

# PHYSICIAN ASSISTANT (PA)

## PA 5010 Special Topics

**Description:** This course is used to ensure students enrolled in the PA program have comprehensive retention from successfully completed coursework. Offered for variable credit, 1-5 credit hours, maximum of 5 credit hours.

**Credit hours:** 1-9

**Contact hours:** Lecture: 1-9 Contact: 1-9

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5011 Introduction to Pharmacology

**Prerequisites:** Acceptance into the PA program.

**Description:** General principles of pharmacokinetics and pharmacodynamics of drugs used to treat human disease. May not be used for degree credit with BIOM 6771.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5015 Human Anatomy

**Prerequisites:** Acceptance into the PA program.

**Description:** This course presents gross structure of the human body using a regional approach. Topics include topographic and functional anatomy, and clinical correlations as appropriate for graduate students in their intended specified program. The course provides the descriptive basis for understanding human structure and function encountered in succeeding courses and professional practice. May not be used for degree credit with BIOM 5122.

**Credit hours:** 5

**Contact hours:** Lecture: 3 Lab: 4 Contact: 7

**Levels:** Graduate

**Schedule types:** Lab, Lecture, Combined lecture and lab

**Department/School:** Allied Health

**Additional Fees:** PA Course Anatomy fee of \$125 applies.

## PA 5021 Fundamentals of Medical Imaging

**Prerequisites:** Acceptance into the Physician Assistant program.

**Description:** To introduce the student to the fundamental principles, equipment and common methods and procedures of radiography. May not be used for degree credit with MAT 5412.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5031 Introduction to Microbiology and Immunology

**Prerequisites:** Acceptance into the PA program.

**Description:** Infectious agents, including viruses, bacteria, fungi and parasites, their structure, genetics and mechanisms of pathogenesis in human disease. May not be used for degree credit with BIOM 6791.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5041 Laboratory Medicine

**Prerequisites:** Acceptance into the PA program.

**Description:** Laboratory Medicine for the PA is designed to provide students with a background in various laboratory tests used to help in differentiating disease processes and confirming diagnoses. It is intended to be introductory and generalized concepts in the use and interpretation of laboratory tests with the understanding that more in-depth discussion will be continued in the individual systems courses.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5112 Developing the Physician Assistant I

**Prerequisites:** Acceptance into the PA program.

**Description:** Developing the Physician Assistant is an ongoing course that extends throughout the physician assistant program curriculum. The course is designed to develop in PA students the skills and motivation necessary to become successful, compassionate, and competent physician assistant and life-long learners. Developing the Physician Assistant is intended to serve as a bridge between the classroom activities of the didactic year and the clinical rotations.

**Credit hours:** 2

**Contact hours:** Lecture: 2 Contact: 2

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5113 Respiratory System

**Prerequisites:** Acceptance into the PA program.

**Description:** Provides integrated biomedical study of the human respiratory system. May not be used for degree credit with BIOM 6870.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

## PA 5114 Applied Clinical Medicine I

**Credit hours:** 4

**Contact hours:** Lecture: 3 Lab: 2 Contact: 5

**Levels:** Graduate

**Schedule types:** Lab, Lecture, Combined lecture and lab

**Department/School:** Allied Health

## PA 5121 Rural and Underserved Populations

**Prerequisites:** Admission into the Physician Assistant Program.

**Description:** This course will educate students on the unique factors of providing healthcare in rural and underserved communities.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5124 Cardiovascular System**

**Prerequisites:** Acceptance into the PA program.

**Description:** Provides integrated biomedical study of the human cardiovascular system. May not be used for degree credit with BIOM 6810.

