

RADIOLOGIC TECHNOLOGY PROGRAM

Associate of Science

Professor Jason Wilcox, Program Director

The radiologic technology program develops competence in the knowledge and skills required for radiologic imaging. The integrated curriculum includes 16 hours of general studies credit and 47 hours of radiologic technology credits. Once pre-requisites are completed, students who are successful with all other program requirements may complete the degree in just 17 months. The curriculum incorporates both didactic and clinical education components. Students have the advantage of practicing most radiographic procedures on campus in a lab similar to those found in most hospital settings, as well as taking part in direct patient contact during the clinical components of the program.

Upon meeting program completion requirements, graduates are eligible to apply for the American Registry of Radiologic Technology (ARRT) examination. Successful completion of the ARRT exam grants certification required for licensure in West Virginia and most other states. Individuals with prior felony or certain misdemeanor convictions may not be eligible for certification by the ARRT and/or licensure by state agencies. Also individuals with prior felony or certain misdemeanor convictions may not be permitted to attend clinical due to various clinical site policies. In such cases students would not be permitted to continue in the program or complete the degree. Contact the appropriate licensing agency and the program director for more information.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312.704.5300, mail@jrcert.org or <http://www.jrcert.org>

Program Learning Outcomes

The graduate will:

1. Demonstrate effective verbal communication skills.
2. Demonstrate appropriate written communication skills.
3. Assess patient needs and adapt as required.
4. Identify anatomy and appropriate levels of quality on medical images.
5. Utilize equipment to produce quality images.
6. Utilize appropriate radiographic procedures.
7. Practice principles of radiation protection.
8. Conduct themselves in a professional and ethical manner.
9. Students will understand the importance of professional development activities.

Application and Admission

Admission to the program is selective. Acceptance to University of Charleston and meeting program admission requirements do not guarantee admission to the program. The program accepts one class a year for spring semester entry.

Applications received by August 15 will receive full consideration. Applications received after that date will be reviewed on a first-come, first-served basis if and until the spring cohort is full.

Criteria for admission are:

- High school graduate or equivalent
- General admission to the University
- Completion of all prerequisite coursework with a minimum grade of C in each course
- Minimum GPA of 2.5 in all college-level study
- Although it is not required for program admission, students are encouraged to complete an ACT or SAT. In cases of a full class, preference will be given to students with the highest ACT/SAT scores.

The final phase of admission requires passing a technical standards evaluation.

Students must be physically able to perform the following tasks to function competently in the field of radiologic technology:

- Manipulate the x-ray tube in all directions
- Insert and remove a cassette from the bucky tray
- Lift 25 pounds of weight from the floor and carry to the exam table
- Assist a simulated patient in moving from a wheelchair and stretcher to the exam table
- Read a doctor's order/clinical requisition with accuracy
- Observe a patient's respiration from a distance of 10 feet
- Hear a patient's verbal request within an exam room

Reasonable accommodations are made for applicants with the proper documentation of a disabling condition.

What You Will Study

Program Summary	
Course Number	Credits
University Requirements	16
Program Requirements	47
Program Total	63

Coursework is based on a structure of 1 contact hour per credit hour for lecture courses and 8 contact hours per credit hour for clinical courses.

Program Prerequisites

Applicants are required to complete 13 semester hours of prerequisite study as listed below before being fully admitted into the program:

Freshmen Fall Semester (Prerequisites)		
Course Number	Course Title	Credits
MATH 120	Intermediate Algebra	3
BIOL 212	Intro.to Human Anatomy & Physiology	3
BIOL 212L	Intro.to Human Anatomy & Physiology Lab	1
RADT 101/ RADT 101L	Imaging Procedures I and Lab	4
RADT 107 / RADT 107L	Introduction to Radiology and Patient Care Laboratory	2
Total		13

Program Requirements/Sequence

Freshmen Spring Semester		
SSCI 105	Issues in Social Science	3
COMM 101	Freshmen Writing I	3
RADT 108	Radiologic Clinical I	2
RADT 111 / RADT 111L	Image Procedures II and Lab	4
RADT 115	Radiographic Physics I	3
RADT 125	Radiographic Physics II	3
Total		18

Freshmen Summer I

RADT 118	Radiologic Clinical II	1
COMM 102	Freshman Writing II	3
Total		4

Freshmen Summer II

Course Number	Course Title	Credits
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RADT 128	Radiologic Clinical III	1
RADT 206	Quality Assurance	1
	Total	2
	Summer Total	6
SECOND Fall Semester		
RADT 201 / 201L	Image Procedures III and Lab	4
RADT 203	Image Acquisition	3
RADT 204	Radiobiology / Radiation Protection	2
RADT 208	Radiologic Clinical IV	3
RADT 210	Radiologic Pharmacology and Drug Administration	2
	Total	14
Sophomore Spring Semester		
RADT 211	Imaging Procedures Review	3
RADT 217	Radiographic Pathology	2
RADT 218	Radiologic Clinical V	3
RADT 229	Advanced Imaging	1
RADT 230	Capstone Seminar	3
	Total	12

Students must maintain a minimum GPA of 2.5 throughout the entire course of study. Program progress requires a grade of C in all required courses. Failure to meet these requirements will result in dismissal from the program.

HEALTH SCIENCE MINOR

The minor in health sciences is designed for undergraduate students from a variety of disciplines across the University. Choosing a health science minor will provide the student with interdisciplinary healthcare knowledge, which will provide flexibility in their future career. Students will have a board-based overview of the health care industry, including the history of health science, healthcare management, communication, interprofessional practice, informatics, ethics, and innovation.

Any student across the university can add the health science minor to their major to enhance their knowledge in the health care industry, ultimately increasing their career opportunities. Courses needed for the minor in health sciences are available through an online format. Pursuing students can complete the course asynchronously, allowing for flexibility for classes within a student's minor. Students must earn a "C" or higher to fulfill the requirements.

Program Learning Outcomes

- PLO 1:** The graduate will apply the concepts of healthcare and healthcare professions.
- PLO 2:** The graduate will develop knowledge of healthcare society and how to participate within the society as a professional.
- PLO 3:** The graduate will analyze various healthcare professions and how those professions are incorporated into the healthcare system.
- PLO 4:** The graduate will evaluate healthcare and the impact of healthcare professionals on the delivery of healthcare to consumers.

HSCI 110	History of Health Science	3
HSCI 206	Health Communication	3
HSCI 230	Interprofessional Practice and Collaboration	3
HSCI 302	Health Ethics and Policy	3
HSCI 310	Health Informatics	3
HSCI 401	Health Leadership and Management	3
Total Credits		18

DEPARTMENT OF PHYSICIAN ASSISTANT STUDIES
MASTER OF PHYSICIAN ASSISTANT STUDIES (MPAS)

Professor Teresa R. Preston, Department Chair / Program Director

The Physician Assistant (PA) Profession

Physician Assistants (PAs) are highly trained medical professionals who practice medicine, valuing the team practice of medicine. They practice in all medical and surgical specialties. PAs take histories and conduct physical exams, order and interpret tests, diagnose and treat illness, counsel on disease and preventive health, prescribe medications, and perform procedures.

Physician Assistants are licensable to practice medicine and have prescription privileges in all 50 states. PAs are provided with a great breadth and depth of medical training, thereby providing the foundation for them to excel in all areas of medicine.

Program Information

Our program is designed to train outstanding physician assistant clinicians, equipped to handle the challenges of practicing medicine in a multifaceted and complex health care system. Our program emphasizes a holistic approach, training students not only in the foundational domains of medical knowledge and patient care, but also to think critically, solve complex medical problems, utilize evidence to make excellent decisions at the point of care, and to communicate effectively with clinician colleagues, other healthcare professionals, and patients of different backgrounds. The following highlights some details of our program:

Cohort Size: 33 students annually, matriculating in January each year.

Pass/Fail System: The Physician Assistant profession is built on the concept of teamwork, mirroring the direction of medicine. The UC PA program reinforces this concept by utilizing a pass/fail grading structure, which facilitates a culture where students strive to elevate their classmates to provide the best care possible for patients, rather than work to outperform one another.

Active and Collaborative Learning: The UC PA program strongly values utilizing innovative educational methods. As a result, a variety of approaches are employed beyond standard lecture, including case-based, problem-based, and team-based instruction. Through our Patient-Centered Care series of courses, students are challenged to develop clinical reasoning skills, think critically, enhance interpersonal and communication skills, apply evidence-based resources, and problem-solve as clinicians and as members of an interdisciplinary health care team. This is accomplished through simulated clinical experiences with standardized patients, as well as simulation mannequins.

