PHARMACY (PHAR)

PHAR 010 — Portfolio I
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites
.05 credits
In-Person

PHAR 011 — Portfolio II
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites
.05 credits
In-Person

PHAR 012 — Portfolio III
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites.
.05 credits
In-Person

PHAR 013 — Portfolio IV
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites.
.05 credits
In-Person

PHAR 014 — Portfolio V
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites.
.05 credits
In-Person

PHAR 015 — Portfolio VI
This is a year-long longitudinal course. Students are required to maintain a current portfolio throughout their tenure in the School of Pharmacy. The portfolio will be assessed for completion of activities and assignments at the end of each semester or as indicated in the deadlines. Assignments must be complete with no expired or missing requirements for the student to progress to the next professional year. Examples of requirements that must be current include a valid State of Georgia Pharmacy Intern license, Basic Life Support certification, required immunizations, health insurance, student self-assessment, essays, curriculum vita, HIPAA and OSHA/Blood-borne pathogen training as well as specific requirements as stated in the course syllabus each semester. Some requirements may be specific to assigned experiential sites.
.05 credits
In-Person

PHAR 041G — Professionalism Portfolio I
Professionalism Portfolio I
.25 credits
In-Person

PHAR 042G — Professionalism Portfolio II
Professionalism Portfolio II
.25 credits
In-Person

PHAR 043G — Professionalism Portfolio III
Professionalism Portfolio III
.25 credits
In-Person

PHAR 110 — Anatomy & Physiology and Pathophysiology I
This course is the first in a two-part series exploring human anatomy, physiology, and pathophysiology. It begins with an overview of basic human anatomy and cellular physiology, followed by an introduction to pathophysiology and the fundamental principles of how stress or injury can disrupt cellular function and lead to disease. The course then covers genetics and inherited disorders. The remainder focuses on the physiology and pathophysiology of the immunologic and hematologic, neurological and gastrointestinal systems. Emphasis is placed on understanding normal physiological processes and how disease alters them. Relevant clinical laboratory values are also introduced, highlighting their role in diagnosing and monitoring various conditions.
4 credits
In-Person

PHAR 110G — Anatomy Physiology and Pathophysiology I
This course is the first of a three course sequence that covers human anatomy, physiology and pathophysiology. This course, in combination with the Anatomy Laboratory, presents human anatomy from a structure and function foundation. The discussion of basic cellular structure and cell function will be followed by study of the gross anatomy of the human body using the system approach. Anatomical structure and function will be discussed with particular attention to those components most important for the practicing pharmacist. The systems covered are the nervous, muscular, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems.
4 credits
In-Person

PHAR 111 — Anatomy & Physiology and Pathophysiology II
As the second course in a two-part series on human anatomy, physiology, and pathophysiology, this course continues the exploration of these subjects by focusing on the cardiovascular, pulmonary, renal, integumentary, endocrine, and reproductive systems. Emphasis is consistently placed on understanding normal physiological functions and how disease disrupts these processes. Where relevant, commonly used clinical laboratory values are introduced, along with their significance in diagnosing and monitoring diseases.
4 credits
In-Person

PHAR 112 — Biochemisty W/ Clinical Correlation
This course is designed to provide students with a comprehensive understanding of biochemical processes and their relevance to human health and pharmacotherapy. Students will study the structure and function of biomolecules, metabolic pathways, and the regulation of biochemical processes in health and disease. Through the integration of clinical cases and conditions, students will apply foundational biochemical knowledge to understand the molecular basis of various disorders, and therapeutic decision making.
3 credits
In-Person

PHAR 115G — Anatomy Physiology and Pathophysiology II
As the second in the two-course sequence that covers human anatomy, physiology and pathophysiology, this course continues with the discussion of the anatomy, physiology and pathophysiology of the gastrointestinal, neurological, integumentary, endocrine and reproductive systems. An emphasis is placed throughout the course on understanding normal physiological processes and how disease perturbs such processes. Commonly used clinical laboratory values, and their application to diagnosis and monitoring of disease, are introduced as appropriate
4 credits
In-Person

PHAR 117 — Principles of Drug Action I
This is the first course in the sequence which focuses on principles of medicinal chemistry and Molecular pharmacology for drug action. This course provides foundational understanding of the functional groups, acid and base theory, solubility, drug binding interactions, stereochemistry, drug metabolism, SAR and drug design for pharmacodynamic effects. The course teaches the pharmacology, and medicinal chemistry of medicinal agents. The integrated nature of this course emphasizes the interrelationship of these areas that is vital to understanding the basis of patient centered pharmaceutical care. Fundamental knowledge in these areas allows the clinician to understand the theory and application to aid in the selection of the proper therapeutic agent or agents for disease control in the presence of a number of variables including patient variables such as age, gender, diet, and co-existing conditions; drug variables, such as potency, adverse effects, interactions, pharmacokinetics and others such as cost, availability, etc. This course will cover the medicinal chemistry, pharmacology and therapeutic rationale of drugs used in the treatment of autonomic and central nervous system disorders such as neurodegenerative disorders (Alzheimer's and Parkinson's disease), anxiolytics, sedatives, hypnotics, antiepileptics and depression
4 credits
In-Person

PHAR 117G — Principles of Drug Action I
This is the first course in the sequence which focuses on principles of medicinal chemistry and drug development. This course covers functional groups, acid and base theory, solubility, drug binding interactions, stereochemistry, drug metabolism, SAR and drug design.
4 credits
In-Person

PHAR 118 — Principles of Drug Action II
This is the second course in a sequence focused on the pharmacology and medicinal chemistry of therapeutic agents. Emphasizing the integrated nature of these disciplines, the course highlights their interconnection as essential to the foundation of patient-centered pharmaceutical care. A solid grasp of these concepts enables clinicians to apply theoretical knowledge in selecting appropriate therapeutic agents, considering a range of factors—including patient-specific variables (such as age, gender, diet, and comorbidities), and drug-related characteristics (such as potency, adverse effects, interactions, and pharmacokinetics). This course explores the medicinal chemistry, pharmacology, and therapeutic rationale of drugs used to manage a variety of conditions, including ADHD and eating disorders, psychosis, bipolar disorder, pain management (NSAIDs, opioids, medical cannabis), muscle spasms, migraines, dyslipidemia, anemia, renal disorders, hypertension, arrhythmias, heart failure, thromboembolism, angina, gout, osteoarthritis, and rheumatoid arthritis.
4 credits
In-Person

