

PHYSICIAN ASSISTANT (PY)

- PY 501. Human Physiology.** 4 Credits.
This course takes a system approach to the physiologic and biochemical functions of the human body, including relevant anatomical correlations. Laboratory sessions emphasize clinical application to systemic function.
Offered: Every year, Summer
- PY 501L. Physiology Lab.** 0 Credits.
Lab to accompany PY 501. (3 lab hrs.)
Offered: Every year, Summer
- PY 503. Principles of Interviewing.** 3 Credits.
This course explores the various methods of approaching and interviewing patients focusing on the establishment of a relationship, effects of cultural backgrounds, gender and age on giving and receiving of information in order to obtain an accurate medical history.
Offered: Every year, Summer
- PY 504. History, Roles and Responsibilities of the PA.** 1 Credit.
This course explores through lecture and discussion the factors affecting the development of the profession and role socialization with emphasis on standards of quality assurance, credentialing of continued competence, policies and regulations governing clinical responsibilities and dynamics of membership on a health care team.
Offered: Every year, Spring
- PY 505. Clinical Pharmacology I.** 2 Credits.
This distance education course covers the classification, mechanism of action, toxicity and clinical use of therapeutics agents. Side effects, indications, dose response and management of therapeutics are emphasized.
Offered: Every year, Fall
- PY 506. Principles of Internal Medicine.** 6 Credits.
This course takes an organ system approach to disease emphasizing the pathogenesis, clinical presentation, differential diagnosis, diagnostic and therapeutic approach to disease processes. Laboratory sessions focus on clinical problem solving through the use of real cases.
Corequisites: Take PY 520L.
Offered: Every year, Fall
- PY 506L. Clinical Correlation Lab.** 0 Credits.
Lab to accompany PY 506. (1 lab hr.)
Offered: Every year, Fall
- PY 507. Principles of Electrocardiography.** 1 Credit.
This course offers a directed approach to understanding the principles of electrocardiography and its applications to clinical practice. Throughout this course, general principles of the etiologies of abnormal EKG patterns, the differential diagnosis and clinical management are discussed to correlate the EKG with clinical situations.
Offered: Every year, Summer
- PY 507L. EKG Lab.** 0 Credits.
Lab to accompany PY 507. (1 lab hr.)
Offered: Every year, Summer
- PY 508. Diagnostic Methods I.** 2 Credits.
Clinical laboratory medicine is examined with emphasis on indications for tests, normal values, interpretation of results and correlation with clinical conditions. Laboratory sessions provide students with practical experience performing basic laboratory tests.
Offered: Every year, Summer
- PY 508L. Diagnostic Methods Lab.** 0 Credits.
Lab to accompany PY 508. (2 lab hrs.)
Offered: Every year, Summer
- PY 509. Principles of Obstetrics and Gynecology.** 3 Credits.
Anatomy and physiology of the human reproductive system are examined, including the changes in pregnancy, prenatal care, medical and surgical complications of pregnancy, pre- and postpartum care. Common gynecologic conditions, methods and effectiveness of contraception, cancer detection methods and the diagnosis and treatment of sexually transmitted infections in the female are explored.
Offered: Every year, Spring
- PY 510. Principles of Pediatrics.** 3 Credits.
This course examines the physical and psychological fundamentals of normal growth and development. Focus is on the major pediatric illnesses and conditions, their signs, symptoms and treatment. Immunization schedules, the various medications used in the pediatric population, their doses and indication are examined; the management of pediatric emergencies such as acute cardiac and respiratory arrest, anaphylaxis, seizures and trauma also are explored.
Offered: Every year, Spring
- PY 511. Principles of Surgery and Emergency Medicine.** 4 Credits.
The fundamentals of surgical disease are explored with discussions on the etiology, pathophysiology, clinical manifestations and appropriate management of major and minor surgical conditions and care of the acutely injured and critically ill patient. Topics are discussed with emphasis on clinical presentation and pre- and post-operative management. The course introduces the principles of life support technique and the initial management of acute medical and traumatic conditions. Laboratory sessions are used to familiarize the student with aseptic technique and basic surgical procedures such as airway control, various catheter placements, surgical bleeding control and wound management.
Offered: Every year, Spring
- PY 511L. Clinical Skill Lab.** 0 Credits.
Lab to accompany PY 511. (2 lab hrs.)
Offered: Every year, Spring
- PY 512. Psychosocial Issues in Health Care.** 2 Credits.
This course explores how cultural belief systems and values in a multicultural society relate to the provision of appropriate health care/ counseling. Students become familiarized with the biological and psychological attributes contributing to sexual expression as well as societal values that shape perception and expression. Factors associated with communicating with and caring for individuals from different cultures, opposite genders or differing sexual preference are explored. Lab sessions help students gain experience and develop confidence in approaching patients through preclinical clerkships. Students improve their clinical skills in the areas of eliciting a history, performing a physical exam, presenting an oral report and medical documentation via the patient chart note.
Offered: Every year, Spring
- PY 512L. Psychosocial Issues Lab.** 0 Credits.
Lab to accompany PY 512. (2 lab hrs.)
Offered: Every year, Spring