Synthesized Medicine Curriculum: Instead of courses addressing content separately in clinical medicine, diagnostic skills, and pharmacotherapeutics, the UC PA program has been designed to integrate these components together into specialty-based modules (e.g., Cardiovascular, Pulmonology, Pediatrics) to enhance learning and retention.

Clinical Rotations: Eight, 5-week rotations, including those central to developing primary care skills, including at least one rotation in a rural area and an elective rotation.

Program Mission Statement

The mission of the University of Charleston Physician Assistant Program is to prepare competent physician assistants who value and provide comprehensive, patient-centered, culturally sensitive primary care, and are committed to lifelong-learning, professional growth, community health, and caring for underserved populations.

Program Vision Statement

Our vision is to foster a culture of learning by employing innovative educational strategies and a team-based approach within a supportive environment and to provide an application-based curriculum centered on critical principles of health and disease.

Program Goals

The goals of the University of Charleston PA Program are to:

- Prepare students to competently provide medical care in the primary care setting
- Foster a commitment to medically underserved populations
- Promote active participation in the community
- Prepare students to assume leadership roles within the PA profession
- Cultivate an environment that encourages student involvement in supporting and sustaining the University of Charleston PA Program following graduation

Program Learning Outcomes

The PA Program learning outcomes are based on the following competencies:

1. **Medical Knowledge and Skills:** Demonstrate the medical, behavioral, and social science knowledge and skills necessary to promote health and effectively apply the principles of evidence-based medicine to recognize, assess, diagnose, and treat patients across the lifespan in the clinical practice of medicine.
2. **Interpersonal and Communication Skills:** Demonstrate and apply effective oral and written communication skills to accurately obtain, interpret, and utilize information to implement a patient-centered management plan in a culturally responsive manner.
3. **Professionalism:** Commit to continued professional growth and development, including the creation and maintenance of relationships that display respect, compassion, integrity, dependability, and accountability to patients and members of the healthcare team

4. Patient Care: Provide compassionate, competent, and equitable patient-centered care while performing physical exams, ordering and/or interpreting diagnostic tests, and making informed decisions about diagnostic and therapeutic interventions based on patient preferences, current evidence, and clinical judgment.
5. Practice-Based Learning and Improvement: Engage in critical analysis of their practice experience and the medical literature for the purposes of practice- and self-improvement.
6. Systems-Based Practice: Demonstrate an awareness of and responsiveness to the larger system of health care to provide patient care that balances quality and cost, while maintaining the primacy of the individual patient, as it relates to cost-containment, patient safety, medical error and quality, and risk management.

What You Will Study

Didactic – Spring Semester I		Credits
MPAS 501	Professional Development I	1
MPAS 691	Patient-Centered Care I	2
MPAS 550	Mechanisms of Disease	2
MPAS 560	Clinical Pharmacology	2
MPAS 570	Applied Human Anatomy	4
MPAS 580	Medical Physiology	3
MPAS 590	History and Physical Examination	2
MPAS 590L	History and Physical Examination Lab	1
	Total	17
Didactic – Summer Semester I		Credits
MPAS 502	Professional Development II	1
MPAS 692	Patient-Centered Care II	1
MPAS 692L	Patient-Centered Care II Lab	1
MPAS 600	Clinical Nutrition	1
MPAS 601	Behavioral Dynamics	3
MPAS 602	Clinical Medicine IA	4
MPAS 603	Clinical Medicine IB	4
	Total	15

Didactic – Fall Semester I		Credits
MPAS 503	Professional Development III	1
MPAS 693	Patient-Centered Care III	1
MPAS 693L	Patient-Centered Care III Lab	1
MPAS 604	Cardiovascular-EKG	4
MPAS 605	Geriatrics	1
MPAS 606	Clinical Medicine IIA	4
MPAS 607	Clinical Medicine IIB	4
MPAS 613	Principles of Rural Appalachian Medicine	1
	Total	17
Didactic – Spring Semester II		Credits
MPAS 504	Professional Development IV	1
MPAS 694	Patient-Centered Care IV	1
MPAS 694L	Patient-Centered Care IV Lab	1
MPAS 608	Women’s Health	3
MPAS 609	Pediatrics	3
MPAS 610	Emergency Medicine	3
MPAS 611	Surgery	1
MPAS 612	Clinical Medicine III	4
MPAS 614	Hospital Medicine	1
MPAS 699	Pre-Clinical Seminar	0
	Total	18
	Didactic Curriculum Total	67
Clinical – Summer Semester II		Credits
MPAS 505	Professional Development V	1
	Rotation 1	5
	Rotation 2	5
	Rotation 3	5
	Total	16

Clinical – Fall Semester II		Credits
MPAS 506	Professional Development VI	1
	Rotation 4	5
	Rotation 5	5
	Rotation 6	5
	Total	16
Clinical – Spring Semester III		Credits
	Professional Development VII	1
	Rotation 7	5
	Rotation 8	5
	Summative Seminar	0
	Total	11
	Clinical Curriculum Total	43
	Total Credit Hours for the Program	110

Medical Disciplines Covered by Clinical Medicine (CM) Courses
MPAS 602: CM IA – Hematology, Oncology, and Endocrinology
MPAS 603: CM IB – Infectious Disease, Ophthalmology, and Otorhinolaryngology
MPAS 606: CM IIA – Gastroenterology, Urology, Nephrology, and Men’s Health
MPAS 607: CM IIB – Pulmonology and Neurology
MPAS 612: CM III – Musculoskeletal, Rheumatology, and Dermatology

Clinical Year Rotations
MPAS 701 Family Medicine
MPAS 702 Internal Medicine
MPAS 703 Pediatrics
MPAS 704 Women's Health
MPAS 705 Emergency Medicine
MPAS 706 Surgery
MPAS 707 Psychiatry
MPAS 710 Elective

Accreditation

The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA) has granted **Accreditation-Continued** status to the **University of Charleston Physician Assistant Program** sponsored by the **University of Charleston**. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA Standards.

Accreditation remains in effect until the program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the Standards. The approximate date for the next validation review of the program by the ARC-PA will be **September 2026**. The review date is contingent upon continued compliance with the Accreditation Standards and ARC-PA policy.

The purpose of accreditation is to establish and maintain standards of quality. **The Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)** is the agency authorized to accredit PA Educational Programs. Students graduating from a PA program that holds an *active accreditation status* at any time during the student's enrollment are considered graduates of an accredited program, and thus are eligible to sit for the **Physician Assistant National Certifying Examination (PANCE)**. Students must successfully complete the program that was accredited at the time the student matriculated. Certification is required to be eligible for licensure to practice as a Physician Assistant.

To learn more about the PANCE, visit the official **National Commission on Certification of Physician Assistants (NCCPA) website**.

To learn more about PA Program accreditation, visit the official **ARC-PA website**. The program's accreditation history can be viewed on the ARC-PA website at <http://www.arc-pa.org/wp-content/uploads/2021/04/Accreditation-History-U-of-Charleston-188.pdf>.

Admission

Admission is highly competitive. Comprehensive information about the UC PA Program admissions process, including GPA and prerequisite requirements, is available at <https://www.ucwv.edu/academics/school-of-health-sciences/physician-assistant-program/admissions/>.

Two admission pathways have been developed for the University of Charleston PA Program:

- Traditional Admission
- PA Fast Track

Traditional Admission

Traditional admission applicants must have been awarded a bachelor's degree (or higher) from an accredited institution of higher education prior to the matriculation date for which application is being made. The bachelor's degree does not have to be completed prior to submitting an application but there must be a feasible plan for degree completion prior to the program start date for which the student is applying. Applicants must submit an application through CASPA. Qualifying applicants are then subject to an interview.

In order for us to accurately determine United States educational equivalency, applicants who have completed coursework and/or obtained a degree from an educational institution outside the United States are required to have their educational credentials evaluated by [World Education Services \(WES\)](#) or [Education Credential Evaluators \(ECE\)](#). Evaluation reports should be sent directly from WES or ECE to the UC PA Program.

PA Fast Track

The PA Fast Track is only available to students who are currently enrolled at UC, providing an opportunity for undergraduate students to gain early admittance into the UC PA Program. Students who have completed more than 30 hours or more of college credit from other institutions are not eligible and will be required to apply for admission to the PA program through the Traditional Admission process (see above). UC students who are eligible for Fast Track will apply through the University's application portal. Highly motivated students can earn a Master's degree and become eligible to practice in as few as five years from entering UC as a freshman.

