Master of Science (M.Sc.) Physician Assistant Program, [http://chp.cmich.edu/pa](http://chp.cmich.edu/pa)

Degree Requirements for PA Students

First Year - Summer (15 hours)
- HSC 630 - Regional Human Anatomy 5(3-4)
- PHA 624 - Issues in Practice 2(2-0)
- PHA 633 - Scientific Basis of Medicine I 2(2-0)
- PHA 660 - History and Physical Examination I 3(2-2)
- PHA 671 - Preventive Medicine 1(1-0)
- PHA 672 - Applied Ethics for Physician Assistants 2(2-0)

First Year - Fall (22 hours)
- PHA 608 - Clinical Medicine I 4(4-0)
- PHA 620 - Infectious Diseases 3(3-0)
- PHA 625 - Clinical Pharmacology I 3(3-0)
- PHA 634 - Scientific Basis of Medicine II 2(2-0)
- PHA 640 - Clinical Problem Solving I 3(0-11)
- PHA 645 - Critical Appraisal of Medical Literature and Evidence-Based Medicine 2(2-0)
- PHA 650 - Diagnostic Tests I 2(1-2)
- PHA 661 - History and Physical Examination II 3(2-2)

First Year - Spring (25 hours)
- PHA 609 - Clinical Medicine II 4(4-0)
- PHA 612 - Obstetrics/Gynecology 3(3-0)
- PHA 626 - Clinical Pharmacology II 3(3-0)
- PHA 630 - Clinical Procedures I 3(2-2)
- PHA 641 - Clinical Problem Solving II 3(0-11)
- PHA 651 - Diagnostic Tests II 2(2-0)
- PHA 662 - History and Physical Examination III 4(2-4)
- PHA 673 - Psychiatry 3(3-0)

Second Year - Summer (20 hours)
- PHA 610 - Clinical Medicine III 3(3-0)
- PHA 614 - Pediatrics 3(3-0)
- PHA 616 - Surgery 2(2-0)
- PHA 618 - Emergency Medicine 2(2-0)
- PHA 631 - Clinical Procedures II 3(0-6)
- PHA 635 - Scientific Basis of Medicine III 2(2-0)
- PHA 642 - Clinical Problem Solving III 3(0-11)
- PHA 652 - Diagnostic Tests III 2(1-2)
Second Year Clinical Clerkship Year
(PHA 690/691/692 - Clinical Education, three 16 hour semesters)

- Consisting of the main core rotations:
  - Primary Care covering Family Medicine, Pediatrics, and Women’s Health, as well as Behavioral and Mental Health
  - Critical Care covering Emergency Medicine, General Surgery, and Internal Medicine
- Plus an elective rotation of personal interest to the student near the end of the program course

27 months of studies totaling 130 semester hours

Details of coursework:

HSC 630  Regional Human Anatomy 5(3-4)
A regional approach to the structure of the human body, concentrating on the interrelationships of different anatomical structures and their clinical applications. Prerequisites: HSC 214; admission to physical therapy program, physician assistant program or graduate program in exercise science.

PHA 608  Clinical Medicine I 4(4-0)
Comprehensive survey course that studies prioritized medical topics within organ systems. The systems covered are otolaryngologic, ophthalmologic, cardiovascular and respiratory systems. Prerequisites: admittance to the Physician Assistant program.

PHA 609  Clinical Medicine II 4(4-0)
A comprehensive survey course that studies prioritized medical topics within organ systems. The systems covered are the gastrointestinal, hepatobiliary, genitourinary, endocrine, hematological systems and oncology. Prerequisites: admittance to the Physician Assistant program and PHA 608.

PHA 610  Clinical Medicine III 3(3-0)
Comprehensive survey course that studies prioritized medical topics within organ systems. The topics covered are the immunologic, musculoskeletal and neurologic systems and geriatrics. Prerequisites: admittance to the Physician Assistant program and PHA 609.

PHA 612  Obstetrics/Gynecology 3(3-0)
Prioritized instruction in normal function and selected medical conditions in women’s health including pregnancy, childbirth, neoplasm and endocrine changes. Prerequisites: admittance to the Physician Assistant program.

