

# Pharmacy

## **Degree Type**

Doctor of Pharmacy (PharmD)

## **Admission Requirements**

### Procedure for Admission to the Doctor of Pharmacy Program

South University School of Pharmacy will accept only applications that are submitted through PharmCAS at: [www.pharmcas.org](http://www.pharmcas.org).

### Admission Cycle

Students are accepted into the Doctor of Pharmacy degree program once each June.

### General Admission

For optimum consideration during an admissions cycle, prospective students are encouraged to submit a completed application to PharmCAS as early as possible. Direct applications to South University will not be processed. Admission to the program is competitive and will be granted on a rolling basis for applications postmarked no later than March 1 of each year.

### Admission Criteria

Consideration for admission will be based on the applicant's potential for academic and professional achievement and an assessment of written and verbal communication skills, critical thinking skills, integrity, dedication, motivation, character and maturity. To be considered for admission to the Doctor of Pharmacy degree program a prospective student must:

1. Complete or be in the process of completing a minimum of two years of pre-pharmacy course requirements (60 semester hours) at an acceptable accredited collegiate institution. The student must earn a grade of C (2.0) or better in each prerequisite course. All pre-pharmacy coursework presented in the table below must be completed before matriculation to Doctor of Pharmacy degree program on or before May 25th of the program entrance year.

Pre-pharmacy Requirements\*

#### **English Composition/English Literature**

3 sem. hrs. (1 sem. or 4.5-qtr. hrs.)

#### **Arts & Humanities/Social & Behavioral Sciences**

12 sem. hrs. (4 sem. or 18 qtr. hrs.)

#### **Biology I<sup>c</sup>**

4 sem. hrs. (1 sem. or 6 qtr. hrs.)

**General Chemistry I<sup>c</sup>**

4 sem. hrs. (1 sem. or 6 qtr. hrs.)

**General Chemistry II<sup>c</sup>**

4 sem. hrs. (1 sem. or 6 qtr. hrs.)

**Organic Chemistry I<sup>c</sup>**

4 sem. hrs. (1 sem. or 6 qtr. hrs.)

**Organic Chemistry II<sup>c</sup>**

4 sem. hrs. (1 sem. or 6 qtr. hrs.)

**Human Anatomy/Physiology I<sup>e, f</sup>**

3 sem hrs. (1 sem or 4.5 qtr. hrs.)

**Human Anatomy/Physiology II<sup>e, f</sup>**

3 sem hrs. (1 sem or 4.5 qtr. hrs.)

**College Algebra or higher<sup>d</sup>**

3 sem. hrs. (1 sem. or 5 qtr. hrs.)

**Other Math and Science Courses<sup>e</sup>**

16 sem. hrs. (5 sem. or 24 qtr. hrs.)

- a. Recommended courses in these disciplines include psychology, sociology, anthropology, philosophy, history, literature, art, music, theater, drama, business, education, government, and foreign languages.
- b. General Biology II, Botany, Zoology, or similar health-foundational biology are also acceptable. These courses must include a laboratory. Applicants with an undergraduate degree or higher in biological science are exempted from Biology I and II pre-requisite requirements.
- c. These courses must include laboratory. Applicants with an undergraduate degree or higher in Chemistry are exempted from Chemistry I and II pre-requisite requirements.
- d. Calculus preferred.
- e. Preferred courses: Microbiology, Statistic, Genetics, Cell Biology, Immunology, Molecular Biology, Biochemistry, or Physics.

*Notes: It is recommended that the student take two science courses and at least five courses (a minimum of 17 semester hours of credit) each semester to ensure appropriate preparation for the academic challenge of the School of Pharmacy.*

*Course substitutions may be considered at the discretion of the Assistant Dean for Admissions of the School of Pharmacy.*

2. Earn a recommended cumulative grade point average of 2.80 (minimum 2.50) on a 4.0 scale. (A science GPA of 3.0 or better is recommended.)
3. Submit a completed Pharmacy application through [www.pharmcas.org](http://www.pharmcas.org). Applications mailed directly to South University will not be accepted.
4. Submit a minimum of two letters of recommendation directly to PharmCas; however, three letters are preferred.
5. Demonstrate the oral and written communication skills required to interact with patients and professional colleagues, and expected of a professional doctoral level student.