Tuition and Fees

The standard undergraduate tuition rate does not apply to students who matriculate into the UC PA Program. A detailed table outlining the expected total program tuition and fees is available online at <https://www.ucwv.edu/academics/school-of-health-sciences/physician-assistant-program/program-costs/>. It should be noted that tuition and fees can change from year to year, subject to economic influences, the needs of the university, and needs of the program.

Curriculum

The program totals 110 credit hours. The didactic portion of the curriculum takes place on UC's Charleston campus and is comprised of four semesters of coursework (including summers). During this time, students are introduced to foundational medical content to prepare them to see patients. Following the didactic phase, students spend one year on clinical rotations, working side-by-side with physicians, physician assistants, and other healthcare practitioners in the field during the eight required rotations. Some rotations will be completed at rural medical sites.

MASTER OF SCIENCE – FAMILY NURSE PRACTITIONER

Dr. Betty Beigel, Program Director

Program Mission Statement

The mission of the Master of Science in Nursing (MSN) program is to prepare ethical, safe, and effective advanced practitioners of professional nursing across the lifespan.

Program Description

The Master of Science in Nursing program prepares students for their role as an advanced practice nurse who functions as the primary care practitioner to individuals across the lifespan in a variety of inpatient and outpatient clinical settings.

The degree offers an emphasis on practice as a Family Nurse Practitioner (FNP), to enable students to take their career to a higher level. Through this program, you can develop the knowledge and skills to assume advanced practice roles. The didactic courses provide the knowledge, theoretical concepts, and research that inform today's patient care and evidence-based practice. The clinical courses enable students to gain skills in clinical decision making and differential diagnosis, patient teaching, assessments, and interventions.

Our degree enables graduates with the knowledge and skills required to sit for the FNP national certification board examination offered by the American Nurses Credentialing Center (ANCC) or the American Academy of Nurse Practitioners (AANP).

Program Learning Outcomes

At the end of this course of study:

- Graduates will deliver safe, high quality, patient-centered and population care through an advanced understanding of nursing and relevant sciences through health promotion and preventative measures.
- Graduates will implement the role of the advanced practice registered nurse through lifelong learning, reflective practice, and enlightened living informed by evidence and research.
- Graduates will advocate for policies that lead to change in quality health outcomes through interprofessional collaboration in the delivery of primary care.
- Graduates will integrate ethical, critical thinking and decision making in the leadership role to plan, implement, and evaluate primary care interventions with culturally and age diverse populations.
- Graduates will apply patient healthcare technologies and informatics in practice within a systems framework to promote effective communication and to organize care.

What You Will Study

The MSN FNP degree program includes 42 credits of academic work.

FIRST YEAR			
FALL SEMESTER		SPRING SEMESTER	
NURSM 501 Advanced Practice Roles	3	NURSM 504 IT in Advanced Practice	3
NURSM 502 EBP Research	3	NURSM 515 Advanced Pharmacology	3
NURSM 510 Advanced Pathophysiology	3	NURSM 520 Advanced Assessment	3
Total	9	Total	9
FIRST YEAR		SECOND YEAR	
SUMMER SEMESTER		FALL SEMESTER	
NURSP 625 Primary Care I	5	NURSP 635 Primary Care II	5
NURSM 503 Advanced Leadership	3	NURSM 505 Healthcare Policy	3
Total	8	Total	8

SPRING SEMESTER	
NURSM 645 Transitions: Advanced Nursing	8
Total	8

Admission Requirements

Students must gain general admission to the University of Charleston and must:

- Have a BSN from an accredited institution and at least a minimum cumulative 2.5 GPA
- Have a current, active, unencumbered US registered nurse (RN) license

Additional Requirements

MSN FNP majors must meet all University of Charleston graduation requirements, complete all program and course assignments, and must take and pass a comprehensive examination during the final semester.

SCHOOL OF PHARMACY

Dr. Scott Weston, Dean

Program Description

The Doctor of Pharmacy (PharmD) program within the University of Charleston School of Pharmacy is competency-based, with a focus on the implementation of pharmaceutical care in traditional healthcare environments and serving the needs of underserved populations. The overall goal of the curriculum is to develop a competent, highly engaged, generalist pharmacy practitioner who can successfully practice at an entry-level. The curriculum emphasizes the management of disease states and the assurance of quality of care through the analysis of pharmaceutical care outcomes in an integrated, technology-driven environment. In addition, the professional pharmacy curriculum at the University of Charleston entails an interprofessional, competency-based framework, using integrated content and teaching, simulated patient environments, problem-based approaches when appropriate, and experiential exposures threaded throughout. The curriculum has been designed to provide knowledge, teach models of care management, allow students to demonstrate their understanding, and allow plentiful experiential opportunities for practice. Finally, the curriculum is designed to transition learners from dependent to independent, life-long learners as they progress.

The School of Pharmacy is committed to the development of a well-rounded, professionally active pharmacist who is able to demonstrate both technical competence and the embodiment of other essential professional characteristics. Consequently, curricular and programmatic offerings provide instruction, hands-on opportunities, and initiatives designed to encourage the growth and development of professional stewardship, citizenry, responsibility, and active involvement in issues that impact the profession and practice of pharmacy. Students, faculty and staff work together to ensure active participation and the attainment of the community outreach, advocacy, and activism agendas determined annually by the School of Pharmacy.

School of Pharmacy Mission Statement

The mission of the University of Charleston School of Pharmacy is to prepare pharmacists and scientists to have a positive impact on the community through advocacy, scholarship and innovation. Pharmacy graduates will provide the highest level of interprofessional patient care with an emphasis on serving rural and underserved populations.

Values Statements

- We engage in interprofessional patient care and collaborative community outreach.
- We foster innovative leadership and are committed to the pursuit of excellence.
- We are committed to promoting professionalism and student success.
- We celebrate the accomplishments of our students, faculty and staff.
- We nurture a culture of diversity.
- We live our mission.

Vision Statement

The Vision for the University of Charleston School of Pharmacy is to:

- prepare leaders, educators, and scientists to serve the profession across a diverse spectrum of pharmacy practice.
- advance the Pharmacy profession through innovation, leadership, education and advocacy.
- be a trusted leader and respected resource in collaborative education and health care.
- become nationally recognized for service, community outreach, and a strong voice for rural and underserved populations.

Program Learning Outcomes

The School of Pharmacy has five program outcomes that describe the graduate of the program. These end-of-program outcomes reflect the University of Charleston graduate level Institutional Learning Outcomes as well as the Center for the Advancement of Pharmacy Education (CAPE) Outcomes of 2013. Achievement of these outcomes is evaluated for each student as they progress through the curriculum.

The graduate of the University of Charleston School of Pharmacy will:

1. Use scientific principles of inquiry to design, implement and evaluate evidence-based practices to provide complete pharmacotherapy and medication counseling for individual patients and diverse populations.
2. Demonstrate critical thinking skills by transitioning foundational knowledge into a patient-centered practice, ensuring safe and effective medication management leading to promotion of improved health, sustained wellness and prevention of disease.
3. Collaborate and communicate effectively with patients, caregivers, other healthcare members, policy makers, and members of the community to effectively participate in a team approach to patient care.
4. Engage in innovative activities when evaluating and implementing medication distribution and related management systems.
5. Demonstrate legal, ethical and professional principles and judgment in pharmacy practice.
6. Demonstrate advocacy, cultural awareness, interprofessional activities, leadership, public health strategies, and innovation and entrepreneurship as revealed in the individual's completion and defense of a personal and professional development plan.