**Credit hours:** 4

**Contact hours:** Lecture: 4 Contact: 4

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5125 Nervous System**

**Credit hours:** 5

**Contact hours:** Lecture: 5 Contact: 5

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5132 Hematology System**

**Credit hours:** 2

**Contact hours:** Lecture: 2 Contact: 2

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5134 Applied Clinical Medicine II**

**Credit hours:** 4

**Contact hours:** Lecture: 3 Lab: 2 Contact: 5

**Levels:** Graduate

**Schedule types:** Lab, Lecture, Combined lecture and lab

**Department/School:** Allied Health

**PA 5144 Genitourinary System**

**Credit hours:** 4

**Contact hours:** Lecture: 4 Contact: 4

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5163 Developing the Physician Assistant II**

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5223 Gastrointestinal System**

**Prerequisites:** Acceptance into the PA program.

**Description:** Provides integrated biomedical study of the human gastrointestinal and hepatic systems. May not be used for degree credit with BIOM 6820.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5233 Psychiatry System**

**Prerequisites:** Admission into the PA program.

**Description:** Provides clinical presentation, differential diagnosis, etiology (including pathophysiological etiologies), basic pharmacology of medications used to treat the disorder, clinical pharmacology, and psychosocial treatments. May not be used for degree credit with BIOM 6880.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5234 Applied Clinical Medicine III**

**Prerequisites:** Acceptance into the Physician Assistant Program, PA 5213 Applied Clinical Medicine II, PA 5123 Applied Clinical Medicine I.

**Description:** Applied Clinical Medicine III is designed to teach students the practical and professional skills necessary to become competent and compassionate PAs. ACM is taught longitudinally throughout curriculum. It provides educational experiences that will further develop patient interviewing, and physical examination skills learned in previous courses. Longitudinal content includes bioethics, health promotion and disease prevention, diagnostics and therapeutics, professionalism, and clinical documentation.

**Credit hours:** 4

**Contact hours:** Lecture: 3 Lab: 2 Contact: 5

**Levels:** Graduate

**Schedule types:** Lab, Lecture, Combined lecture and lab

**Department/School:** Allied Health

**PA 5242 Developing the Physician Assistant III**

**Prerequisites:** Acceptance into the Physician Assistant Program, PA 5112 Developing the Physician Assistant I, PA 5222 Developing the Physician Assistant II.

**Description:** Developing the Physician Assistant is an ongoing course that extends throughout the physician assistant program curriculum. The course is designed to develop in PA students the skills and motivation necessary to become successful, compassionate, and competent physician assistant and life-long learners. Developing the Physician Assistant is intended to serve as a bridge between the classroom activities of the didactic year and the clinical rotations.

**Credit hours:** 2

**Contact hours:** Lecture: 2 Contact: 2

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5243 Endocrine System**

**Prerequisites:** Acceptance into the PA Program.

**Description:** The Endocrine System Course is designed to integrate biomedical and clinical knowledge to provide the student with the background to address basic and clinical aspects of the endocrine system. The course will include the physiology, anatomy, and pathology of the endocrine system, as well as common medical conditions that present to the primary care and/or emergency settings, and the behavioral, pharmacological, or surgical treatments that correct or manage such conditions. Same course as BIOM 6900.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5253 Reproductive System**

**Prerequisites:** Acceptance into the Physician Assistant Program.

**Description:** Provides integrated biomedical study of the male and female human reproductive systems and reproductive biology. May not be used for degree credit with BIOM 6860.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5263 Musculoskeletal/Integumentary System**

**Prerequisites:** Acceptance into the PA Program.

**Description:** Provides integrated biomedical study of the human musculoskeletal system and associated disorders. May not be used for degree credit with BIOM 6840.

**Credit hours:** 3

**Contact hours:** Lecture: 3 Contact: 3

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5301 Research Methods for Evidence-Based Medicine**

**Prerequisites:** Acceptance into the PA Program.

**Description:** This course is designed to provide the basic understanding for why, how, and what research is conducted for evidence-based medicine. It assists in decision-making in medical practice and improves problem-solving skills.

**Credit hours:** 1

**Contact hours:** Lecture: 1 Contact: 1

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5302 Developing the Physician Assistant IV**

**Prerequisites:** Acceptance into the Physician Assistant Program;

PA 5112 Completion of Developing the Physician Assistant I, PA 5222 Completion of Developing the Physician Assistant II, PA 5242 Completion of Developing the Physician Assistant III.