6. Complete the South University School of Pharmacy's on campus personal interview with members of the Faculty and the Admissions Committee (by invitation only).
7. Provide directly to PharmCAS all transcripts. Transcripts for all college coursework must be submitted since academic performance for all college coursework undertaken by the student will be evaluated.
8. Applicants for whom English is a Second Language must submit to Pharm CAS a minimum paper-based TOEFL score of 550 or the electronic-based score of 79-80 to be considered for the program or completes (with a passing grade in all courses) a minimum of two (2) academic terms at a regionally or nationally accredited U.S. post-secondary institution in which instruction is delivered primarily in English.
9. International students with a current F1 Visa are eligible to apply for admission. It is preferred to have completed 30 semester hours at a regionally accredited college/university in the United States. Required pre-requisite Course work completed at international (non-US) institutions is accepted if it meets the admission requirements. Applicants who have attended international institutions must order a foreign transcript evaluation from World Education Services (WES) through the PharmCAS application. The evaluation report must include institution information, course title, credit hours, and grades. Credit will be given only for applicable courses that can be used to fulfill prerequisites, and they may be required to complete additional courses prior to enrollment in order to fulfill any remaining prerequisites.

## Exceptions to the Minimum CGPA

Applicants with CGPAs lower than the stated program minimum may be considered for admission with significant evidence of academic and professional potential demonstrated by the career and/or personal accomplishments indicated in the career résumé (including a personal statement of academic and professional goals), and academic or professional letters of recommendation. Exceptions must be recommended by the School of Pharmacy Assistant Dean for Admissions, Chair of the Admissions Committee, or School Dean.

## Technical Standards for Doctor of Pharmacy Degree Program Admission

The educational mission of the South University School of Pharmacy is to prepare pharmacists for life-long learning in the practice of collaborative patient-centered care, and promote excellence in teaching, scholarship and service.

Students admitted to the Doctor of Pharmacy degree program must also meet the technical standards for admissions. These technical standards outline the essential functions that candidates for the Doctor of Pharmacy degree must be able to perform. These essential functions reside in the following categories: Observation, Communication, Sensory/Motor, Intellectual, and Behavior/Social. However, it is recognized that degrees of ability vary among individuals. The South University School of Pharmacy is committed to supporting its students by any reasonable means to complete the course of study leading to the Doctor of Pharmacy degree.

- **Observation:** A candidate must be able to observe demonstrations and experiments in the basic sciences, including, but not limited to, physiological and pharmacological demonstrations in animals, evaluation of microbiological cultures, and microscopic studies of microorganisms and tissues in normal and pathological states. A candidate must be able to observe a patient accurately at a distance and close at hand. In detail, observation necessitates the functional use of the sense of vision and other sensory modalities.
- **Communication:** A candidate must be able to communicate effectively and sensitively with patients. The focus of this communication is to elicit information, describe changes in mood, activity and posture, and perceive nonverbal communication. Communication includes speech, reading, writing, and computer literacy. A candidate must be able to communicate effectively and efficiently in oral and written forms with all members of the healthcare team in a timely manner.
- **Sensory/Motor:** A candidate must have sufficient motor function to elicit information from patients by physically touching patients, e.g. assessing range of motion of a joint, taking blood pressure readings, taking a

pulse reading. A candidate must be able to execute motor movements to provide general care and emergency treatments to patients, e.g. first aid treatments, cardiopulmonary resuscitation (CPR). A candidate must be able to execute motor movements required in the compounding of medications inclusive of using techniques for preparing sterile solutions, e.g., parenteral or ophthalmic solutions. Such actions require coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses of touch and vision.

- **Intellectual (Conceptual, Integrative, and Quantitative Abilities):** A candidate must have the ability to measure, calculate, reason, and analyze. A candidate must be able to synthesize and apply complex information in a timely manner. A candidate must be fully alert and attentive at all times in clinical settings.
- **Behavioral/Social Attributes:** A candidate must possess the emotional health required for full utilization of his or her intellectual abilities, the exercise of good judgment, and the prompt completion of all responsibilities attendant to the interaction with patients. A candidate must possess the ability to develop mature, sensitive, and effective relationships with patients. A candidate must be able to tolerate physically taxing workloads and to function effectively under stress. A candidate must be able to adapt to changing environments, to display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of many patients. A candidate must possess compassion, integrity, interpersonal skills, and motivation to excel in pharmacy practice.