What You Will Study

Doctor of Pharmacy Curriculum Class of 2026

FIRST PROFESSIONAL YEAR

FALL SEMESTER		SPRING SEMESTER	
PHAR 501L Prof. Awareness Prep. Seminar	nc	PHAR 506 Immunization Certification	1
PHAR 525L IPPE I*	(1)	PHAR 525L IPPE I*	(1)
PHAR 510 Intro. To Pharmacy Pr. & Law	3	PHAR 520 Pathophysiology	4
PHAR 511 Drug Literature Evaluation	1	PHAR 522 Pharmaceutics II	3
PHAR 512 Immunology	3	PHAR 523L Pharmacy Skills Lab II	1
PHAR 513 Biochemistry	3	PHAR 527 Lifestyle Mod. & Dx Prevention	3
PHAR 514 Pharmaceutics I (Calculations)	2	PHAR 516 Medicinal Chemistry	3
PHAR 555 Strategies for Positive Health Outcomes	3	Elective**	2
PHAR 515L Pharmacy Skills Lab I	1	PHAR 599 e-Portfolio	nc
PHAR 598 e-Portfolio	nc		
Semester Total	16 (17)	Semester Total	17 (18)

SECOND PROFESSIONAL YEAR

FALL SEMESTER		SPRING SEMESTER	
PHAR 611L Pharmacy Skills Lab III*	(1)	PHAR 611L Pharmacy Skills Lab III*	(1)
PHAR 615L IPPE II*	(4)	PHAR 615L IPPE II*	(4)
PHAR 610 Pharmacokinetic Principles	3	PHAR 629 HC Communications	3
PHAR 612 Pharmacology I	3	PHAR 660 Pharmacotherapy 3	3
PHAR 644 Clinical Research & Biostatistics	3	PHAR 670 Pharmacotherapy 4	3
PHAR 640 Pharmacotherapy 1	3	PHAR 641 Pharmacology II	3
PHAR 650 Pharmacotherapy 2	3	Elective**	2
PHAR 698 e-Portfolio	nc	PHAR 699 e-Portfolio	nc
Semester Total	16(19)	Semester Total	15 (18)

PHAR 626L IPPE III (2-week block in summer) 2 credit hours

THIRD PROFESSIONAL YEAR

FALL SEMESTER		SPRING SEMESTER	
PHAR 716L IPPE IV*	(1)	PHAR 716L IPPE IV*	(1)
PHAR 700L Pharm Skills Lab IV*	(1)	PHAR 700L Pharm Skills Lab IV*	(1)

PHAR 740 Pharmacotherapy 5	3	PHAR 725 Pharm Management & Marketing	3
PHAR 750 Pharmacotherapy 6	3	PHAR 718 Pharmacogenomics & Med Genetics	3
PHAR 751 Pharmacology III	3	PHAR 760 Pharmacotherapy 7	3
PHAR 728 Pharmacy Law	3	PHAR 770 Pharmacotherapy 8	3
PHAR 741 Pharmacoeconomics & HP	2	PHAR 742 Adv Drug Literature Eval	2
PHAR 798 e-Portfolio	nc	Elective**	2
		PHAR 799 e-Portfolio	nc
Semester Total	15	Semester Total	17

FOURTH PROFESSIONAL YEAR

SUMMER SEMESTER		FALL SEMESTER		SPRING SEMESTER	
PHAR 812 MTM Cert.	2	PHAR 899 e-Portfolio*	(1)	PHAR 899 e-Portfolio*	(1)
PHAR 870 SU Board Prep	nc	PHAR 880 FA Board Prep	nc	PHAR 891 SP Board Prep	1
PHAR 821 APPE 1	5	PHAR 823 APPE 3	5	PHAR 826 APPE 6	5
PHAR 822 APPE 2	5	PHAR 824 APPE	5	PHAR 827 APPE 7	5
		PHAR 825 APPE 5	5	PHAR 828 APPE 8	5
Semester Total	12	Semester Total	15(16)	Semester Total	16(17)

P4 Year Total 44

Total Curriculum Hours: 146-149 (depends upon the credit hours of the selected P1-P3 electives)

*Students will only be enrolled in course either in the Fall or Spring semester.

**Three distinct electives, each with 2 or more credit hours, are required.

Accreditation

The Accreditation Council for Pharmacy Education (ACPE; www.acpe-accredit.org) accredits Doctor of Pharmacy programs offered by Colleges and Schools of Pharmacy in the United States and Puerto Rico. Full accreditation is awarded to a program that has met all ACPE standards for accreditation and has graduated its first class. UCSOP is fully accredited by ACPE. ACPE conveys its decisions to the various boards of pharmacy and makes recommendations in accord with its decisions. It should be noted, however, that decisions concerning eligibility for licensure, by examination or reciprocity, reside with the respective state boards of pharmacy in accordance with their state statutes and administrative rules.

The University of Charleston School of Pharmacy's Doctor of Pharmacy program is **fully accredited** by the Accreditation Council for Pharmacy Education, 135 South LaSalle Street, Suite 4100, Chicago, IL 60603, (Phone: 312/664-3575; FAX, 312/664-4652, web site www.acpe-accredit.org).

Admission

The University of Charleston School of Pharmacy seeks to identify talented, qualified, and committed individuals through a competitive admissions process. Admission to the program is based on academic ability, active participation in leadership and/or community service activities, and personal characteristics that reflect a commitment to the practice and profession of pharmacy. Prospective applicants must complete 56 credit hours of pre-requisite course work (see pre-requisite requirements below). All pre-pharmacy course work must be completed prior to beginning the professional program. Applicants are strongly encouraged to complete all course work by the end of the spring semester prior to the start of the professional program.

To be considered for admission, an applicant must submit a PharmCAS application and successfully complete, with a C- or above, the required prerequisite course work. In response to the ongoing pandemic, completion of the Pharmacy College Admission Test (PCAT) is optional for all applicants. While this test-optional admission policy has been temporarily adopted, we strongly recommend applicants take the PCAT (if able) and submit scores to strengthen their admission application if one or more of the following conditions are met:

- Overall GPA below 2.75
- Downward trend in academic history, especially for science prerequisite courses

The Medical College Admission Test (MCAT), Dental Admission Test (DAT), or Graduate Records Examination (GRE) may be considered in lieu of the PCAT exam. While a GPA of 2.75 or above and scores on standardized exams in the 50th percentile and above are considered competitive, all applications are individually reviewed. Applicants are strongly encouraged to submit their application materials early in the fall semester prior to the year they plan to enroll in the pharmacy program.

The School of Pharmacy reviews applications through a rolling admissions process beginning each August and admits students into the program until the maximum class size is reached. However, students are encouraged to apply by the PharmCAS Priority Deadline of November 1st for additional benefits. Students who are successful in the initial screening process are required to complete an interview with School of Pharmacy Faculty.

Prospective applicants may obtain application materials and additional information on policies, procedures, and fees from the School of Pharmacy's website at www.ucwv.edu/pharmacy or by contacting the:

Office of Enrollment and Admissions
University of Charleston School of Pharmacy
2300 MacCorkle Ave, SE
Charleston, West Virginia 25304 304-357-4889

Applicants must utilize the on-line [Pharmacy College Application Service](#) (PharmCAS) and the School of Pharmacy's supplemental application

www.ucwv.edu/pharmacy. Information regarding PharmCAS can be obtained at <http://www.pharmacas.org>.

Students accepted to the School of Pharmacy will be required to submit a non-refundable tuition deposit as explained on the School of Pharmacy website.

UNIVERSITY OF CHARLESTON SCHOOL OF PHARMACY

Prerequisite Coursework

The pre-pharmacy course requirements have been established to ensure that students who enter the professional program will have the knowledge necessary to succeed in our program. The pre-pharmacy coursework must be completed prior to the beginning of the professional program.

Potential applicants may submit their application materials to the Office of Enrollment and Admissions without completing all pre-requisite math, science and social science requirements. However, students must successfully complete all pre-requisite coursework with a grade of “C” or higher prior to the beginning the professional program. Applicants are strongly encouraged to complete all math and science requirements by the end of the spring semester prior to beginning the first professional year. In instances when students must complete pre-pharmacy coursework in the summer prior to the start of their first professional year, it is strongly suggested that only social science coursework be completed during summer sessions.

Pre-Requisite Course	Credits	Comments
Math Requirements		
Calculus	3	
Statistics	2	
Science Requirements		
General Biology with lab	8	
Human Anatomy & Physiology*	8	See asterisk below.
Microbiology with lab	4	
General Chemistry with lab	8	
Organic Chemistry with lab	8	
Social Science Requirements		
Economics	3	Microeconomics or Macroeconomics
English Composition	6	
History or Political Science	3	
Psychology or Sociology	3	

*Acceptance of a 300 or 400 level biology course may be eligible for substitution for anatomy and physiology laboratory only if applicant's home institution does not offer anatomy laboratory and/or physiology lab courses. This is applicable only for anatomy and physiology

pre-requisite requirements. Request for this consideration must be submitted in writing using the official Pre- Requisite Course Substitution form.