PHAR 118G — Integrated Case Studies I
This is a three course series in the first professional year designed to engage students in course related activities. This is the first in course series consisting of activities designed to bring relevance to concepts presented in the classroom from 4 courses: Anatomy, Physiology & Pathophysiology; Biochemistry with Clinical Correlations; Biostatistics; and Principles of Drug Actions, I. This course includes but not limited to assigning interactive sessions leading to active learning, critical thinking and problem solving. It could include breakout room activity such as practice problems sessions/workshops, course related cases/vignettes, short quizzes, essay type assignments, reading recitations, reflections, projects, and material/exam reviews. The experience should continue the transition from courses instruction to the application or practice phase of pharmacy.
1 credits
In-Person

PHAR 120G — Pharmacy Practice I: Foundations in Therapeutics and Clinical Reasoning
Pharmacy Practice I–Foundations in Therapeutics and Clinical Reasoning improves the student pharmacist skill making decisions for patients. The course introduces students to clinical reasoning and decision-making skills in analyzing data to formulate a patient specific assessment and patient-care plan. Students will learn a systemic process of clinical decision-making applied to pharmacy practice, data interpretation, and pharmaceutical care documentation. This course is composed of four domains: 1) Social and behavioral aspects of pharmacy practice; 2) Pharmaceutical Care as the professional practice for patient-centered management; 3) Pharmacists' Patient Care Process (PPCP) and 4) Critical Thinking, Problem-Solving, Clinical Reasoning, and Clinical Decision- Making to optimize patient care outcomes.
2 credits
In-Person

PHAR 122G — Integrated Case Studies II
This is the second course in a three course series in the first professional year designed to engage students in course related activities. This is the second in course series consisting of activities designed to bring relevance to concepts presented in the classroom from Anatomy, Physiology & Pathophysiology II and Pharmaceutics. This course includes but is not limited to assigning interactive sessions leading to active learning, critical thinking and problem solving. It could include breakout room activity such as practice problem sessions/workshops, course related cases/vignettes, short quizzes, essay type assignments, reading recitations, reflections, projects, and material/exam reviews. The experience should continue the transition from courses instruction to the application or practice phase of pharmacy
1 credits
In-Person

PHAR 125 — Over The Counter (OTC)
This comprehensive course explores the safe and effective use of over-the-counter (OTC) medications commonly available for conditions considered to be self-treatable according to current medical guidelines, and learn proper selection. Emphasis is placed on patient counseling, recognizing drug interactions, safe usage guidance, and knowing when to refer to a healthcare provider. The course aims to enhance the confidence and competence of pharmacy students in supporting safe, informed self-care decisions among patients.
2 credits
In-Person

PHAR 127 — Pharmaceutical Calculations
This course introduces students to metrology, the foundation for pharmaceutical calculations. It begins with a brief review of fundamental mathematical concepts, followed by prevalence of measurement systems relevant to the pharmacy field. Students will learn to interpret prescriptions, including the various abbreviations and notations commonly used in pharmacy practice. The course then covers the techniques for calculating, expressing, and determining drug quantities used to prepare a wide range of pharmaceutical dosage forms, including oral, topical, otic, ophthalmic, and parenteral products. The course emphasizes concepts related to the calculation of drug concentration, tonicity, osmolarity, equivalents, potency, proof, density, specific gravity, etc.
3 credits
In-Person

PHAR 128 — Biostatistics & Drug Information
This course prepares students to acquire and develop both the knowledge and skills to retrieve healthcare related information. Students receive a review of drug information resources, background questioning and search strategy, with an emphasis on specialty references and databases. The students will also receive an introduction to the concepts of informatics. Basic statistical concepts important to the practice of pharmacy and medicine will be introduced. Students will learn basic descriptive statistics, probability, sampling distributions, inferential statistical tests, and sample size/statistical power calculations. Students will also read and analyze articles published in the medical literature and evaluate the statistical methodology being used.
3 credits
In-Person

PHAR 130 — Pharmacy Practice I: Introduction to Pharmacy
This course prepares students to acquire and develop both the knowledge and skills in pharmacy practice and clinical reasoning by understanding theoretical concepts and clinical reasoning skills as well as guest speakers form different areas of pharmacy. Students receive a review of drug information resources, background questioning and search strategy, with an emphasis on specialty references and databases
2 credits
In-Person

PHAR 132 — Pharmaceutics
This course focuses on physical pharmacy and pharmaceutical dosage forms. Students will learn to apply their understanding of the physical and chemical properties of drugs to formulate stable dosage forms suitable for both commercial production and individualized compounding of drug products. The course introduces the theory and practice behind the rational selection of dosage forms and drug delivery systems, along with the potential challenges associated with these choices. Additionally, students will explore the principles of pharmaceutical compounding, including an overview of Good Manufacturing Practices (GMPs) and Good Compounding Practices. Legal and professional considerations in pharmacy practice will also be addressed.
3 credits
In-Person

PHAR 132G — Integrated Case Studies III
This is the third course in a course series in the first professional year designed to engage students in course related activities. This is the third in course series consisting of activities designed to bring relevance to concepts presented in the classroom from Principles of Drug Action II and Biopharmaceutics. This course includes but is not limited to assigning interactive sessions leading to active learning, critical thinking and problem solving. It could include breakout room activity such as practice problem sessions/workshops, course related cases/vignettes, short quizzes, essay type assignments, reading recitations, reflections, projects, and material/exam reviews. The experience should continue the transition from courses instruction to the application or practice phase of pharmacy.
1 credits
In-Person