Requirements for Matriculation Applicants who have been accepted into the Doctor of Pharmacy program must fulfill the following before they can officially enter the program:

- Remit the \$500 acceptance fee by the date designated in the acceptance agreement. The entire acceptance fee is credited to the first quarter's tuition.
- Submit a college transcript after each term completed following acceptance.
- Submit self-certification of high school graduation or GED completion.
- Submit proof of immunization or for immunity to Measles/Mumps/Rubella (MMR), Varicella (Chickenpox), Tetanus/Diphtheria, and Hepatitis B. In addition, students must complete the annual Tuberculin Test (PPD). An Immunization Clearance Form provided as part of the acceptance package must be completed and returned along with other immunization documentation.
- Present a Basic Adult Life Support certificate.
- Submit proof of medical insurance coverage.
- Satisfactorily complete a Background check.

Complete additional coursework if required by the Admissions Committee and submit additional documents as requested by the Office of Admissions.

Failure to comply with these requirements may result in forfeiture of your acceptance.

## Laptop Computer Requirement

Laptop computers are required for use in the multimedia classroom. All students are required to have a laptop computer with Internet access and CD Rom which meets university specifications. Purchase of a new laptop is not recommended until just before matriculation into the program so that performance vs. cost can be optimized. Students may buy any laptop that meets the minimum computer specifications which are set by the school in the spring of each year.

For additional admissions information please see the admissions section [here](#).

## Program Overview and Outcomes

## Accelerated Program

One of only a limited number of accelerated Doctor of Pharmacy Degree programs nationwide through full-time continuous enrollment, South University provides four academic years of study within three calendar years. After being accepted to the South University School of Pharmacy, students begin a 12-quarter schedule.

## Curriculum

The carefully structured curriculum is designed to prepare graduates for high standards of contemporary pharmacy practice as well as the evolution of the profession.

## Teaching Method

In a setting of collaborative learning and teamwork, the program interrelates the basic sciences and practice.

## Technology and Facilities

The South University School of Pharmacy offers personalized and technical instructional delivery utilizing industry-standard equipment and facilities.

The role of pharmacists in the medical field is changing and evolving to meet the demands of the profession and society. The Doctor of Pharmacy degree program's curriculum at South University is structured to produce graduates who can adapt to the profession's changes while also maintaining high standards of pharmacy practice. South University's progressive curriculum is designed to incorporate technology in addition to a traditional classroom setting.

## South University Campus and Affiliations with Healthcare Facilities

The South University School of Pharmacy in Savannah is a 40,000-square-foot, freestanding, facility designed specifically to house a modern pharmacy school. The building provides instructional, laboratory, and office facilities for pharmacy students, faculty and administrators. This facility also provides two large modern lecture halls and an adequate number of small classrooms to facilitate small group instruction.

A General Purpose Laboratory is located in the building. This laboratory includes rooms for patient counseling practice and teaching physical assessment. All rooms have videotape/playback capabilities. In addition, a sterile products room and a model pharmacy are available. This practice laboratory accommodates up to 34 students per class, and is designed to emulate real practice settings as well as to provide maximum use in the academic program. There is also a 32-station Analytical Chemistry Laboratory that is used for chemistry, pharmaceuticals, and professional laboratory courses. A Drug Information Center on the first floor provides an active learning center in the School of Pharmacy.

Practice sites have been recruited to support the experiential component of the curriculum. Early activity will be focused on the introductory practice experiences. Students will be precepted at sites in all three phases of practice experience: introductory, intermediate and advanced. Experiential sites will include, but not be limited to, chain and independent community pharmacies, teaching and community hospitals, long term care facilities, managed care facilities, pharmaceutical companies, home infusion therapy companies, regulatory agencies, family practice clinics and a veterinary hospital, among others.

South University has developed a program that is visionary in its approach to educating Pharmacy students, with a carefully structured curriculum designed to prepare graduates for both high standards of contemporary pharmacy practice and the evolution of the profession. At South University, we have integrated Medicinal Chemistry, Pharmacology, and Therapeutics into one combined continuing course sequence developed in full collaboration by science and practice faculty. The resulting efficiency allows a rigorous comprehensive didactic component in a curriculum that contains 12 months of full-time rotations using an accelerated, full-time 12-quarter schedule designed to deliver four academic years in three calendar years.