Tuition and Fees

Tuition for the 2022-2023 academic year is \$34,425. Student fees for the first, second, and third professional years are \$1,500, and \$1,800 for the fourth professional year of the pharmacy program. Pharmacy students from West Virginia and the surrounding states, including Virginia, Maryland, Pennsylvania, Ohio, Kentucky, North Carolina, Tennessee and Washington, D.C., will automatically receive a regional tuition discount when they attend the UCSOP. Pharmacy Direct students who complete the majority of their pre-pharmacy coursework at UC will automatically qualify for the regional tuition discount, which provides a \$4,750 discount each year for 4 years of school. Merit-based scholarships are available for non-regional students.

Included within the fees is membership to one professional pharmacy student organization. Students in their final year are also required to pay a \$200 graduation fee. Fourth year students will also have year-long access to a licensure board preparatory course which is partially subsidized by the student fees. The technology portion of student fees covers a laptop computer and the necessary software and other items required to create a technology-mediated learning environment. The software can only be accessed on the provided computer and petitions to use other equipment are not permitted. Students attending the School of Pharmacy are responsible for securing appropriate housing while in school and for the costs of books or other learning expenses outside of those included within tuition and fees. More financial information can be found on the UCSOP website at <https://www.ucwv.edu/academics/school-of-pharmacy/affording-your-degree/>.

Transfer Policy

Students currently enrolled in a Doctor of Pharmacy degree program who wish to transfer into the University of Charleston School of Pharmacy (UCSOP) Doctor of Pharmacy program under Advanced Standing (P1 spring semester, P2, P3, or P4) will be evaluated on the following criteria to be considered for admission:

1. Have met all non-coursework admissions requirements. Completion of UCSOP prerequisite coursework will be evaluated on a case-by-case basis to ensure there are no significant deficiencies in the areas of science, math, and social sciences. If significant deficiencies are identified, a remediation plan may be recommended.
2. Will have satisfactorily completed or will complete all pharmacy coursework in progress prior to matriculation.
3. Have at least a 2.75 (on a 4-point scale) professional course work GPA. Only grades of a “C” or higher in professional courses can be transferred.
4. Be eligible for continuation toward a degree in pharmacy at the institution initially/currently attended (i.e., be in good academic and professional standing)
5. Have completed at least one semester at an institution accredited by ACPE.

6. Admissions with advanced standing will be considered only if space is available in the class for which the student would qualify.

To be considered for admissions with advanced standing (P1 spring semester, P2, P3, or P4) students must:

1. Complete an Application of Advanced Standing Transfer from the UCSOP.
2. Submit a letter of good academic and professional standing from the previous pharmacy program.
3. Submit official transcripts from the previous pharmacy program attended. Syllabi (including course schedules and topics) may be requested to determine credit equivalency per the UCSOP Transfer Credit Policy. Office of Academic Affairs determines credit equivalency; there is no guarantee of transfer into the same class previously completed at the prior pharmacy program.
4. TOEFL score may be required for international students in certain situations.
5. Submit at least one letter of reference from a practicing pharmacist.

Upon review of materials, qualified applicants may be invited to participate in an interview with the Associate Dean for Academic Affairs, Executive Director of Enrollment & Admissions, and/or one UCSOP faculty member. All final transfer admissions decisions will be at the discretion of the Dean of the UCSOP. Students will be notified within two-to-four weeks following the interview regarding an admissions decision.

Transfer Credit Policy

The UCSOP will evaluate the transfer of credit on a case-by-case basis, subject to approval by the Office of Academic Affairs. Requests for transfer credit must be made in writing at the time of application for admission to the attention of: The Office of Enrollment & Admissions and include the course number, title, catalog description, and syllabus for each course for which transfer credit is being requested. The request must also include the UC course number and title for the course(s) for which credit is being sought. All students wishing to transfer to the UCSOP beyond the P1 fall semester must first complete the Advanced Transfer Application Process.

Incoming New (P1 fall semester) Students:

The following criteria will be considered for course credit transfer into the UCSOP Doctor of Pharmacy program:

- Courses are from an Accreditation Council for Pharmacy Education (ACPE) accredited Doctor of Pharmacy program only
- A course grade of “C” or greater has been earned
- The course credit was received within three (3) years of requested transfer
- Students requesting transfer credit may be asked to “test-out” of the material at the discretion of the faculty member responsible for the UC course.

Course syllabi, schedules, and topics are required to determine credit equivalency. Courses approved for transfer are limited to six (6) credit hours total. Transfer credit will appear on UC transcript as such. Transfer grades will not be factored into the UCSOP GPA.

Advanced Transfer Students (P1 spring semester, P2, P3, P4):

The following criteria will be considered for course credit transfer into the UCSOP Doctor of Pharmacy program:

- Courses are from an Accreditation Council for Pharmacy Education (ACPE) accredited Doctor of Pharmacy program only
- A course grade of “C” or greater has been earned and the student has an overall GPA of 2.75 in all pharmacy degree credits
- The course credit was received within three (3) years of requested transfer
- Students requesting transfer credit may be asked to “test-out” of the material at the discretion of the faculty member responsible for the UC course.

Course syllabi are required to determine credit equivalency. Transfer credit will appear on UC transcript as such. Transfer grades will not be factored into the UCSOP GPA. All final transfer credit decisions will be at the discretion of the Dean of the UCSOP.

Additional Information & Student Responsibilities / Student Accountability

There may be policies in the School of Pharmacy’s *Student Handbook* that differ somewhat from the policies contained in the *UC Academic Catalog* and/or the *UC Student Handbook*. In such cases, the policies contained in the School of Pharmacy’s *Student Handbook* take precedence for School of Pharmacy students.

Student Responsibilities

Success in the professional program in pharmacy requires a significant commitment of time, energy, and mental focus to meet the curricular and co-curricular expectations of the program. Students enrolled within the School of Pharmacy should expect to be actively engaged with on- campus curricular requirements from 8AM – 5PM as a result of classroom, laboratory coursework, and team/group-based assignments with additional requirements possible. Additional time may be required to complete the experiential portion of the program (introductory and advanced pharmacy practice experiences) and for out of class assessment.

Students need to provide the appropriate time necessary outside of scheduled academic meeting times to prepare for on-campus and off- campus curricular responsibilities. School- wide convocations that are announced by the Dean’s office are also required. Documentation of active engagement through an ePortfolio is also a programmatic requirement for all UCSOP students.

Criminal Background Checks and Drug Screens

The School of Pharmacy requires criminal background checks on its students prior to admission. Admission to the School of Pharmacy is conditional pending the results of the

background check. Failure after admission to comply with required criminal background checks or drug screens will delay progression or render a student unable to complete the professional degree program. Criminal background checks and drug screens are required during the second and third professional years as a minimum condition of participating in the introductory and advanced pharmacy practice experiences; additional requirements for criminal background checks and/or drug screens may be required by individual experiential sites. The results of the criminal background check and/or drug screen will be shared with experiential sites if requested and refusal by a selected site to admit a student may delay graduation. Students are responsible for the costs of the criminal background checks and drug screens and are required to follow the established procedures for requesting and submitting the results of a criminal background check that are provided in the *School of Pharmacy Student Handbook* and communicated by the Office of Experiential Education for experiential purposes.

Immunizations

Students admitted to the School of Pharmacy are required to have updated immunization records and acceptance into the program is conditional pending proof of selected immunizations. Students are responsible for the costs of the required immunizations, which can be found in the *School of Pharmacy Student Handbook*. Students are also responsible for maintaining up to date records of all immunizations/health requirements as outlined in the Introductory and Advanced Pharmacy Practice Experiences Preceptor and Student Program Manuals in order to begin and/or complete all assigned introductory and advanced pharmacy practice experiences.

Health Insurance

Students in the School of Pharmacy are required to have and demonstrate proof of health insurance and acceptance into the program is conditional pending proof of insurance. Students are responsible for the costs of their own health insurance and further information can be found within the *School of Pharmacy Student Handbook*.

Student Transportation

Students enrolled in the School of Pharmacy will have a variety of curricular obligations off campus including experiential educational assignments, and community outreach, advocacy, or activism activities. For this reason, students are responsible for securing access to personal transportation. Further information can be found within the *School of Pharmacy Student Handbook*.

Required Certification Responsibilities

Upon acceptance to the School of Pharmacy students are expected to participate in and maintain current certification in CPR and First Aid (certification must be for health professionals). Current HIPAA training certification is also required. Further information can be found within the *School of Pharmacy Student Handbook*.