PHAR 134G — Biostatistics
Basic statistical concepts important to the practice of pharmacy and medicine will be introduced. Students will be exposed to basic descriptive statistics related to presentation, organization, and summarization of data. The course will also cover basic research design.
2 credits
In-Person

PHAR 135 — Integrated Case Studies I
This is the first course in a series of courses in the first professional year designed to engage students in course related activities. This course consists of activities designed to bring relevance to concepts presented in the classroom from Anatomy, Physiology & Pathophysiology I, Principles of Drug Action I, and Biochemistry with Clinical Correlations courses. This course includes but is not limited to assigning interactive sessions leading to active learning, critical thinking and problem solving. The experience should continue the transition from courses instruction to the application or practice phase of pharmacy
1 credits
In-Person

PHAR 136 — Integrated Case Studies II
This is the second course in the first professional year, designed to engage students in course-related activities. This course consists of active-learning activities designed to bring relevance to concepts presented in the classroom from Anatomy, Physiology & Pathophysiology II, Principles of Drug Action II, and Pharmaceutics. This course includes, but is not limited to, assigning interactive sessions to enhance critical thinking and problem-solving abilities. The experience should continue the transition from course instruction to the application or practice phase of pharmacy
1 credits
In-Person

PHAR 137G — Principles of Drug Actions II
This is the second course in the sequence that teaches the pharmacology, and medicinal chemistry of medicinal agents. The integrated nature of this course emphasizes the interrelationship of these areas that is vital to understanding the basis of patient centered pharmaceutical care. Fundamental knowledge in these areas allows the clinician to understand the theory and application to aid in the selection of the proper therapeutic agent or agents for disease control in the presence of a number of variables including patient variables such as age, gender, diet, and co-existing conditions; drug variables, such as potency, adverse effects, interactions, pharmacokinetics and others such as cost, availability, etc. This course will finish central nervous system disorders and then cover the therapeutics of pain management, as well as the medicinal chemistry and pharmacology of the drugs used to treat these conditions.
4 credits
In-Person

PHAR 138G — Principles of Drug Actions III
This is the Third course in the sequence that teaches the pharmacology, and medicinal chemistry of medicinal agents. The integrated nature of this course emphasizes the interrelationship of these areas that is vital to understanding the basis of patient centered pharmaceutical care. Fundamental knowledge in these areas allows the clinician to understand the theory and application to aid in the selection of the proper therapeutic agent or agents for disease control in the presence of a number of variables including patient variables such as age, gender, diet, and co-existing conditions; drug variables, such as potency, adverse effects, interactions, pharmacokinetics and others such as cost, availability, etc. This course covers essential pharmacology and medicinal chemistry on topics including dyslipidemia, hypertension, thrombosis, arrhythmia, heart failure, renal and respiratory disorders, anemia, diabetes, endocrine disorders, GI disorders, arthritis and other inflammatory conditions, and chemotherapy for cancers.
3 credits
In-Person

PHAR 139G — Self-Care and Holistic Wellness I
This course will present those conditions considered to be self-treatable according to current medical guidelines. For the respective conditions, a survey of the products available, their effectiveness, proper selection and appropriate patient counseling will be discussed. Counseling strategies specific to OTC products will also be presented. This course also includes holistic wellness approach that addresses the body, mind and spirit or the physical, emotional/mental and spiritual aspects of an individual such as massage therapy, Tai Chi, yoga, progressive muscle relaxation, and Reiki.
2 credits
In-Person

PHAR 140 — Professional Development I
This is the first course in the professional development course series that covers performance and affective domains that address the student's skill sets and personal and professional development throughout the curriculum. The purpose of this introductory course is to provide students with a conceptual framework for professionalism The purpose of this course is to provide the educational activities that foster professional growth of students as well as stimulate the development of professional attitudes, behaviors, dispositions and an understanding of the opportunities within the pharmacy profession.
.05 credits
In-Person

PHAR 141 — Professional Development II
This course continues the professional development series, focusing on the development and understanding of team dynamics, and cultural awareness/humility.
.05 credits
In-Person

PHAR 141G — Pharmaceutics
This course studies physical pharmacy and pharmaceutical dosage forms. Students will learn to apply their knowledge of the physical and chemical properties of drugs to the ability to formulate stable dosage forms that can be utilized in commercial production of, or individually compounded, drug products. Students will be introduced to the theory and practice involved in the rational selection of dosage forms and drug delivery systems as well as issues that may arise from these choices. The theory and practice of pharmaceutical compounding, including a discussion of Good Manufacturing Practices (GMPs) and Good Compounding Practices will be presented. Legal and professional issues will also be presented.
4 credits
In-Person

PHAR 145G — Pharmaceutical Calculations
This is an introduction to metrology and pharmaceutical calculations. A brief review of basic mathematical concepts is followed by historical review of measurement systems specific to the profession of pharmacy. Detailed interpretation of the prescription and the variety of abbreviations and notations utilized is followed by presentation of the methods used to calculate, express, or determine the amount of drug to utilize in the preparation of a variety of pharmaceutical preparations ranging from oral, topical, optic, ophthalmic and finally to parenteral products. Determination of drug concentration, toxicity, equivalents, potency, proof, density and specific gravity is also addressed.
2, 3 credits
In-Person

PHAR 150 — Patient Care Skills Lab I (Counseling & Communication)
This course first in four-Patient Care Skills lab course sequence. This course provides students an understanding of patient encounters and provides the necessary skills to perform, participate and understand while managing difficult patient encounters. This course also includes social and behavioral aspects of patient interaction techniques and clinical decision making skills in patient care. This course examines the specialized communication skills used in the practice of patient counseling. Students will study basic counseling skills, and interventions, including important areas such as self-awareness, information and knowledge that contribute to becoming effective counselors. Students will also learn how to interpret parts and components of a prescription.
1 credits
In-Person

PHAR 150G — Biochemistry with Clinical Correlations
This course is an introduction to the physical, chemical, structural, and functional properties of molecules associated with the chemistry of life processes. Carbohydrate, lipid, protein, and nucleic acid biosynthesis and/or degradation will be discussed along with DNA and RNA biosynthesis, enzymology, and gene expression.
4 credits
In-Person