## Program Student Learning Outcomes:

### Domain 1: Foundational Knowledge

- 1.1. Apply principles of chemistry, biochemistry, and pharmacology to medication safety and efficacy.
- 1.2. Apply the principles of pharmaceutical science and calculations to drug design and drug delivery systems.
- 1.3. Apply pharmacokinetic, pharmacodynamic, and pharmacogenomic principles to therapeutic strategies.
- 1.4. Compare and contrast the physiology and biochemistry of normal body system function to that of abnormal function.
- 1.5. Critically analyze literature related to drugs and diseases to enhance clinical decision-making.

### Domain 2: Essentials for Practice and Care

- 2.1. Collect subjective and objective patient information to identify medication and medical-related problems.
- 2.2. Assess and analyze information to determine effectiveness of therapy, identify problems, and prioritize needs to achieve optimal patient care.
- 2.3. Design an individual patient-centered care plan in collaboration with the patient and other health care professionals that is evidence-based and cost-effective to maximize desired effects.
- 2.4. Implement the care plan in collaboration with the patient, caregiver, and other healthcare professionals.
- 2.5. Follow-up and monitor the care plan to evaluate its effectiveness and modify the plan as needed.

### Domain 3: Approach to Practice and Care of Individual Patients

- 3.1 Demonstrate accurate, safe, and time-sensitive preparation, dispensing, and administration of pharmaceuticals.
- 3.2 Manage pharmacy resources to optimize pharmacotherapy outcomes for individual patients.
- 3.3 Educate patients and health care providers.

### Domain 4: Approach to Practice and Care of Populations

- 4.1 Demonstrate skills needed to participate in, or provide, preventive services.
- 4.2 Apply research processes to ensure informed decision-making.

## Personal and Professional Development

- 5.1 Examine personal attributes that may enhance or limit personal and professional growth.
- 5.2 Demonstrate responsibility for creating and achieving shared goals, regardless of organizational position.
- 5.3 Engage in innovative and creative methods to accomplish goals.
- 5.4 Demonstrate professional citizenship in the delivery of patient care, distribution of medications, and the promotion of wellness and disease prevention.
- 5.5 Advocate for the profession and patients.
- 5.6 Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.
- 5.7 Demonstrate problem solving skills including the ability to think critically, exercise professional judgment, and articulate and defend a decision.
- 5.8 Exhibit behaviors and values that are consistent with the trust bestowed to the profession by patients, other healthcare providers, and society.
- 5.9 Demonstrate knowledge of, and compliance with, federal and state laws/regulations governing the practice of pharmacy.

## Create Value for Stakeholders of the Health Care System

- 6.1 Demonstrate the ability to create a business plan and/or strategy to launch a new service, product, or business line or improve an existing one.
- 6.2 Demonstrate the ability to apply performance improvement strategies to monitor the quality of a service, product, or business.
- 6.3 Demonstrate the ability to apply business and financial management tools to monitor the performance of a service, product, or business.

## Doctor of Pharmacy Degree Program Curriculum and Courses: 219 Credits

### 1st Quarter (Summer Quarter) 15 Credits

| Course Code | Title                                   | Credits |
|-------------|---|---------|
| PHA3113     | Pathophysiology I                       | 5.0     |
| PHA3127     | Pharmaceutical Calculations             | 3.0     |
| PHA3129     | Introduction to Medicinal Chemistry     | 3.0     |
| PHA3130     | Integrated Pharmacy Skills Laboratory I | 1.0     |
| PHA3141     | Pharmacy Practice and Communications    | 3.0     |

## 2nd Quarter (Fall Quarter) 16 Credits

| Course Code | Title                                      | Credits |
|-------------|--|---------|
| PHA3114     | Pathophysiology II                         | 4.0     |
| PHA3134     | Biochemistry                               | 4.0     |
| PHA3136     | Integrated Pharmacy Skills Laboratory II   | 2.0     |
| PHA3146     | Pharmaceutics I                            | 3.0     |
| PHA3150     | Health Care Systems                        | 2.0     |
| PHA4277     | Introductory Community Pharmacy Practice I | 1.0     |