Professional Liability Insurance

Students enrolled in the School of Pharmacy have professional liability coverage provided by the University for those activities that are a direct result of student learning, such as participating in experiential learning. Unless purchased by the student, students do not have professional liability coverage for work related (non-School coordinated) activities. The School of Pharmacy strongly encourages students to purchase professional liability insurance and further information can be found within the *School of Pharmacy Student Handbook*.

Introductory (IPPE) and Advanced Pharmacy Practice Experiences (APPE) Schedule, Placement, and Requirements/Expectations

Students will begin participating in their introductory pharmacy practice experiences (IPPEs) as early as their first semester of pharmacy school. To meet the IPPE requirements students will be required to visit pre-scheduled experiential sites both during and outside of regularly scheduled class times. The School of Pharmacy reserves the right to schedule IPPEs during summer sessions as necessary for completion of all requirements. Students will generally begin attending their advanced pharmacy practice experiences (APPEs) at an announced time in the month of May following the end of the 3rd professional year. The specific schedule for the 4th year APPEs, rotation locations, and assignments will be communicated by the Executive Director of Experiential Education no later than March 31st of the 3rd professional year.

Students should be aware that not all IPPE and APPE assignments will be located in the Charleston, West Virginia area. In the event rotations are scheduled outside the geographic area, students are expected to secure their own transportation and housing unless otherwise notified. The School of Pharmacy reserves the right to modify assignments and rotations schedules based upon preceptor availability.

Students are responsible for all requirements and expectations as detailed in the Introductory and Advanced Pharmacy Practice Experiences Preceptor and Student Program Manuals (updated at least annually and located within the CORE Experiential Learning Management Site Document library).

Advancement and Graduation Requirements

Advancement of a student in the Doctor of Pharmacy program is evaluated in two major areas: successful completion of required academic work and successful completion of programmatic work or noncredit requirements. A student must complete all the graduation requirements within 6 years after enrolling in the program. Some of the noncredit requirements include the Top 200 Drugs quizzes during the P1, P2 and P3 years, e-Portfolio requirements throughout each year of pharmacy school, and the fourth year longitudinal NAPLEX/MPJE Board Preparation graduation requirements. The information that follows is only a brief outline of the School of Pharmacy policies, which can be found in detail in the *School of Pharmacy Student Handbook* and on the website www.ucwv.edu/pharmacy.

Student Advancement Requirements

Student progress is determined by the School of Pharmacy Office of Academic Affairs. The Associate Dean for Academic Affairs (ADAA) considers course grades, progression test/end of year assessments and the timely advancement toward program requirements utilizing the Advancement Policy, Course Failure Policy, Annual Progression, Academic Probation, Academic Dismissal and other pertinent policies as published in the *School of Pharmacy Student Handbook*. In order to advance within the program a student must earn no grade below a “C”, maintain a minimum 2.30 grade point average cumulatively for all courses, complete any academic deficiencies and fulfill other programmatic requirements.

Failure to accomplish the above requirements will result in a student being placed on academic probation.

Academic dismissal from the School of Pharmacy may occur if a student fails to make satisfactory progress during a period of academic probation, fails to pass at least 50% of the credit hours in which they were enrolled by the end of each semester, has academic deficiencies that preclude continuation in the prescribed program of study within six years, is placed on academic probation more than twice while in the pharmacy program, qualifies for dismissal based on the UC Academic Integrity policy, fails to correct academic deficiencies as prescribed by the ADAA, or receives less than a 2.30 semester GPA during a period of academic probation. If a student fails more than one APPE rotation in the P4 year, the student will be dismissed from the program immediately.

Students dismissed from the School of Pharmacy may seek re-entry by applying for re-admission during the normal admissions cycle. Students within the School of Pharmacy may retake courses within the professional program in which they have received a grade of “C” at the discretion of the ADAA. Both the initial course grade and the repeat grade earned by the student will be used to calculate the student’s cumulative grade point average (GPA). The second course attempt will be designated on the transcript with an “R” to indicate that the course has been repeated. According to the Course Failure Policy, certain courses qualify for remediation in order to keep students progressing through the program. The maximum grade that may be earned via remediated courses is a grade of “C.” P1, P2, and P3 students are assessed at the end of each academic year using both written and hands on/OSCE testing to determine progression to the next academic year. The Progression Testing and End of Year Assessment Remediation Policy is located in the *School of Pharmacy Student Handbook*. As previously noted, the specific policy requirements for course failure/remediation, student advancement, academic probation, and student dismissal can also be found in the *School of Pharmacy Student Handbook*.

Student Appeals Process

Academic disputes, though rare, are formally adjudicated by employing the process detailed in the *School of Pharmacy Student Handbook*. Academic dismissal from the School of Pharmacy is determined by the Associate Dean of Academic Affairs. Appeals of decisions of the Associate Dean of Academic Affairs are made to the Dean of the School of Pharmacy. Students may appeal the Dean’s decisions to the University’s Provost.

Academic Progression Appeals Process

At the end of each academic semester, the Associate Dean for Academic Affairs reviews the academic performance of all students enrolled in the School of Pharmacy and evaluates each student's qualifications to progress in the professional program. The Associate Dean for Academic Affairs (ADAA) notifies each student placed on academic probation; and furthermore, makes notification of current academic deficiencies or changes in status within the pharmacy program to the student and their academic advisor.

Any student in the School has the opportunity to appeal a decision made by the ADAA. Written confirmation of a student's intent to appeal must be received by the Dean of the School of Pharmacy within five days of the student's receipt of notification of the decision, per the *School of Pharmacy Student Handbook*.

Student Graduation Requirements

To graduate, all students will have earned a passing grade in all coursework, maintained a minimum 2.30 grade point average cumulatively for all courses as calculated by the Office of Academic Affairs within the School of Pharmacy and the successful completion of other programmatic requirements (such as the longitudinal NAPLEX/MPJE Board Preparation graduation requirement, Top 200 medication quizzes, medical terminology and calculations exams, and Phar 899, ePortfolio) as outlined within the *School of Pharmacy Student Handbook*.

SCHOOL OF PHARMACY GRADE POINT AVERAGE (GPA)

The grade point average (GPA) used for the purposes of annual progression, graduation, or Dean's List is calculated by the Office of Academic Affairs within the School of Pharmacy. Cumulative GPAs are calculated by dividing the total grade points earned by the total number of semester credit hours completed. To determine academic standing, grade point averages are rounded to the third decimal place (nearest 0.001 point).

For students granted the opportunity to repeat a failed course, the GPA calculated within the School of Pharmacy may differ slightly from that calculated for an official transcript created by the University of Charleston's registrar. Repeated courses, taken at the University of Charleston School of Pharmacy will be calculated into the School of Pharmacy GPA by replacing the grade of "F" with the earned grade and the corresponding course points. The grade of "F" will still be maintained on the student record but will no longer be used in the calculation of the cumulative GPA. Any course remediated (rather than repeated) will be awarded a grade no higher than "C" which will replace the original grade in the course, per the UCSOP Course Failure Policy found in the *School of Pharmacy Student Handbook*.

Dean's List

The School of Pharmacy has two Dean's Lists: one per semester and one for the academic year. Students will be acknowledged for the Dean's List via a letter from the Dean as well as posted accordingly. The grade point average (GPA) used for the Dean's List is calculated by the Office of Academic Affairs within the School of Pharmacy.

The Semester Dean's List includes the names of pharmacy students who are pursuing the PharmD degree and have attained a semester GPA of 3.50 in their final grades for at least 12 semester hours. Appropriate entries regarding inclusion on the Dean's List are made on the student's permanent academic record.

The Annual Dean's List is recorded on the academic transcript of graduate pharmacy students who are pursuing the PharmD degree and have achieved a semester GPA of 3.50 in 12 or more semester credit hours each semester of the academic year. Students who are on the Annual Dean's List receive a certificate.

SPECIAL REQUIREMENTS

The West Virginia Board of Pharmacy requires fifteen-hundred hours of internship experience for a student to be considered for licensure. Students are required to obtain an Intern License from the Board of Pharmacy to accrue intern hours. It is the student's responsibility to obtain and keep current, active Intern Licensure while enrolled at UCSOP. Any hours accrued before becoming a registered intern do not apply toward the intern hours needed to be considered for licensure. Credit will be given for experiential coursework during the Doctor of Pharmacy degree. To determine the specific number of hours that can be applied, please check the website for the West Virginia Board of Pharmacy <http://www.wvbop.com> or the Board of Pharmacy in the state in which you are seeking to become licensed.

