Medicine for Physician Assistants (I) Credit Hrs: 6
Adult Medicine for Physician Assistants (I), organised into system blocks focuses on assessment, diagnosis, and treatment of patients with acute and chronic medical illnesses. Physician-specialists deliver the clinical material and case studies in curriculum integration.

PAEP 7090 Principles of Psychiatry for Physician Assistants Credit Hrs: 3
Psychiatry for Physician Assistants provides an introduction into the core course material utilised in the diagnosis and provision of care for patients who require mental health counselling, psychiatric health services, and referral to the appropriate services.

PAEP 7110 Emergency & Critical Care for Physician Assistants Credit Hrs: 3
Emergency and Critical Care Medicine course provide the PA-student with the knowledge to assess and respond with the appropriate action to life-threatening events. The course emphasis the required actions in the first 24-hours of acute medical emergencies.

Curriculum Integration (II) Nil Credit
Clinical Integration (II) supports the critical thinking skills and case-based learning presented in the Master Physician Assistant Studies curriculum. In small groups or as a whole, the class will investigate relevant issues of the case, factors related to patient care, and approaches to clinical medicine building on program material.

Early Exposure Nil Credit
Physician Assistant learners are provided with an early exposure opportunity in a variety of clinical medical settings.

SUMMER TERM COURSES Yr 1:

PAEP 7046 Genetics for Physician Assistants Credit Hrs: 1
Genetics for Physician Assistants provides an introduction to the world and nature of Medical Genetics, one of the most rapidly advancing fields of medicine. The format of a 15 to 20-minute lecture and illustrative cases and problems are team-taught.

PAEP 7048 Pediatrics for Physician Assistants Credit Hrs: 3

A comprehensive overview of paediatric medicine for the Physician Assistant focusing on growth and development, clinical interactions and reasoning skills, and strategies for health promotion.

PAEP 7050 Obstetrics & Gynecology for Physician Assistants Credit Hrs: 3

This course imparts an understanding of normal pregnancy and development medical, surgical, infectious, and developmental conditions within the fields of obstetrics and gynaecology. A blended course with 2 hours of online learning and 1 hour of class instruction per week.

PAEP 7056 Patient Assessment for Physician Assistants (III) Credit Hrs: 2

This third part of Patient Assessment for Physician Assistants continues to refine the structure and sequence of physical examinations and clinical interview. The course uses a combined lecture/demonstration/lab format.

PAEP 7078 Adult Medicine for Physician Assistants (II) Credit Hrs: 6

Adult Medicine for Physician Assistants (II), organised into system blocks focuses on assessment, diagnosis, and treatment of patients with acute and chronic medical illnesses. Physician-specialists deliver the clinical material and case studies in curriculum integration. A passing grade in PAEP7068 is required to continue in PAEP7078.

PAEP 7082 Diagnostic Imaging for Physician Assistants Credit Hrs: 1

Diagnostic Imaging for Physician Assistants provides an overview of the principles of radiation safety and diagnostic imaging for Physician Assistants using a flip-class room format.

PAEP 7084 Microbiology for Physician Assistants Credit Hrs: 1

Microbiology and Infectious Diseases for Physician Assistants provides an introductory course into the clinician's approach to the effective and efficient diagnosis, treatment, and management of infectious disease.

PAEP 7100 Principles of Surgery for Physician Assistants Credit Hrs: 3

Principles of Surgery for Physician Assistants incorporates the principles and techniques of safe and effective surgical care of the whole person of any age. The course provides an approach to the subject matter required for clinical rotations.

PAEP 7150 Year 1 Comprehensive Exam Pass/Fail

A pass/fail multiple choice examination designed to assess students' knowledge of clinically relevant Year 1 material before entry into their clinical year.

Curriculum Integration (III) Nil Credit

Clinical Integration (III) supports the critical thinking skills and case-based learning presented in the Master Physician Assistant Studies curriculum. In small groups or as a whole, the class will investigate relevant issues of the case, factors related to patient care, and approaches to clinical medicine building on program material.

Early Exposure Nil Credit

Physician Assistant learners are provided with an early exposure opportunity in a variety of clinical medical settings providing an opportunity to patient assessment skills in a clinical setting.