PHAR 151 — Patient Care Skills Lab II (Compounding)
After completing this course, the students will gain proficiency in pharmaceutical compounding, laboratory equipment handling, calculations, procedures, and documentation involved in the nonsterile extemporaneous compounding of various dosage forms. The course follows Good Compounding Practices established by the National Association of Boards of Pharmacy (NABP). Through hands-on laboratory exercises, students will practice reading the prescriptions and accordingly prepare examples of compounded products, including but not limited to liquid, solid, and semi-solid oral dosage forms and enteral and topical preparations.
1 credits
In-Person

PHAR 161G — Patient Care Skills Lab I
This course first in five-Patient Care Skills lab course sequence. This course provides students an understanding of patient encounters and provides the necessary skills to perform, participate and understand while managing difficult patient encounters. This course also includes social and behavioral aspects of patient interaction techniques and clinical decision making skills in patient care. This course examines the specialized communication skills used in the practice of patient counseling. Students will study basic counseling skills, and interventions, including important areas such as self-awareness, information and knowledge that contribute to becoming effective counselors.
1 credits
In-Person

PHAR 162G — Patient Care Skills Lab II
In this course students will become proficient with the equipment, calculations, procedures, and records used in the nonsterile compounding of various dosage forms. Good Compounding Practices adopted by the National Association of Boards of Pharmacy will be followed. Practical examples of compounding of liquid, solid, and semi-solid oral dosage forms as well as enteral and topical products will be prepared as part of the laboratory exercises.
1, 1 credits
In-Person

PHAR 170 — Introductory Pharmacy Practice Experience (IPPE) Clinical I
This introductory pharmacy practice experience (IPPE) is designed as an introduction to the profession of pharmacy. It offers the initial exposure of students to institutional healthcare system pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care for the rest of their academic and professional careers. Students will spend a total of 16 hours in an institutional pharmacy setting. Students will also be required to complete a workbook during the rotation. This will involve several hours of learning about institutional pharmacy practice
1 credits
In-Person

PHAR 171 — Introductory Pharmacy Practice Experience (IPPE) Clinical II
This IPPE provides direct practical experience to the student in a healthcare system setting, which may include ambulatory care, Institutional or other health care system settings. The students will become familiar with the role of the pharmacist as part of an interdisciplinary team in the provision of patient care. Students will also conduct patient interviews, review patient profiles/charts, and further develop their drug monitoring skills. The skills developed during this course will prepare the student to enter into the Advanced Pharmacy Practice Experiences (APPEs) during the fourth year of the professional pharmacy curriculum.
1 credits
In-Person

PHAR 173G — Introductory Pharmacy Practice Experience, Community
This introductory pharmacy practice experience (IPPE) is designed as an introduction to the profession of pharmacy in the community setting. It offers the initial exposure of students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care for the rest of their academic and professional careers. This rotation will develop the students skills in patient interviews, patient profiles/charts, patient interviews and focus on ensuring medication safety. Other skills that will be advanced include the knowledge of medication distribution systems and practice management. The skills developed during this sequence will prepare the student to enter into the Advanced Pharmacy Practice Experiences (APPEs) during the fourth year of the professional pharmacy curriculum.
1 credits
In-Person

PHAR 174 — Introductory Pharmacy Practice Experience (IPPE) Community I
This introductory pharmacy practice experience (IPPE) is designed as an introduction to the profession of pharmacy in the community setting. It offers the initial exposure of students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient#centered care for the rest of their academic and professional careers. This rotation will develop the students' skills in patient interviews, patient profiles/charts, patient interviews and focus on ensuring medication safety. Other skills that will be advanced include the knowledge of medication distribution systems and practice management. The skills developed during this sequence will prepare the student to enter into the Advanced Pharmacy Practice Experiences (APPEs) during the fourth year of the professional pharmacy curricul
1 credits
In-Person

PHAR 174G — Introductory Pharmacy Practice Experience, Institutional
Introductory Pharmacy Practice Experience, Institutional
1 credits
In-Person

PHAR 175 — Introductory Pharmacy Practice Experience (IPPE) Community II
This introductory pharmacy practice experience (IPPE) is designed as a follow-up to the community IPPE I rotation. It offers a second to community pharmacy practice with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care for the rest of their academic and professional careers. This rotation will develop the students' skills in patient interviews, patient profiles/charts, patient interviews and focus on over-the-counter medications and pharmacy law. Other skills that will be advanced include the knowledge of medication distribution systems and practice management. The skills developed during this sequence will prepare the student to enter into the Advanced Pharmacy Practice Experiences (APPEs) during the fourth year of the professional pharmacy curriculum.
1 credits
In-Person

PHAR 190E — Culinary Medicine
Culinary elective, originally DO.
.5-1 credits
In-Person

PHAR 199 — Milestone Progression Exam I
A milestone progression examination will be given at the end of the first year that will assess knowledge and skills acquired in the first year of curriculum. Students must pass this examination to progress to the second professional year.
.05 credits
In-Person

PHAR 199G — Milestone Progression Exam I
.25 credits

PHAR 208G — Research Methods
Two important inferential statistical techniques: Logistic regression and Time-to-event analysis will be introduced in this course. The course will also introduce different types of fundamental study designs (RCT, Cohort Study, Case Control Study) used in pharmacy and clinical research. Students will also read and analyze articles published in the medical literature and evaluate the statistical methodology being used.
2 credits
In-Person

PHAR 209G — Public Health and Pharmacoepidemiology
Public Health and Pharmacoepidemiology
2 credits
In-Person

PHAR 210 — Pharmacotherapy I
This course is the first in the series of four pharmacotherapy courses. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans.
6 credits
In-Person

PHAR 211 — Pharmacotherapy II
This course is the second in the series of four pharmacotherapy courses. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans
6 credits
In-Person