The Board of Pharmacy holds final authority over the internship rules and regulations and students are advised to check the West Virginia Board of Pharmacy website for updates or changes to any requirements. Board of Pharmacy requirements vary from state-to-state and it is the student's responsibility to verify the requirements of the state in which he/she intends to become licensed. Information regarding the various states can be found via the National Association of Boards of Pharmacy website <http://www.nabp.net/>.

E-Portfolio

The ePortfolio courses encompass the four years of the pharmacy curriculum. The successful completion of a final presentation on the personal and professional development plan during the P4 year will culminate in the student receiving one credit for this course. The course has been designed to meet the Accreditation Council for Pharmacy Education (ACPE) Standards 2016 and Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes 2013. The intent of this course series is to facilitate the student's discovery of career pathways within the field of pharmacy and the development of skills to be an active citizen and provider within the community after graduation. The student may choose from several opportunities within the badge framework to determine interests and provide guidance toward opportunities best suited for future practice. Students also demonstrate creativity and innovation by choosing, developing, and justifying new activities, or those not already included in the badge framework. Although not all experiences may be positive, the goal is for students to also discover what may not be the best fit for future practice, as this information can still be valuable. During this process, students will document the evolution throughout the academic and cocurricular experience in preparation for obtaining employment during school and after graduation.

Through the e-Portfolio course(s), the student will:

1. Design an individualized co-curricular program to facilitate and support the achievement of personal and professional goals in order to create a well-rounded individual and professional upon graduation
2. Document involvement in co-curricular activities and achievements throughout the program to prepare the student to enter a desired area of practice upon graduation
3. Increase self-awareness through examination and reflection on experiences, development of skills, abilities, beliefs, values, and motivation as these enhance or limit personal and professional growth

Students will achieve the above course outcomes by:

1. Choosing and completing co-curricular activities that align with the student's interest in the areas of advocacy, cultural awareness, interprofessional education, leadership, public health, and scholarship
2. Documenting involvement in academic and co-curricular activities through the various forms of evidence required for badge attainment and the creation of a professional curriculum vitae (CV)
3. Self-reflecting on experiences and the development of knowledge, skills, abilities, beliefs, values, and motivations through the Career Pathways and Personal & Professional Development Plan documents and the final ePortfolio presentation

More information about the e-Portfolio courses and requirements can be found in the *School of Pharmacy Student Handbook*.

Top 200/Medical Terminology/Calculations

This course is a non-credit, pass/fail self-study curricular requirement for all pharmacy students and must be successfully completed on an annual basis in order to progress within the curriculum throughout the P1, P2, and P3 years. Quizzes scheduled throughout the fall and spring semesters will cover the 200 most prescribed and sold medications in the United States annually. Additional comprehensive exams will be scheduled after the completion of the medication quizzes during the fall and spring semesters to cover medical terminology of major organ systems (P1 year only) and pharmacy calculations.

More information about Top 200/Medical Terminology/Calculations requirements can be found in the *School of Pharmacy Student Handbook*.

Programmatic Changes

The School of Pharmacy reserves the right to make changes as needed to the academic program, School of Pharmacy policies and other program requirements. Notification of such changes will be provided via the website www.ucwv.edu/pharmacy and electronic communication as well as reflected in the subsequent years *School of Pharmacy Student Handbook*.

RESIDENCY PROGRAM

The University of Charleston School of Pharmacy offers a PGY-1 residency position.

Our PGY-1 Community residency is in partnership with Fruth Pharmacy and has an emphasis in community pharmacy practice. The PGY-1 residency program builds upon the Doctor of Pharmacy curriculum and provides advanced knowledge and skills regarding drug therapy and pharmacy services. The pharmacy residents are licensed practicing pharmacists in training to gain additional clinical skills and expertise.

A unique feature of the program is the opportunity to experience the many roles and responsibilities of the faculty member. In addition to clinical practice experience, residents will work with a preceptor and School of Pharmacy faculty to prepare and deliver selected classes. Residents also have opportunity to develop, deliver, and assess a course under the supervision of the preceptor. They also participate in School of Pharmacy committees and faculty meetings and attend University faculty meetings. At the completion of the residency, residents receive a teaching certificate. Our residency program is 12 months in duration. The PGY-1 Community residency is jointly accredited by the American Society of Health Systems Pharmacists, and the American Pharmacists Association.

PHARMD/MBA DUAL DEGREE PROGRAM

Pharmacy can be described as a dual profession in that it involves both clinical and managerial skills and responsibilities. The Doctor of Pharmacy (PharmD) is a specialized degree that allows one to obtain the requisite clinical skills that are required to practice pharmacy in today's environment. The practice of contemporary pharmacy requires a pharmacist who is able to market and manage both resources and personnel within a dynamic health care environment. Those students who wish to lead in their healthcare environments and have a competitive advantage in terms of technical acumen and managerial prowess should explore the dual degree offering at the University of Charleston which combines the Doctor of Pharmacy (PharmD) and the Masters of Business Administration (M.B.A) course content.

MBA Program Learning Outcomes

At the conclusion of the MBA program, the graduate will be able to:

1. Evaluate business problems by utilizing modeling and systems thinking to make informed decisions across functional areas.
2. Demonstrate effective written and verbal communication skills, including interpersonal interaction and team behavior.
3. Evaluate and apply principles of executive leadership and managerial development, including an understanding of legal and ethical decision making in a professional environment.
4. Evaluate the impact of contemporary business trends on business decision making.
5. Evaluate, select and apply principles of strategic planning to improve long-term business viability.
6. Appraise and select the various forms of economic systems and models used

by world-class organizations in the global marketplace.

The major goal of the joint Doctor of Pharmacy/Masters of Business Administration (Pharm.D./MBA) program is to educate student pharmacists to assume responsibilities as managers, administrators, consultants, and executives in health care systems designed to provide health care to their patients. Health care managers need a broad organizational overview to successfully plan, organize, lead, and control in the dynamic health care environment. They need to know how to motivate, lead, and work with others to accomplish organizational and personal objectives. To this end, the program is directed toward providing the education students need to develop an understanding of the major functional areas in health care organizations, and to design strategic plans and policies to cope with the changing pharmaceutical and health care environments. By combining a “generalist” management degree with a Doctor of Pharmacy degree, students will gain the requisite skills to do this and will likely realize additional career opportunities upon graduation.

Program Structure

The eleven core courses in the MBA program are in seven-week sessions and are three credit hours each. Students must have completed at least six core courses to take the strategy course, and generally the strategy course should be taken during the last semester. The program is designed to be completed in 16-months and students may choose from available concentrations. Highly motivated students interested in a fast-track may be able to complete it in as little as one calendar year. Graduation from the MBA Program requires a minimum cumulative GPA of 3.0 in MBA coursework, calculated using the final grade for each module.

Academic Progression

Students are expected to maintain a cumulative GPA of 3.0 or higher in the MBA program. Students falling below this level at the end of a module may be placed on academic probation and may be required to repeat a course(s) and do remedial work under the supervision of faculty members. Students not returning to a 3.0 GPA in two semesters may be dismissed from the program. Students must achieve a cumulative GPA of 3.0 by the end of the program or remediation will be required. Should the student wish to appeal his/her dismissal, he/she must do so within fourteen calendar days from the date of receipt of the dismissal letter, unless the Program Director grants a delay due to extenuating circumstances.

If a student in the joint PharmD/MBA program experiences academic difficulty in the Doctor of Pharmacy program, evidenced by a GPA below 2.75, students may be asked to withdraw from the MBA program unless solid documentation of uncontrolled circumstances leading to the second semester of academic difficulties is provided.

If a student chooses to withdraw from the PharmD program but wishes to continue with the MBA program, he/she must first have completed a Bachelor’s Degree to receive the Masters in Business Administration, and the discounted MBA tuition for PharmD students will no longer apply. In addition, three years of work experience is a requirement

of the MBA program. Student pharmacist applicants satisfy this requirement by virtue of their successful completion of the required Introductory Professional Practice Experience (IPPE) and Advanced Professional Practice Experience (APPE) obtained through the PharmD curriculum. Therefore, withdrawing or dismissal from the pharmacy program could result in additional requirements to satisfy the required professional work experience. Any student wishing to make this type of change is strongly encouraged to speak with BOTH the PharmD/MBA Liaison (Dr. Tamer Fandy) and the MBA Program Director (Dr. Rick Ferris) BEFORE withdrawing.