Procedural Lab**Nil Credit**

The Laboratory portion of Principles of Surgery and the Emergency and Critical Care courses for Physician Assistants incorporates the principles and techniques of safe and effective procedures required of PAs. The sessions will include vascular access, resuscitation; airway management, wound care and healing; and other related diagnostic procedures.

PAEP7150 Comprehensive Exam

A cumulative examination of material presented during the Academic year and the Advanced Cardiac Life Support Course. Graded pass-fail with Passing required to progress to the Clinical Year.

MPAS CLINICAL YEAR COURSES**PAEP 7202 Family Medicine for Physician Assistants: 8 weeks****6 Credits**

A Family Medicine clinical learning experience with a Physician, who specialises in primary health care.

PAEP 7260 Community Health (Family Medicine II) for Physician Assistants: 4 weeks 3 Credits

The Community Health clinical learning experience is a 4-week block with a focus on Community Family Medicine - Primary Health Care.

PAEP 7210 Clinical Internal Medicine for Physician Assistants: 6 weeks**3 Credits**

The 6-week Internal Medicine rotation at one of the two tertiary care facilities in Winnipeg supports the PA generalist role in the patient-centered medical care and develops skills require in internal medicine and hospital practice.

PAEP 7220 Clinical Surgery for Physician Assistants: 4 weeks**3 Credits**

The 4-week Surgery service rotation provides the PA-Student with clinical experience in a surgical learning environment. The PA-Student competencies related to the PA generalist role supporting Surgery services and the skills required by a surgical practice.

PAEP 7230 Orthopedic & Sports Medicine for Physician Assistants: 4 weeks**3 Credits**

Orthopedic and Sports Medicine rotations provide the Physician Assistant-Student with practical clinical experiences building upon the material covered during the academic year. PA-S learn to the evaluation and management of Orthopedics concerns.

PAEP 7240 Clinical Pediatrics for Physician Assistants: 4 weeks**3 Credits**

The four-week clinical rotation on Pediatrics provides the PA-Student with clinical experience on hospital wards and outpatients environments. PA students learn differential diagnosis, evaluation, and management of normal and abnormal conditions in Pediatrics.

PAEP 7250 Clinical Psychiatry for Physician Assistants: 4 weeks**3 Credits**

The 4-week Psychiatry Medicine rotation presents common psychiatric disorders and various treatment regimens available to the psychiatric patient. This rotation occurs at the Health Sciences Centre in Winnipeg.

PAEP 7270 Clinical Emergency Medicine for Physician Assistants: 4 weeks**3 Credits**

The PA must have the knowledge and skills to manage basic emergent issues. The knowledge, skills, and attitudes acquired during the Emergency Medicine Clinical Rotation build upon the material covered during Academic first year of the program. PAEP 7270 is a four-week rotation at a Winnipeg Community Hospital.

PAEP 7280 Clinical Obstetrics & Gynecology for Physician Assistants: 4 weeks 3 Credits

The 4-week OB/GYN rotation provides the Physician Assistant student with practical clinical experience in Obstetrics and Gynecology. Students are required to participate in an advanced skills lab administered by the OB/GYN Educational Unit.

PAEP 7204 and PAEP 7206 Clinical Electives for Physician Assistants: 2 weeks each 1.5 Credits

Two separate 2-week rotations support the PA's interests. The objectives, developed by the learner in collaboration with PA faculty members, are unique to the clinical experience.

Required Components

Note: Core rotations are within the province of Manitoba at any institution that has a current Affiliation Agreement with the University of Manitoba. Some core rotations occur outside of Winnipeg e.g. Family Medicine rotations. Learners spend 8-weeks of Family Medicine in a rural area 100 kilometres or more from Winnipeg. **Personal transportation in and around Winnipeg is the student's responsibility.**

For rural areas core rotations MPAS covers housing costs for the student at a location arranged by the Program. Some housing arrangements may be shared rooms in a house. If accommodations are unsuitable for any reason, students can make separate arrangements, but they cover any expense beyond the cost of the MPAS sponsored accommodation. The MPAS funds travel to and from core rotations more than 100 kilometres outside Winnipeg. The program reimburses Automobile travel at the standard University rate per kilometre. The Program arranges air travel.

PAEP 7300	Clinical Year Comprehensive Assessment of Clinical Skills (CACS)	nil credit
PAEP 7350	Clinical Year Two Capstone Project	nil credit