PHAR 212 — Biopharmaceutics
This course introduces students to the principles of biopharmaceutics and their application in optimizing drug therapy. It focuses on the relationship between the physical and chemical properties of drugs, dosage forms, and the biological factors that influence the rate and extent of drug absorption, distribution, metabolism, and excretion (ADME). The key areas that will be covered include, but are not limited to, Drug dissolution, solubility, and permeability; physicochemical properties affecting drug absorption; gastrointestinal physiology and its impact on drug bioavailability; concepts of bioavailability and bioequivalence; and impact of biopharmaceutics on drug formulation with an overview of regulatory requirements. Through in-class discussions-oriented lectures, case studies, and problem-solving exercises, students will develop the ability to apply biopharmaceutics principles to clinical scenarios, dosage form selection, and decision-making for a therapeutic and precise patient-centered care.
3 credits
In-Person

PHAR 214G — Integrated Case Studies IV
This is the fourth course in a case studies course series in the second professional year designed to engage students in course related activities. Activities are designed to bring relevance to concepts presented in the classroom from Principles of Drug Action III and Immunology and microbiology. This course includes but is not limited to assigning interactive sessions leading to active learning, critical thinking and problem solving. It could include breakout room activity such as practice problem sessions/workshops, course related cases/vignettes, short quizzes, essay type assignments, reading recitations, reflections, projects, and material/exam reviews. The experience should continue the transition from courses instruction to the application or practice phase of pharmacy.
1 credits
In-Person

PHAR 215 — Personalized Medicine (Pharmacogenomics and Care Across Life Span)
This course will include all types of personalized medicine, technological advances and medications that are personalized for any patient. It will cover pharmacogenomics, nutrigenomics, epigenetics, immunotherapy, and other types of precision medicine. It will also focus on motivational and behavioral patient interviewing utilized in integrative, functional medicine and health coaching practices in which pharmacists can play a role. It will also cover genetic basis for disease and individual differences in metabolizing enzymes which can utilize the practice of personalized medicine.
2 credits
In-Person

PHAR 215G — Integrated Case Studies V
(Part 2) This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug-related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality.
1 credits
In-Person

PHAR 216 — Health Care Delivery, Systems & Policy
The course provides an introduction to the U.S. health care system, managed health care and pharmacy services. The structure, organization, and delivery of health care in the United States are presented with emphasis placed on the pharmacist's role in patient care. Problems with the system will be covered along with approaches being used to address these problems. Emphasis will be placed on where pharmacy operates within our health care system, how it can be the solution to some of our health care problems and the major currently debatable issues surrounding health care.
2 credits
In-Person

PHAR 216G — Integrated Case Studies VI
(Part 3) This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug-related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality.
1 credits
In-Person

PHAR 217 — Principles of Drug Action III (Pharmacology & Immunology)
This is the third course in a sequence dedicated to the study of pharmacology and medicinal chemistry of therapeutic agents. It continues to emphasize the integrated nature of these disciplines, reinforcing their essential role in supporting patient-centered pharmaceutical care. A strong foundation in these areas equips clinicians to apply both theory and clinical insight when selecting appropriate therapeutic agents, considering a wide range of factors, including patient-specific variables (such as age, gender, diet, and comorbidities), and drug-related factors (such as potency, adverse effects, interactions, and pharmacokinetics). This course focuses on the medicinal chemistry, pharmacology, and therapeutic rationale of drugs used in the treatment of various conditions, including respiratory disorders (asthma, COPD), gastrointestinal disorders (gastric ulcers, nausea, and vomiting), diabetes and other endocrine disorders (pituitary, adrenal, thyroid, and urogenital conditions, as well as osteoporosis), and cancer, with an emphasis on agents such as alkylating agents and antimetabolites.
3 credits
In-Person

PHAR 218 — Principles of Drug Action IV (Microbiology & Infectious Disease)
This is the fourth course in a sequence dedicated to the study of pharmacology and medicinal chemistry of therapeutic agents. This course emphasizes the role of pharmacological and medicinal principles of drugs in maintaining health and contributing to the development, progression, and treatment of immune dysfunction and microbial infections. The course introduces fundamental principles such as microbial classification, structure, staining techniques, and genetics, followed by an in-depth study of clinically relevant microorganisms, including bacteria, mycoplasmas, rickettsia, chlamydia, viruses, fungi, and parasites. The course emphasizes mechanisms of microbial pathogenesis, resistance, control, and disease prevention. This course explores the medicinal chemistry, pharmacology, and therapeutic rationale of drugs used to manage various pathological condition including but not limited to microbial infection and immunological conditions.
4 credits
In-Person

PHAR 220 — Public and Population Health, Pharmacoepidemiology & Pharmacoeconomics
The pharmacist's role is expanding beyond the traditional product-oriented functions of dispensing and distributing medicines and health supplies. Today's pharmacist services include more patient-oriented, administrative and public health functions. This course will examine the pharmacist's role in public health as well as the science of pharmacoepidemiology and how they both are applied in daily pharmacy practice. The second half of the course introduces pharmacoeconomic theory, methods and applications, with students learning cost estimation, outcomes measurement, quality of life, and different types of pharmacoeconomic studies and analyses.
2 credits
In-Person

PHAR 221G — Health Care Systems and Policy
The course provides an introduction to the U.S. health care system, managed health care and pharmacy services. The structure, organization, and delivery of health care in the United States are presented with emphasis placed on the pharmacist's role in patient care. Problems with the system will be covered along with approaches being used to address these problems. Emphasis will be placed on where pharmacy operates within our health care system, how it can be the solution to some of our health care problems and the major currently debatable issues surrounding health care.
2 credits
In-Person

PHAR 222 — Pharmacy Administration and Management
In this course , basic managerial, organizational, and financial management concepts are presented that enable the practicing pharmacist to manage people, change, structural demands, and organizational behavior to provide optimum care and services as a health professional. This course will also introduce entrepreneurial and marketing topics for use in pharmacy and health care system practice environments. The analysis of management principles as they relate to community and health-system pharmacy management will be stressed including planning, organizing, motivation and marketing.
2 credits
In-Person