Disclosures

Although the MBA program allows students the opportunity to complete the requirements online and/or in-seat with the international practicum as an optional activity, pharmacy students should be aware that they will be required to complete the program online/asynchronously due primarily to IPPE 3 and APPE logistical scheduling requirements. Experiential Education requirements, schedules, and activities/expectations will NOT be rescheduled and/or excused due to MBA program requirements. Students receiving financial aid should be aware that completing these programs simultaneously increases the cost of attendance. It is very likely that students enrolled in the PharmD/MBA program will exceed their Stafford loan amounts (limits) each year. Additional loans including Graduate Plus or personal loans may be necessary to cover the full cost of the program. Additional fees related to graduation and travel (if international practicum option is elected) may apply.

MBA Core Courses: (24 credit hours) + (9 concentration hours) = 33 credit hours

MBA 671. Management & Organizational Behavior	3 credits
MBA 672. Managerial Accounting & Finance	3 credits
MBA 673. Applied Marketing	3 credits
MBA 674. Quantitative Methods	3 credits
MBA 675. International Business & Trade	3 credits
MBA 676. Managerial Economics	3 credits
MBA 677. Managerial Finance	3 credits
MBA 628. Strategic Decision Making	3 credits

Select concentration requires 3 x 3 credit hour concentration courses, which are dually credited as electives within the Pharm.D. program when healthcare-related concentration is selected.

Advantages of the UC PharmD/MBA Program

- Significant reduction in cost of obtaining the MBA degree
- Professional career training
- Sequential program allowing completion concurrent to earning the Pharm.D. degree

- Individual instruction and small classes
- No need to relocate job, family, or home
- Hybrid based instruction that allows student pharmacists to select online or in- seat one night per week classes for seven-week terms.

Please refer to the section of this Catalog about the University of Charleston School of Business and Leadership for further details on the MBA Program.

PharmD/MBA Program Admissions Process & Criteria

1. Applicants must be a full-time student at the UCSOP (in the P1 spring semester or further) in good standing with a demonstrated ability to successfully manage multiple graduate-level courses concurrently. The following recommended criteria will be considered:
 - a) Ability to maintain cumulative pharmacy GPA of 2.75 or above at the end of each semester
 - b) In accordance with our holistic admissions process, additional information from PharmCAS applications may be considered by the committee
 - c) Student demonstrates positive academic and professional integrity, as evidenced by no documented violations of the UCSOP Student Code of Conduct and verified by recommendation of the Dean of the School of Pharmacy.
2. MBA Application must be completed online through the MBA program website.
3. Evaluation of good academic/professional standing from the Dean of the UCSOP will be incorporated into the evaluation process. No separate letter of recommendation is required.
4. Graduate and undergraduate transcripts will be evaluated (housed with UCSOP, no need to request separate transcripts).
5. Submit a current Curriculum Vitae.
6. A bachelor's degree from a regionally accredited institution (waived for qualified PharmD students).
7. At least three years of professional work experience. UC PharmD students satisfy this requirement through Introductory Pharmacy Practice Experience (IPPE) and Advanced Pharmacy Practice Experience (APPE).
8. Undergraduate business prerequisites of Accounting, Economics, and Statistics (3 credit hours each); PharmD students missing the accounting prerequisite must successfully complete an approved undergraduate Principles of Accounting course or McGraw-Hill Short Course the summer prior to starting

MBA coursework.

All application materials must be submitted to pharmacy@ucwv.edu by the associated deadline:

Deadline for P1 students is April 1st

Deadlines for P2-P3 students are based on when you'd like to start MBA classes:

1. August 1st (for those interested in fall A or B term MBA classes)
2. December 1st (for those interested in spring A or B term MBA classes)
3. April 1st (for those interested in summer MBA coursework)

Application Review Process

1. Completed applications are reviewed by the UCSOP PharmD/MBA Review Committee, which includes the following faculty/administrators: the UCSOP Associate Dean for Academic Affairs, the UCSOP Executive Director of Enrollment & Admissions, and the UCSOP PharmD/MBA Program Liaison and Department of Pharmaceutical and Administrative Sciences Chair.
2. The PharmD/MBA Review Committee conducts the initial application review and makes recommendations to the Dean of the UCSOP.
3. The Dean of the UCSOP will recommend eligible candidates to the MBA Program Director.
4. The MBA Program Director and MBA Admissions Committee in the School of Business and Leadership (UCSBL) determine admission to the MBA program.
5. When possible, students will be notified of program admission or declination within 15 days of the application deadline or 2 weeks before classes start.

SCHOLAR IN GERIATRIC PHARMACY TRACK

Description: The purpose of the UCSOP Scholar in Geriatric Pharmacy Track is to prepare selected students to provide optimal patient-centered care for older adults. The track is intentionally designed to emphasize the broader aspects of care for older patients, focusing on social determinants of health and age-related pharmacokinetic/ pharmacodynamic changes that influence therapy management. Scholars will complete geriatrics-focused coursework (didactic and experiential), professional development activities, and service projects to achieve track outcomes and to allow for a well-rounded experience. Acknowledgment on the University transcript will be awarded upon graduation to students who demonstrate competency in the track learning objectives through successful completion of all requirements (as outlined below).

Scholar in Geriatric Pharmacy Track Outcomes:

1. Advocate for medication safety and preventative health measures to optimize the overall health, safety, function, independence, and quality of life of older adults.
2. Display commitment to geriatric pharmacy by developing and maintaining competence, enhancing professional practice, and supporting achievement of career goals through active participation at the local, state, and regional/national levels.
3. Recognize geriatric syndromes and the biological, physical, cognitive, psychological, and socioeconomic changes commonly associated with aging.
4. Describe how population-based care influences patient-centered care, and the development of practice guidelines applied to older adults.
5. Design and modify safe and effective individualized treatment and monitoring plans for older adults including non-pharmacologic and pharmacologic options.
6. Demonstrate the ability to conduct a geriatrics-focused research project.

Scholar in Geriatric Pharmacy Track Learning Objectives and Requirements:

- Provide Geriatrics-Related Service to the Community (Outcome 1)
- Complete 40 volunteer hours with a focus on older adults.
- Deliver 2 presentations of the Geriatric Education Series to an audience of older adults and/or their caregivers.
- Participate in Geriatrics-Related Professional Development (Outcome 2)
- Align ePortfolio Personal and Professional Development Plan with Scholar in Geriatric Pharmacy Track Outcomes as evidenced in the ePortfolio final presentation.
- Attend the Annual Meeting of the West Virginia Geriatrics Society (all sessions) OR a minimum of 8 hours of real-time professional development events (Geriatric Lunchtime Learning Series and/or WVGS Webinars).
- Attend one regional or national meeting of the American Society of Consultant Pharmacists (ASCP) or the American Geriatrics Society (AGS). A minimum of 12 hours of sessions must be attended in real-time throughout the meeting timeframe.
- Complete Geriatrics-Related Didactic and Experiential Curricular Components (Outcomes 3-5)
- Successfully complete Phar 716L: IPPE IV with a BCGP faculty preceptor.
- Successfully complete Phar 729: Geriatric Pharmacotherapy (elective course).

- Successfully complete one clinical APPE rotation with BCGP preceptor.
- Successfully complete an additional APPE rotation related to geriatrics.
- Engage in Geriatrics-Related Research (Outcome 6)
- Successfully complete one research APPE elective rotation related to geriatrics.
- Provide evidence of completed project (e.g., minimum of abstract of completed project for submission)

Application Process:

Application Window: September 1-30 of the P2 Year

Application Requirements: UCSOP transcript confirming minimum 3.00 cumulative GPA, CV, letter of recommendation from academic advisor, and 1-2 page letter of intent detailing interest in geriatric pharmacy practice and future career goals

Track Start Date: October 15th of the P2 Year

Disclosures:

All applications will be evaluated by the track co-directors; acceptances are determined at the discretion of the track co-directors. Track offering will be dependent on the quality of applicants each year; no more than four students will be accepted per class. Track participants are responsible for all costs associated with track requirements (e.g., travel, meeting registrations).

Successful track completion requires students to be self-directed and high-motivated in order to achieve all track requirements between October 15th of the P2 Year and the final day of Block 9 of the P4 year.