## 3rd Quarter (Winter Quarter) 19 Credits

| Course Code | Title                                       | Credits |
|-------------|---|---------|
| PHA3109     | Microbiology/Immunology                     | 5.0     |
| PHA3110     | Molecular Biology                           | 3.0     |
| PHA3137     | Integrated Pharmacy Skills Laboratory III   | 2.0     |
| PHA3220     | Principles of Drug Action                   | 4.0     |
| PHA3222     | Self-Care I                                 | 2.0     |
| PHA3246     | Pharmaceutics II                            | 2.0     |
| PHA4278     | Introductory Community Pharmacy Practice II | 1.0     |

## 4th Quarter (Spring Quarter) 18 Credits

| Course Code | Title  | Credits |
|-------------|--|---------|
| PHA4212     | Pharmacokinetics I                             | 4.0     |
| PHA4220     | Integrated Sequence I - Endocrine/Reproductive | 3.5     |
| PHA4221     | Integrated Sequence II - Inflammation          | 2.5     |
| PHA4222     | Self-Care II                                   | 3.0     |
| PHA4238     | Integrated Pharmacy Skills Laboratory IV       | 1.0     |
| PHA4250     | Clinical Practice Lab I                        | 1.0     |
| PHA4254     | Pharmacy Law/Ethics                            | 2.0     |
| PHA4279     | Introductory Community Pharmacy Practice III   | 1.0     |

## 5th Quarter (Summer Quarter) 16 Credits

| Course Code | Title  | Credits |
|-------------|--|---------|
| PHA4280     | Community Professional Practice Experience     | 8.0     |
| PHA4281     | Institutional Professional Practice Experience | 8.0     |



## 6th Quarter (Fall Quarter) 18 Credits

| Course Code                    | Title   | Credits  |
|--------------------------------|---|----------|
| PHA4228                        | Pharmacokinetics II   | 3.0      |
| PHA4236                        | Leadership and Advocacy   | 1.0      |
| PHA4330                        | Integrated Sequence III - Autonomics                                      | 4.5      |
| PHA4331                        | Integrated Sequence IV - GI/Hepatic                                       | 2.5      |
| PHA4335                        | Clinical Epidemiology and Biostatistics                                   | 3.0      |
| PHA4350                        | Clinical Practice Lab II  | 1.0      |
| <b>Elective Pool (3 hours)</b> |   | <b>3</b> |
| PHA4239                        | Pharmaceutical Calculations   | 3.0      |
| PHA4243                        | Drug and Chemical Toxicology  | 3.0      |
| PHA4246                        | Cultural Competence for Healthcare Providers                              | 3.0      |
| PHA4247                        | Pharmaceutical Care for Patients with Diabetes                            | 3.0      |
| PHA4248                        | Immersive Lifestyle   | 3.0      |
| PHA4249                        | Understanding Clinical Decision Making                                    | 3.0      |
| PHA4371                        | Special Topics in Pharmaceutical Science                                  | 3.0      |
| PHA4372                        | Special Topics in Practice: Hormone Dependent Cancers                     | 3.0      |
| PHA4374                        | Developing the Pharmacy Leader  | 3.0      |
| PHA5302                        | Personal Finance for Pharmacists  | 3.0      |
| PHA5307                        | A Practical Approach to Substance Abuse, Addiction and Recovery           | 3.0      |
| PHA5362                        | Medication Therapy Management   | 3.0      |
| PHA5376                        | Advanced Wound Care   | 3.0      |
| PHA5378                        | Medical Spanish Communication   | 3.0      |
| PHA5379                        | Postgraduate Opportunities, Pharmacy Residencies                          | 1.0      |
| PHA5390                        | Strategies for Enhancing Professional Communication                       | 3.0      |
| PHA5310                        | Strategies to Enhance Teaching and Presentation Skills School of Pharmacy | 3.0      |