PHAR 228G — Pharmacy Administration and Management and Entrepreneurship
Basic managerial, organizational, and financial management concepts are presented that enable the practicing pharmacist to manage people, change, structural demands, and organizational behavior to provide optimum care and services as a health professional. This course will also introduce entrepreneurial and marketing topics for use in pharmacy and health care system practice environments. The analysis of management principles as they relate to community and health-system pharmacy management will be stressed including planning, organizing, motivation and marketing.
2 credits
In-Person

PHAR 229G — Pharmacotherapy III
The course is designed to train students in the last 3 components of the Pharmacists' Patient Care Process (PPCP): Plan, Implement, and Follow-Up. Guided by the instructors in the course, students will be complete their thought process or approach to pharmacotherapeutic problems. The course will rely on team-based learning and a flipped-classroom model to engage students in the application of pharmacotherapy as it relates to patient care plans.
3 credits
In-Person

PHAR 230 — Pharmacy Practice II: Medication Use Systems, Care Transitions and Informatics
This course focuses on the practice of pharmacy in health care systems including aspects of pharmacist management of adult, geriatrics and pediatric patient care in the settings of hospital, ambulatory care, home care, managed care, hospice, palliative care, long-term care and other health care systems. This course will compare and contrast the components of typical medical use systems and distribution models in different pharmacy practice settings. Students will learn the role of the pharmacist in impacting the safety and efficacy of each component of a typical medication use system such as medication procurement, storage, prescribing, transcription, dispensing, administration, monitoring, formulary management, education, medication error prevention, Drug Utilization Evaluations (DUE), Drug Utilization Reviews (DURs) and additional documentation. Upon successful completion of the course the student will know the knowledge, skills, abilities, behaviors and attitudes necessary to provide patient-centered care, manage mediation use systems, promote health and wellness and describe the influence of population-based care on patient-centered care. Students will also learn basic clinical pharmacist concepts and services and how to apply those concepts and services.
2 credits
In-Person

PHAR 231G — Pharmacotherapy I
Pharmacotherapy I
3 credits
In-Person

PHAR 232G — Pharmacotherapy II
Pharmacotherapy II
3 credits
In-Person

PHAR 233G — Pharmacy Practice II Topics in Patient Care
This course covers the practice of pharmacy in health care systems such as hospital, home care, managed care, hospice and palliative care as well as ambulatory and long-term care. Discussions will focus on the types of patients treated, models of practice and practice standards as well as the various accreditation agencies, government regulation, and institutional policies and procedures. Additional topics may also include the following: include parenteral and enteral nutrition, Pharmacy and Therapeutic (P&T) Committees, investigational drug use, medication reconciliation, ethics boards, and code response involvement as well as technological advances and automation
2 credits
In-Person

PHAR 234 — Pharmacotherapy IV
Pharmacotherapy IV
3 credits
In-Person

PHAR 240 — Professional Development III
This is the third course in the professional development course sequence that covers performance and affective domains that address the student's skill sets and personal and professional development throughout the curriculum. The purpose of this course is to engage students in thorough understanding of leadership theories and styles along with essential management skills to be successful at all levels of pharmacy practice
.05 credits
In-Person

PHAR 241 — Professional Development IV
This course provides a discussion forum for exploring current legislative and regulatory issues influencing the pharmacy profession. Students will be engaged in a variety of activities which will introduce them to advocacy opportunities in the profession.
.05 credits
In-Person

PHAR 241G — Integrated Infectious Disease
This is the first course in the Infectious Disease sequence that teaches the pharmacology, medicinal chemistry and therapeutics of agents used to treat infectious diseases. The integrated nature of this course emphasizes the interrelationship of these areas that is vital to understanding the basis of patient- centered pharmaceutical care. Fundamental knowledge in these areas allows the clinician to understand the theory and application to aid in the selection of the proper therapeutic agent or agents for infection control in the presence of a number of variables including patient variables such as age, gender, diet, and co-existing conditions; drug variables such as potency, adverse effects, interactions, and pharmacokinetics; and others such as cost, drug availability, and alternative treatments available. This course will cover agents used to treat infections caused by bacteria.
4 credits
In-Person

PHAR 245 — Pharmacotherapy Case Studies I
This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality.
1 credits
In-Person

PHAR 246 — Pharmacotherapy Case Studies II
This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality.
1 credits
In-Person

PHAR 250 — Patient Care Skills Lab III (Patient Assessment)
This laboratory course focuses on developing the essential skills for pharmacists in the Patient Care Process. Students will learn to gather necessary subjective and objective patient information through observation, interviewing, and basic physical assessment techniques, including vital signs. Furthermore, the course provides foundational knowledge and practical skills in patient education, conducting medication histories, supporting patient behavior change, and guiding patient self-administration of medications, devices, and disease monitoring
1 credits
In-Person

PHAR 251 — Patient Care Skills Lab IV (Asceptic Techniques)
This laboratory course highlights the practice of pharmacy in health care systems while also emphasizing a variety of hospital pharmacy practice skills. Students will train in simulated inpatient hospital settings, providing dispensing follow-up/monitoring functions, and perform medication reconciliation. Students will also prepare sterile and biohazardous products utilizing the latest technology for maintaining sterility and providing human safety during product preparation. Training in the preparation of intravenous admixtures such as antimicrobials will be provided based on USP 797 and 800 regulations. Special procedures, quality control, use of available references, appropriate calculations, and federal and state regulations will also be addressed.
1 credits
In-Person

PHAR 251G — Integrated Toxicology and Patient Safety
2 credits
In-Person

PHAR 256G — Patient Care Skills Lab III
This laboratory will familiarize the student with basic patient assessment including the practice of inspection, palpation, percussion and auscultation. These fundamental physical assessments will be incorporated into patient evaluations while using clinically relevant patient data, drug histories/interviews, laboratory values, and point-of-care diagnostic tests. Principles of medication therapy management (MTM) will be used to develop pharmaceutical care plans with acting patients who will then be counseled.
1 credits
In-Person