- PY 513. Behavioral Medicine.** **3 Credits.**
This one-semester course gives students an overview of some of the most important areas in behavioral psychiatry. The course includes an overview of basic psychiatric concepts and focuses on assessing patients who manifest psychological symptoms. Topics include diagnosis and treatment of anxiety disorders, mood disorders, common child and adolescent disorders, somatoform and factitious disorders, psychotic disorders, sleep disorders, adjustment and personality disorders, drug and alcohol abuse, and addresses forensic issues in behavioral health.
Offered: Every year, Spring
- PY 514. Diagnostic Methods II.** **1 Credit.**
This course covers the basic principles of radiologic and imaging techniques, indication for various tests and recognition of abnormal findings.
Offered: Every year, Fall
- PY 515. Clinical Pathology.** **3 Credits.**
Basic human pathology is examined from a systemic and cellular level, pathogenesis and various disease states. Topics include histology, inflammation and repair, endocrine, cardiovascular, pulmonary, musculoskeletal, GI and GU pathology.
Offered: Every year, Summer
- PY 516. Clinical Pharmacology II.** **2 Credits.**
This continuation of Clinical Pharmacology I emphasizes commonly prescribed therapeutic agents.
Offered: Every year, Spring
- PY 517. Human Anatomy.** **4 Credits.**
This lecture/laboratory experience is meant to provide an environment for learning gross morphology of the human body including structural relationships, anatomical variations and radiological correlations. Approach to the material is both regional and systemic. Content includes the basic concepts of embryology, the comparison of normal and abnormal structural relationships and demonstration of how these things relate to health and disease. To meet the instructional goals and objectives, students attend lectures, review online reusable learning modules and participate in cadaveric dissections.
Offered: Every year, Summer
- PY 517L. Human Anatomy Lab.** **0 Credits.**
Lab to accompany PY 517. (6 lab hrs.)
Offered: Every year, Summer
- PY 518. Physical Diagnosis.** **3 Credits.**
This lecture course presents the techniques for performing a complete and competent physical examination with an understanding of the pathophysiology presented by the patient. Along with the comprehensive complete physical examination, students learn the problem-oriented physical examination as well as special examination tools and techniques. Synthesis of historical and physical presentations for an accurate evaluation of the patient are emphasized.
Prerequisites: Take PY 503.
Corequisites: Take PY 518L.
Offered: Every year, Fall
- PY 518L. Physical Diagnosis Lab.** **1 Credit.**
This laboratory/pre-clinical clerkship course presents and explores the techniques for performing a complete and competent physical examination and organizing and reporting the findings in both written and oral format. The pre-clinical clerkships allow the student to gain experience and develop confidence in approaching patients prior to entering the clinical year. Instructional techniques include small group discussion, practical experience with other students and patients, and the observation and critique of physical examination, write-ups and oral presentations.
Prerequisites: Take PY 503.
Corequisites: Take PY 518.
Offered: Every year, Fall
- PY 519. Human Anatomy.** **3 Credits.**
This lecture experience is meant to provide an environment for learning gross morphology of the human body including structural relationships, anatomical variations and clinical application. Approach to the material is both regional and systemic. Content includes the basic concepts of embryology, the comparison of normal and abnormal structural relationships and demonstration of how these things relate to health and disease. To meet the instructional goals and objectives, students attend lectures and review online reusable learning modules while making connections to concepts encountered in PY 519L.
Offered: Every year, Summer
- PY 519L. Human Anatomy Lab.** **1 Credit.**
This lab experience is meant to provide an environment for learning gross morphology of the human body including structural relationships, anatomical variations and clinical application. Approach to the material is both regional and systemic. To meet the instructional goals and objectives, students complete full cadaveric dissections and a self-study osteology review.
Corequisites: Take PY 519.
Offered: Every year, Summer
- PY 520L. Clinical Decision Making.** **1 Credit.**
The purpose of this course is to reinforce materials taught in Principles of Internal Medicine and to provide clinical correlations by working through a case scenario, in either a simulation or seminar setting. Students develop critical thinking skills by working through a history, physical exam, laboratory tests and diagnostic studies, and developing a differential diagnosis for each case, which leads to a diagnosis so that the student can formulate a treatment plan.
Prerequisites: Take PY 501, PY 519, PY 519L.
Corequisites: Take PY 506.
Offered: Every year, Fall
- PY 526. Principles of Epidemiology.** **3 Credits.**
This graduate-level course in epidemiology directs itself toward application of epidemiological principles. The course involves analysis of prospective and retrospective studies, cross-sectional studies and experimental epidemiology. Both communicable and chronic disease case studies are used, as well as case studies of occupationally induced diseases.
Offered: Every year, Summer
- PY 536. Biostatistics.** **3 Credits.**
This course covers the application of statistical techniques to the biological and health sciences. Emphasis is on mathematical models, collection and reduction of data, probabilistic models estimation and hypothesis testing, regression and correlation, experimental designs and non-parametric methods.
Offered: Every year, Summer