## 7th Quarter (Winter Quarter) 16 Credits

| Course Code | Title  | Credits |
|-------------|--|---------|
| PHA5233     | Drug Information: Evaluation of Medication Literature & Safety | 3.0     |
| PHA5250     | Clinical Practice Lab III                                      | 1.0     |
| PHA5353     | Pharmacy Practice Management                                   | 3.0     |
| PHA5391     | Integrated Sequence V - Cardiology                             | 6.5     |
| PHA5392     | Integrated Sequence VI - Renal                                 | 2.5     |

## 8th Quarter (Spring Quarter) 18.5 Credits

| Course Code                    | Title   | Credits  |
|--------------------------------|---|----------|
| PHA5320                        | Clinical Practice Lab IV  | 1.0      |
| PHA5358                        | Applied Pharmaceutical Care I   | 4.0      |
| PHA5393                        | Integrated Sequence VII - Central Nervous System                          | 5.5      |
| PHA5394                        | Integrated Sequence VIII - Infectious Disease                             | 5.0      |
| <b>Elective Pool (3 hours)</b> |   | <b>3</b> |
| PHA4239                        | Pharmaceutical Calculations   | 3.0      |
| PHA4243                        | Drug and Chemical Toxicology  | 3.0      |
| PHA4246                        | Cultural Competence for Healthcare Providers                              | 3.0      |
| PHA4247                        | Pharmaceutical Care for Patients with Diabetes                            | 3.0      |
| PHA4248                        | Immersive Lifestyle   | 3.0      |
| PHA4249                        | Understanding Clinical Decision Making                                    | 3.0      |
| PHA4371                        | Special Topics in Pharmaceutical Science                                  | 3.0      |
| PHA4372                        | Special Topics in Practice: Hormone Dependent Cancers                     | 3.0      |
| PHA4374                        | Developing the Pharmacy Leader  | 3.0      |
| PHA5302                        | Personal Finance for Pharmacists  | 3.0      |
| PHA5307                        | A Practical Approach to Substance Abuse, Addiction and Recovery           | 3.0      |
| PHA5362                        | Medication Therapy Management   | 3.0      |
| PHA5376                        | Advanced Wound Care   | 3.0      |
| PHA5378                        | Medical Spanish Communication   | 3.0      |
| PHA5379                        | Postgraduate Opportunities, Pharmacy Residencies                          | 1.0      |
| PHA5390                        | Strategies for Enhancing Professional Communication                       | 3.0      |
| PHA5310                        | Strategies to Enhance Teaching and Presentation Skills School of Pharmacy | 3.0      |

## 9th Quarter (Summer Quarter) 16 Credits

| Course Code                    | Title   | Credits  |
|--------------------------------|---|----------|
| PHA5350                        | Health Economics and Outcomes Assessment                                  | 2.0      |
| PHA5359                        | Applied Pharmaceutical Care II  | 3.0      |
| PHA5360                        | Clinical Practice Lab V   | 2.0      |
| PHA5395                        | Integrated Sequence IX - Critical Care                                    | 3.5      |
| PHA5396                        | Integrated Sequence X - Hematology/Oncology                               | 2.5      |
| <b>Elective Pool (3 hours)</b> |   | <b>3</b> |
| PHA4239                        | Pharmaceutical Calculations   | 3.0      |
| PHA4243                        | Drug and Chemical Toxicology  | 3.0      |
| PHA4246                        | Cultural Competence for Healthcare Providers                              | 3.0      |
| PHA4247                        | Pharmaceutical Care for Patients with Diabetes                            | 3.0      |
| PHA4248                        | Immersive Lifestyle   | 3.0      |
| PHA4249                        | Understanding Clinical Decision Making                                    | 3.0      |
| PHA4371                        | Special Topics in Pharmaceutical Science                                  | 3.0      |
| PHA4372                        | Special Topics in Practice: Hormone Dependent Cancers                     | 3.0      |
| PHA4374                        | Developing the Pharmacy Leader  | 3.0      |
| PHA5302                        | Personal Finance for Pharmacists  | 3.0      |
| PHA5307                        | A Practical Approach to Substance Abuse, Addiction and Recovery           | 3.0      |
| PHA5362                        | Medication Therapy Management   | 3.0      |
| PHA5376                        | Advanced Wound Care   | 3.0      |
| PHA5378                        | Medical Spanish Communication   | 3.0      |
| PHA5379                        | Postgraduate Opportunities, Pharmacy Residencies                          | 1.0      |
| PHA5390                        | Strategies for Enhancing Professional Communication                       | 3.0      |
| PHA5310                        | Strategies to Enhance Teaching and Presentation Skills School of Pharmacy | 3.0      |