PHA 614  Pediatrics 3(3-0)
A survey course of growth, development and diseases from birth to adolescence. It prepares students for the primary care clinical setting. Prerequisites: admittance to the PA program.

PHA 616  Surgery 2(2-0)
Survey course that focuses on pre-, peri- and post- operative care and medical considerations of the surgical patient and prepares the student for the clinical setting. Prerequisites: admittance to the Physician Assistant program.
PHA 618  Emergency Medicine 2(2-0)  
Survey course that familiarizes the student with common emergency medicine problems and injuries utilizing a priority system. Prerequisites: Admittance to the Physician Assistant Program.

PHA 619  Continuing Registration for Final Research Project 1(1-0)  
A non-credit course intended for students who have completed all program credits but still need to use university resources to complete their degree requirements.

PHA 620  Infectious Diseases 3(3-0)  
A comprehensive survey course on the diagnosis and treatment of infectious diseases seen in primary care medicine and organized by organ system. Prerequisites: admittance to the Physician Assistant Program.

PHA 624  Issues in Practice 2(2-0)  
Topics concerning physician assistant professional practice. CR/NC only. Prerequisites: Admission to the Physician Assistant Program.

PHA 625  Clinical Pharmacology I 3(3-0)  
Survey clinical course that emphasizes principles of pharmacology, pharmacokinetics and pharmacotherapy as they relate to drugs in the treatment of common primary care conditions. Prerequisites: admittance to Physician Assistant program.

PHA 626  Clinical Pharmacology II 3(3-0)  
This clinical survey course continues instruction in pharmacology of select drugs, prescription essentials general pharmacology resources for the primary care practitioner. Prerequisites: admittance to Physician Assistant program, PHA 625.

PHA 630  Clinical Procedures I 3(2-2)  
Integrated didactic and laboratory course which develops medical procedural diagnostic and therapeutic skills. This prepares the student for the clinical setting. CR/NC only. Prerequisite: admission to the Physician Assistant program.

PHA 631  Clinical Procedures II 3(0-6)  
A two module course consisting of Advanced Cardiac Life Support and Pediatric Advanced Life Support, coupled with a Fundamental Critical Care Support (FCCS) curriculum review by the Society of Critical Care Medicine - http://www.sccm.org/Fundamentals/FCCS/Pages/default.aspx. CR/NC only. Prerequisite: Admission to the Physician Assistant Program.

PHA 633  Scientific Basis of Medicine I 2(2-0)  
An in depth review of the normal and abnormal physiologic processes associated with diseases of the cardiac and pulmonary organ systems. Prerequisites: Admission to the PA Program.

PHA 634  Scientific Basis of Medicine II 2(2-0)  
An in-depth review of the normal and abnormal physiologic processes associated with diseases of the renal, neurological, and endocrine system. Prerequisites: Admission to the PA Program.

PHA 635  Scientific Basis of Medicine III 2(2-0)  
An in depth review of the normal and abnormal physiologic processes associated with diseases of the gastrointestinal system, immune system, heritable conditions, and spontaneous genetic abnormalities. Prerequisites: Admission to the Physician Assistant Program.
PHA 640  Clinical Problem Solving I 3(0-11)
Onsite interactive group problem solving sessions and offsite patient/student/preceptor clinical interactions. Both modes develop clinical diagnostic reasoning by focusing on a hypothetic-deductive approach. Prerequisites: admission to the Physician Assistant program; successful completion of the didactic portion of the curriculum.

PHA 641  Clinical Problem Solving II 3(0-11)
Onsite interactive problem solving sessions and offsite patient/student/preceptor clinical interactions. Both modes develop clinical diagnostic reasoning by focusing on a hypothetic-deductive approach. Prerequisites: admission to the Physician Assistant program; successful completion of PHA 640.

PHA 642  Clinical Problem Solving III 3(0-11)
Onsite interactive problem solving sessions and offsite patient/student/preceptor clinical interactions. Both modes develop clinical diagnostic reasoning by focusing on a hypothetic-deductive approach. Prerequisites: admission to the Physician Assistant program; successful completion of PHA 641.