- PY 546. Ethics in Health Care Delivery. 3 Credits.**
This course provides an opportunity for identifying, analyzing and resolving ethical dilemmas that are encountered in professional practice. Issues are examined using the basic principles of biomedical ethics that include respect for persons, truth telling, justice, beneficence and integrity.
Offered: Every year, Summer
- PY 548. Ethics in Health Care Delivery I. 2 Credits.**
This course provides an overview of the discipline of Medical Ethics presenting the study and application of relevant principles, insights and understandings of modern medical practice. The course includes a study of ethical theories, which lay the foundation for subsequent investigation into specific ethical problems found in medical science and technology. A framework of ethical decision making is introduced and practiced using realistic medical cases. The purpose of the course is to provide a framework that enables the student to reason clearly and effectively about the ethics involved in medical science and technology. This course better prepares students to identify ethical issues they may encounter during the clinical year and provides a method for ethical decision making when faced with these issues. The course assumes no prior knowledge of philosophical ethics or medical science.
Offered: Every year, Summer
- PY 572. Medical Microbiology and Infectious Diseases. 3 Credits.**
This detailed study of microorganisms and the diseases they cause in man includes consideration of infectious disease microorganisms including their biochemical, serological and virulence characteristics, and clinical manifestations. An organ system approach is used to examine the fundamentals of pathogenicity, host response, epidemiological aspects of infectious disease, as well as clinical manifestations, diagnosis and treatment of infections.
Offered: Every year, Fall
- PY 608. Graduate Seminar. 3 Credits.**
This seminar prepares students for the specific requirements of entering professional practice. Faculty active in the profession cover such issues as malpractice coverage, licensure regulation, risk management and legal issues, and aspects of the financing of health care. Lab sessions are designed as small group seminars. Through guided discussion in these small seminar settings, students explore the current literature and thinking on the competencies for the physician assistant profession.
Offered: Every year, Summer
- PY 608L. Graduate Seminar Lab. 0 Credits.**
Lab to accompany PY 608. (1.5 lab hrs.)
Offered: Every year, Summer
- PY 611. Clinical Residency I. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Summer
- PY 612. Clinical Residency II. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Summer
- PY 613. Clinical Residency III. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Summer
- PY 614. Clinical Residency IV. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Fall
- PY 615. Clinical Residency V. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Fall
- PY 616. Clinical Residency VI. 3 Credits.**
Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.
Offered: Every year, Fall

PY 617. Clinical Residency VII.**3 Credits.**

Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.

Offered: Every year, Spring**PY 618. Clinical Residency VIII.****3 Credits.**

Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.

Offered: Every year, Spring**PY 619. Clinical Residency IX.****3 Credits.**

Upon successful completion of the didactic phase, the PA student undertakes an intensive course of study requiring the application of skills and concepts acquired during the earlier course work. Each student rotates through seven six-week clinical disciplines and two four-week electives at varying sites throughout Connecticut, Massachusetts and Rhode Island. The core rotations are: family medicine/primary care, internal medicine, general surgery, emergency medicine, obstetrics/gynecology, pediatrics and psychiatry. Supplemental electives include a wide variety of medical, surgical and pediatric subspecialties.

Offered: Every year, Spring**PY 648. Ethics/Health Care Delivery II.****1 Credit.**

This 1-credit course occurs in the third summer after the student completes their clinical rotations. The course is a continuation of the PY 548 Ethics in Health Care I. The purpose of the course is to reinforce a framework of ethical decision-making which enables the student to reason clearly and effectively about the ethics involved in medical science and technology and reflect on ethical issues encountered during the clinical year. Student experiences encountered during their clinical year are used to exemplify the theoretical course material.

Offered: Every year, Summer**PY 650. Medical Writing Workshop/Journal Club.****1 Credit.**

The purpose of the medical writing course is to educate the PA student in the interpretation of medical literature and provide experiences in the various forms of medical writing and presentations. The course begins in summer semester of the second year with lectures, modules and on-campus activities, and then spans the clinical year using distance-education resources. Learning topics progress from a basic overview of writing mechanics and proper referencing to specific types of medical articles. Success in the medical writing course is determined by the quality of the researched written clinical papers and posters.

Offered: Every year, Summer**PY 676. Comprehensive Examination.****2 Credits.**

This comprehensive examination is a capstone of the physician assistant program. The purpose of the exam is twofold. First, to ascertain if the student has both the broad and specific knowledge expected of someone holding a master's degree. Second, to determine whether the student has been able to integrate knowledge obtained from individual courses into unified concepts that link the students' own specialization to other fields of study. The student is given an oral exam, a written examination and a clinical skills examination in the form of an Objective Score of Clinical Evaluation (OSCE).

Offered: Every year, Summer