## 10th, 11th, and 12th Quarters (Fall/Winter/Spring Quarters) 66.5 Credits

### Advanced Professional Practice Experience Rotations\*

| Course Code | Title   | Credits |
|-------------|---|---------|
| PHA6000     | Essential Knowledge of Practice Review I      | 3.5     |
| PHA6010     | Essential Knowledge of Practice Review II     | 3.5     |
| PHA6020     | Essential Knowledge of Practice Review III    | 3.5     |
| PHA6525     | APPE I: Advanced Community Rotation           | 8.0     |
| PHA6526     | APPE II: Ambulatory Care Rotation             | 8.0     |
| PHA6527     | APPE III: Inpatient General Medicine Rotation | 8.0     |
| PHA6528     | APPE IV: Advanced Institutional Rotation      | 8.0     |

Students are required to take three of the following:

| Course Code | Title  | Credits |
|-------------|--|---------|
| PHA6529     | APPE V: Elective - Institutional Care Rotation I     | 8.0     |
| PHA6530     | APPE VI: Elective - Institutional Care Rotation II   | 8.0     |
| PHA6531     | APPE VII: Elective - Institutional Care Rotation III | 8.0     |
| PHA6532     | APPE VIII: Elective - Community Care Rotation I      | 8.0     |
| PHA6533     | APPE IX: Elective - Community Care Rotation II       | 8.0     |
| PHA6534     | APPE X: Elective - Community Care Rotation III       | 8.0     |
| PHA6535     | APPE XI: Elective - Non-Patient Care Rotation        | 8.0     |
| PHA6536     | APPE XII: Elective - Administrative Rotation         | 8.0     |
| PHA6537     | APPE XIII: Elective - Drug Information Rotation      | 8.0     |

One additional elective is available and will add one credit to the program for a total of 220 credit hours.

| Course Code | Title        | Credits |
|-------------|--------------|---------|
| PHA6339     | Grand Rounds | 1.0     |

Note(s):

\*Students are required to take 7 of the 12 listed rotations (56 credit hours) along with the 3 Essential Knowledge of Practice Review courses (10.5 credit hours) for a total of 65 required credit hours. Students will take [PHA6525](#), [PHA6526](#), [PHA6527](#), [PHA6528](#), [PHA6503](#), [PHA6504](#), [PHA6505](#) and any combination of three of the following: [PHA6529](#), [PHA6530](#), [PHA6531](#), [PHA6532](#), [PHA6533](#), [PHA6534](#), [PHA6535](#), [PHA6536](#) and [PHA6537](#). In addition, Grand Rounds ([PHA6339](#)) is an optional elective that students may elect to take in one of the last three quarters of the curriculum and will be scheduled at the discretion of the School of Pharmacy.

# Pharmacy/Business Joint Degree (PharmD/MBA)

*Offered at South University, Savannah to students enrolled in the Doctor of Pharmacy Degree program.*

South University offers the opportunity to pursue the Master of Business Administration (MBA) degree simultaneously with the Doctor of Pharmacy (PharmD) degree. This presents the student with the prospect of earning both degrees with an expected substantial time savings over that required to earn each degree separately. Completion of degree requirements for the PharmD degree is expected to precede those of the MBA degree.

The South University Master of Business Administration program prepares students for leadership positions in profit and not for profit organizations. These positions require strong competencies in the fundamentals of business and management. The curriculum is designed to provide students a sound foundation in basic business skills followed by cross-functional core courses covering the best practices for business decisions to deliver goods and services to constituents.

## Admission Requirements

Doctor of Pharmacy students with a grade point average of 2.70 or higher and not on academic or professional probation may apply to the MBA program upon completion of the equivalent of 120 undergraduate quarter hours.

## Satisfactory Progress

The guidelines outlined in the Catalog and repeated in the School of Pharmacy Handbook will apply to courses taken to fulfill the requirements for the Pharm. D. degree. However, for subsequent courses taken to fulfill the requirements for the MBA degree, the guidelines outlined in the Catalog and repeated in the College of Business Handbook will apply. In addition, students with a grade of 2.00 or less in any course will be required to meet with the Pharm. D/MBA Directors of the Program to discuss their academic progress.