PHAR 263G — IPPE Clinical
IPPE Clinical
1 credits
In-Person

PHAR 265G — IPPE Community
IPPE Community
1 credits
In-Person

PHAR 269G — Biopharmaceutics
This is a study of drug absorption, distribution, metabolism and excretion (ADME) as well as individual differences that influence these processes. Drug parameters that control ADME will be studied, such as solubility, pKa, molecular size, and protein binding. Physiological determinants underlying ADME, such as cellular transporters, hepatic metabolism, and hepatic and renal elimination, as well as factors affecting drug distribution will also be presented. Finally, the concept of bioequivalence, its determination and application will be presented.
3 credits
In-Person

PHAR 299 — Milestone Progression Exam II
This milestone progression examinations will be given at the end of the second year that will assess knowledge and skills acquired in the first two years. Students must pass this course to progress to the third professional year.
.05 credits
In-Person

PHAR 299G — Milestone Progression Exam II
A comprehensive examination will be given at the end of the second year that will assess knowledge and skills acquired in the first two years. Students must pass this examination to progress to the third professional year.
.25 credits

PHAR 309 — Pharmacotherapy III
This course is the third in the series of four pharmacotherapy courses. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans.
6 credits
In-Person

PHAR 309G — Pharmacoeconomics and Health Outcomes
Pharmacoeconomics and Health Outcomes
2 credits
In-Person

PHAR 310 — Pharmacotherapy IV
This course is the last in the series of four pharmacotherapy courses. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans.
6 credits
In-Person

PHAR 310E — Elective: Chronic Disease Management I
This course is designed to expose students to the role and effectiveness of pharmacist-led chronic disease management and referral of patients to other health care professionals. Special emphasis is placed on students' ability to problem-solve and written and verbal presentation skills via an integrated case format. Complex integrated cases will focus on initiation, adjustment, and discontinuation of drug therapy seen in chronic disease state management, including, but not limited to hypertension, diabetes, heart failure, venous thromboembolism, ASCVD, gout, cirrhosis and osteoporosis.
1 credits
In-Person

PHAR 311 — Pharmacotherapy V
This course is the last in the series of pharmacotherapy courses. The course is designed to equip students with the steps that are key to effectively incorporate the Pharmacists' Patient Care Process (PPCP) into their provision of care of patients with multiple disease states and/or disease state complications in the outpatient and inpatient settings. The course will focus on drug therapy selection and implementation of pharmacotherapeutic plans. Other aspects of the PPCP that will be discussed include patient assessment and drug therapy evaluation and monitoring. The course will rely on role playing and case studies to engage students in the application of pharmacotherapy as it relates to patient care plans.
6 credits
In-Person

PHAR 311E — Elective: Chronic Disease Management II
This course is designed to expose students to the role and effectiveness of pharmacist-led chronic disease management and referral of patients to other health care professionals. Special emphasis is placed on students' ability to problem-solve and written and verbal presentation skills via an integrated case format. Complex integrated cases will focus on initiation, adjustment, and discontinuation of drug therapy seen in chronic disease state management, including, but not limited to GERD, diabetes, infectious disease, venous thromboembolism, gout, liver disease, and osteoporosis.
1 credits
In-Person

PHAR 314 — Complementary and Alternate Medicine (CAM)
This course will present those conditions considered to be self-treatable according to current medical guidelines. For the respective conditions, a survey of the products available, their effectiveness, proper selection and appropriate patient counseling will be discussed. Counseling strategies specific to herbs and supplements will also be presented. This course also includes holistic wellness approach that addresses the body, mind and spirit or the physical, emotional/mental and spiritual aspects of an individual such as ayurvedic medicine, functional medicine, integrative medicine, massage therapy, Tai Chi, yoga, progressive muscle relaxation, and Reiki.
2 credits
In-Person

PHAR 315E — Elective: Antimicrobial Stewardship
This course will provide students with additional education about antimicrobial stewardship. The primary objective of the course is to expand and deepen student knowledge of microbiology and pharmacotherapy gained from core curriculum courses, with an emphasis on clinical application within the antimicrobial stewardship context. The course will introduce students to the principles of antimicrobial stewardship to facilitate the rationale of selection of antimicrobial regimens, stewardship interventions, quality improvement methods, and program development, implementation and evaluation.
1 credits
In-Person

PHAR 316 — Research Methods, Evidence Based Practice and Literature Evaluation
The course will also introduce different types of fundamental study designs (e.g., RCT, Case-Control, and Cohort Studies) used in pharmacy and clinical research. Students will also read and analyze articles published in the medical literature and evaluate the statistical methodology being used. The second half of the course will have the student apply bio-statistical, research methods and clinical knowledge and principles, as well as drug information skills, in order to interpret the medical literature. A strong foundation in bio-statistical analyses will be required for successful completion of this course. Students will be expected to read, interpret, analyze and synthesize information published in medical and scientific literature. Interpretation of medical research and presenting the findings are a cornerstone of clinical pharmacy practice and will serve as an important component of their therapeutics courses and experiential rotations.
2 credits
In-Person

PHAR 317E — Elective: Advanced Cardiovascular Management
This course is designed to focus on important knowledge involving cardiovascular pharmacotherapy. The overall objective of the course is to emphasize the need for the student to provide clinical evidence to support drug therapy recommendations in the treatment of cardiovascular diseases during their clinical clerkships and future practice. By the conclusion of this course, the student will be able to cite data from clinical trials to justify their specific drug therapy recommendations for a variety of cardiovascular diseases such as ischemic heart disease (including unstable angina, chronic stable angina, acute coronary syndrome, heart failure, atrial fibrillation, hypertension, dyslipidemia and etc.).
1 credits
In-Person

PHAR 317EG — Nuclear Pharmacy Elective
This course will serve as an introduction to nuclear pharmacy practice. This course provides basic information about the profession of nuclear pharmacy, as well as an introduction to basic principles and concepts of radioactivity, radiation safety, and roles of a nuclear pharmacist.
1 credits
OnLine