PHA 645  Critical Appraisal of Medical Literature and Evidence-Based Medicine 2(2-0)
Students will develop the ability to critically analyze current and past medical research and publications, and apply those concepts to the practice of Evidence-Based Medicine. Prerequisites: Admission into the Physician Assistant Program.

PHA 650  Diagnostic Tests I 2(1-2)
An introduction to the indications for and interpretation of the chest radiograph and electrocardiogram. Prerequisites: Admission into the Physician Assistant Program.

PHA 651  Diagnostic Tests II 2(2-0)
Indications for and interpretation of laboratory, pulmonary function, and neurophysiologic testing. Prerequisites: PHA 650.

PHA 652  Diagnostic Tests III 2(1-2) Indications for and interpretation of imaging of the central nervous system, vascular system, abdomen and extremities. Principles of nuclear medicine, magnetic resonance, and computed tomography. Prerequisites: PHA 651.

PHA 660  History and Physical Examination I 3(2-2)
Integrated didactic/laboratory course. This course teaches assessment via the medical history with focus on interviewing skill and technique. It prepares students for the clinical setting. Prerequisites: admission to the Physician Assistant program.

PHA 661  History and Physical Examination II 3(2-2)
Integrated didactic/laboratory series that teaches patient assessment through the complete medical history and physical examination. It prepares students for the clinical setting. Prerequisites: admission to the Physician Assistant program; successful completion of PHA 660.

PHA 662  History and Physical Examination III 4(2-4)
Integrated didactic/laboratory series that teaches patient assessment through the complete medical history and physical examination. It prepares students for the clinical setting. Prerequisites: admission to the Physician Assistant program; successful completion of PHA 661.
PH A 671 Preventive Medicine 1(1-0)
This course introduces the principles of preventive medicine and methods for their incorporation into
primary care on an individual, family and community basis. Prerequisites: Admission to the
Physician Assistant program.

PH A 672 Applied Ethics for Physician Assistants 2(2-0)
This course enables the student to examine the principles of medical ethics, develop an organized
process to resolve clinical dilemmas, and to explore future professional roles. Prerequisites:
admission to the Physician Assistant program.

PH A 673 Psychiatry 3(3-0)
The course includes the identification and management of psychiatric disorders, with an emphasis
on the pharmacological management of mood disorders. Prerequisites: admission to the Physician
Assistant program.

PH A 690 Clinical Education I 16(0-40)
This course consists of a full-time clinical internship. CR/NC only. Prerequisites: admission to the
Physician Assistant program; successful completion of didactic course work for PA program.

PH A 691 Clinical Education II 16(0-40)
This course consists of a full-time clinical internship. CR/NC only. Prerequisites: admission to the
Physician Assistant program; PH A 690.

PH A 692 Clinical Education III 16(0-40)
This course consists of a full-time clinical internship. CR/NC only. Prerequisites: admission to the
Physician Assistant program; PH A 691.

PH A 694 Clinical Clerkship Remediation 3-9(Spec)
A structured course of remedial education for students who do not show adequate progress during
their clinical clerkship year. CR/NC only. Maybe taken no more than three times. Prerequisites:
PH A 692.

PH A 697 Special Topics for Physician Assistants 1-9(Spec)
Presentation and examination of special topics in medicine, health, and biosciences. May be taken
up to a maximum of 9 hours. Prerequisites: Entry into the Physician Assistant Program.

At its March 2014 meeting, the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) voted to place the Central Michigan University on Accreditation - Probation until its focused visit review in March 2016. Probation is a temporary status of accreditation limited to two years and conferred when a program does not meet the Standards and when the capability of a program to provide an acceptable educational experience for its students is threatened. Once placed on probation, a program that still fails to comply with accreditation requirements in a timely manner, as specified by the ARC-PA, may be scheduled for a focused site visit and/or risk having their accreditation withdrawn. Specific questions regarding the program and its plans should be directed to the PA Program Director (gardo1jj@cmich.edu) and/or the appropriate institutional official(s).