## Sequence of Courses

After completion of the equivalent of 120 undergraduate quarter hours and acceptance to the MBA program, students may proceed to the fundamental and core courses. Upon completion of the core courses, students proceed to the specialization courses in the area of Pharmacy Administration. Upon completion of these specialization courses, students proceed to the [MBA6999](#) Strategic Development and Implementation course. This completes the requirements for the MBA.

## Master of Business Administration with Pharmacy Administration Specialization: 48 Credits

### Foundation: 16 Credits

| Course Code | Title                                     | Credits |
|-------------|---|---------|
| MBA5001     | Organizational Behavior and Communication | 4.0     |
| MBA5004     | Managerial Economics                      | 4.0     |
| MBA5005     | Law and Ethics for Managers               | 4.0     |
| MBA5009     | Managerial Environment                    | 4.0     |

## Core: 12 Credits

| Course Code | Title                                  | Credits |
|-------------|--|---------|
| MBA6010     | Managerial Finance                     | 4.0     |
| MBA6011     | Strategic Marketing                    | 4.0     |
| MBA6012     | Operations and Supply Chain Management | 4.0     |

## Pharmacy Administration Specialization: 16 Credits

| Course Code | Title  | Credits |
|-------------|--|---------|
| PHA4335     | Clinical Epidemiology and Biostatistics                              | 3.0     |
| PHA5333     | Drug Information, Literature Evaluation, Research Design and Methods | 3.0     |
| PHA5350     | Health Economics and Outcomes Assessment                             | 2.0     |
| PHA5353     | Pharmacy Practice Management   | 3.0     |
| PHA6339     | Grand Rounds   | 1.0     |

Choose one course from the two courses listed below

| Course Code | Title                               | Credits |
|-------------|-------------------------------------|---------|
| MHA6050     | Regulation and Policy in Healthcare | 4.0     |
| MHC6303     | Quality Performance and Management  | 4.0     |

Note(s):

([PHA6536](#) APPE XII Elective Administrative Rotation will be required as part of the Pharm. D. course credits)

## Capstone

| Course Code | Title                                    | Credits |
|-------------|--|---------|
| MBA6999     | Strategic Development and Implementation | 4.0     |

## Course Timing

- Two foundation courses completed as electives during quarters 8 and 9
- Two foundation courses completed in quarters 10 and 11
- Four specialization courses completed during quarters 6, 7, and 9
- Three core, one specialization, and capstone course completed in quarters 12, 13, and 14
- One rotation must be in Pharmacy Administration

# MBA with Pharmacy Administration Specialization Course Calendar

Quarter 1\* through 6 all students follow the Pharmacy curriculum outline for the PharmD program. Beginning in Quarter 8 PharmD/MBA students will add the MBA required courses to their Quarterly enrollment as follows:

| Quarter | Required Courses  |
|---------|---|
| Q6      | <a href="#">PHA4335</a> Clinical Epidemiology and Biostatistics   |
| Q7      | <a href="#">PHA5333</a> Drug Information Research Design and <a href="#">PHA5353</a> Pharmacy Practice Management   |
| Q8      | <a href="#">MBA5001</a> Organization Behavior and Communication as SOP Elective   |
| Q9      | <a href="#">MBA5005</a> Law and Ethics for Managers as SOP Elective and <a href="#">PHA5350</a> Health Economics and Outcomes Assessment  |
| Q10     | <a href="#">MBA5009</a> Managerial Environment  |
| Q11     | <a href="#">MBA5004</a> Managerial Economics  |
| Q12     | <a href="#">MBA6010</a> Managerial Finance  |
| Q13     | <a href="#">MBA6011</a> Strategic Marketing and <a href="#">MBA6012</a> Operations and Supply Chain Management  |
| Q14     | <a href="#">MBA6999</a> Strategic Development and Implementation<br>Choice of one (1) of the following: <a href="#">MHC6303</a> Quality Performance and Management or <a href="#">MHA6050</a> Regulation and Policy in Healthcare |

\*Quarter 1 for the Pharm D program begins in the 2nd quarter of the calendar year.

**Total Credits**

**219**