**Description:** Developing the Physician Assistant is an ongoing course that extends throughout the physician assistant program curriculum. The course is designed to develop in PA students the skills and motivation necessary to become successful, compassionate, and competent physician assistant and life-long learners. Developing the Physician Assistant is intended to serve as a bridge between the classroom activities of the didactic year and the clinical rotations.

**Credit hours:** 2

**Contact hours:** Lecture: 2 Contact: 2

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5404 Family Medicine I**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Students are required to have clinical training in family medicine. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They participate in direct patient care and learn what it takes to be a primary care provider.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5414 Family Medicine II**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Students are required to have clinical training in family medicine. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They participate in direct patient care and learn what it takes to be a primary care provider.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5424 Internal Medicine I**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Students are required to have clinical training in internal medicine. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They participate in direct patient care in the outpatient and inpatient settings. They gain experience in what it takes to be a primary care provider.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5434 Internal Medicine II**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Students are required to have clinical training in internal medicine. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They participate in direct patient care in the outpatient and inpatient settings. They gain experience in what it takes to be a primary care provider.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5444 Emergency Medicine I**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Emergency Medicine Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students are involved in direct patient care in the emergency room.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5454 Emergency Medicine II**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** Emergency Medicine Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students are involved in direct patient care in the emergency room.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5464 Obstetrics & Gynecology**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** An OB/GYN Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develops procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clerkship duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5474 Pediatrics**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** A Pediatric Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clerkship duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5484 Psychiatry**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** A Psychiatric Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clerkship duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5494 General Surgery**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** A General Surgery Rotation is required as part of the clinical training. During this rotation, students extend their knowledge of clinical medicine and develop procedural skills. They advance their base of knowledge in pursuit of answers to questions that arise during patient care through assigned readings and interactions with the medical staff. Skill development occurs as students are directly involved in surgery cases.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5504 Medicine Elective I**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** This rotation is an elective in a medicine subspecialty of the student's choice. This clinical rotation provides hands-on experience in the clinic, hospital, and surgical suite. It will allow a student to advance their base of knowledge in surgical subspecialties through direct patient care. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clinical duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5514 Medicine Elective II**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** This rotation is an elective in a medicine subspecialty of the student's choice. This clinical rotation provides hands-on experience in the clinic, hospital, and surgical suite. It will allow a student to advance their base of knowledge in surgical subspecialties through direct patient care. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clinical duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5524 Medicine Elective III**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** This rotation is an elective in a medicine subspecialty of the student's choice. This clinical rotation provides hands-on experience in the clinic, hospital, and surgical suite. It will allow a student to advance their base of knowledge in surgical subspecialties through direct patient care. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clinical duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5534 Surgery Elective**

**Prerequisites:** Admission into the Physician Assistant Program; completion of the Didactic portion of the PA curriculum.

**Description:** This rotation is an elective in a surgical subspecialty of the student's choice. This clinical rotation provides hands-on experience in the clinic, hospital, and surgical suite. It will allow a student to advance their base of knowledge in surgical subspecialties through direct patient care. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clinical duties.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health

**PA 5544 Medicine Selective**

**Prerequisites:** Acceptance into the PA Program.

**Description:** This rotation is selected for the student to enhance specific learning opportunities. This clinical rotation provides hands-on experience in the clinic, hospital, and surgical suite. It will allow a student to advance their base of knowledge in surgical subspecialties through direct patient care. Skill development occurs as students apply knowledge from pre-clinical coursework to those clinical problems encountered while performing clinical duties.

**Credit hours:** 4

**Contact hours:** Lecture: 4 Contact: 4

**Levels:** Graduate

**Schedule types:** Lecture

**Department/School:** Allied Health

**PA 5554 Professional Enrichment**

**Prerequisites:** Acceptance into the PA Program.

**Description:** This course is designed to enhance the professionalism of individual students according to their interest. This course offers the students the ability to serve as a research assistant in an ongoing project at CHS or serves as a preceptorship to provide a structured, supportive bridge when transitioning from a student to a practicing PA.

**Credit hours:** 4

**Contact hours:** Contact: 4 Other: 4

**Levels:** Graduate

**Schedule types:** Independent Study

**Department/School:** Allied Health