PHAR 318G — Self Care and Holistic Wellness II
3 credits
In-Person

PHAR 319 — Integrated Safety and Toxicology
This course starts with an overview of patient safety topics. These topics include medication errors, reporting systems, and pharmacovigilance. This is followed by a discussion of general principles of toxicology and management of poisoning. The students will be introduced to the purpose and function of poison control centers, with emphasis on the role of the pharmacist. The top 5 categories of non-drug and drug-induced poisonings in the U.S. are based on the most recent AAPCC data report. These toxicities, prevention, assessment and their antidotes/treatment approaches are then discussed. Furthermore, bioterrorism agents and disaster preparedness topics are also presented
2 credits
In-Person

PHAR 319E — Elective: Pharmaceutical Marketing
In the current information age, pharmaceutical marketing is vastly different given the increasing presence of the internet & social media, company consolidation, and regulatory changes throughout the last decade. Not only have the number of blockbuster medications produced by Pharma decreased, but so has the presence of directed sales representatives in physician offices. Therefore, pharmaceutical and health care industry marketers must work harder and smarter to maximize every product's or service's potential. This course will examine the current pharmaceutical marketing environment from both an academic and practical perspective and give students the opportunity to gain a deeper understanding of the business and regulatory aspects of the pharmaceutical manufacturing industry
1 credits
In-Person

PHAR 320 — Pharmacy Law & Ethics
Federal and state laws and regulations which pertain to the practice of pharmacy in Georgia are presented in detail. General business law and liability issues which affect the practice of pharmacy will also be discussed. Finally, ethical issues as they relate to the practice of pharmacy, and healthcare delivery in general, are examined.
3 credits
In-Person

PHAR 321E — Elective: Managed Care & Leadership
This course prepares students with a deeper understanding of the needs and challenges of contemporary managed care and team-based health care delivery models. Pharmacy and pharmacist roles are growing rapidly, requiring pharmacist leaders in advancing value-based health care outcomes and maximizing patient care. Special emphasis will be placed on providing practical and real-world leadership strategies needed to interact effectively as a managed care team member
1 credits
In-Person

PHAR 322 — Population Health, and Pharmacoeconomics
This course introduces pharmacoeconomic theory, methods and applications, with students learning cost estimation, outcomes measurement, quality of life, and different types of pharmacoeconomic studies and analyses. The course would explore how to improve the health of populations while considering the cost-effectiveness of different interventions and treatments.
1 credits
In-Person

PHAR 323 — Basic & Clinical Pharmacokinetics
This course presents the general principles of pharmacokinetic models as they pertain primarily to the processes of absorption and elimination of drugs. Detailed mathematical models will be developed and utilized to determine the appropriate dose and dose interval based on patient specific data utilizing relevant examples throughout. Therapeutic monitoring of drug levels in the patient and adjustments in dosing based on monitoring will also be presented. This is followed by discussion of specific examples using drugs commonly dosed and monitored using detailed pharmacokinetic analysis.
3 credits
In-Person

PHAR 323E — Elective: Nuclear Pharmacy
This course will provide an overview of nuclear pharmacy including both PET and SPECT. The focus of the course will detail biology, physics, radiation safety, mathematical application to nuclear practices, regulatory bodies, guide to nuclear pharmacist licensing and practice, and good manufacturing practices.
1 credits
In-Person

PHAR 324 — Pharmacotherapy V
Pharmacotherapy V
3 credits
In-Person

PHAR 325 — Pharmacotherapy VI
Pharmacotherapy VI
3 credits
In-Person

PHAR 325E — Elective: Introduction to Medical Cannabis
In this elective course, students will examine the use and abuse of cannabis in our society from historical, biological, clinical, legal and regulatory issues perspectives. This course will cover aspects related to the medicinal use of cannabis. Students will become familiar with the topic of drug use and abuse through online elective lectures and participating in classroom group discussions. This course will help prepare students to practice in this changing setting.
1 credits
In-Person

PHAR 325EG — Advanced Diabetes Care Management
1, 1 credits
In-Person

PHAR 326 — Pharmacotherapy VII
Pharmacotherapy VII
3 credits
In-Person

PHAR 327 — Pharmacotherapy VIII
Pharmacotherapy VIII
3 credits
In-Person

PHAR 327EG — Antimicrobial Stewardship
1 credits
In-Person

PHAR 327G — Integrated Basic and Applied Pharmacokinetics
General principles of pharmacokinetic models are presented as they pertain primarily to the processes of absorption and elimination of drugs. Detailed mathematical models will be developed and utilized to determine the appropriate dose and dose interval based on patient-specific data utilizing relevant examples throughout. Therapeutic monitoring of drug levels in the patient and adjustments in dosing based on monitoring will also be presented. This is followed by discussion of specific examples using drugs commonly dosed and monitored using detailed pharmacokinetic analysis.
3 credits
In-Person

PHAR 333G — Advanced Pharmacotherapy I
Advanced Pharmacotherapy I
6 credits
In-Person

PHAR 334G — Advanced Pharmacotherapy II
Advanced Pharmacotherapy II
6 credits
In-Person

PHAR 340 — Professional Development V
The purpose of this course is to teach students how to consistently make effective and ethical decisions, students must understand our own values, strengths, and goals. Students will also gain valuable communication and conflict resolution skills, as well as tools for strategic decision-making.
.05 credits
In-Person

PHAR 340EG — Comprehensive Diabetes Management
1 credits
In-Person

PHAR 341 — Professional Development VI
This course also well equips to deal with conflict appropriately. The course focuses on several key skills necessary for resolving conflict. Students will learn about different conflict styles and methods for managing conflict, as well as how to generate helpful options.
.05 credits
In-Person

PHAR 341EG — Entrepreneurship Ambulatory Care Practice
1 credits
In-Person

PHAR 342EG — Advanced Cardio Management
1 credits
In-Person

PHAR 343EG — Chronic Disease Management
1 credits
In-Person

PHAR 344EG — Public Health in Ambulatory Care Management
1 credits
In-Person

PHAR 345 — Pharmacotherapy Case Studies III
This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality. The course will rely on role-playing and case studies to engage students' in the application of pharmacotherapy as it relates to patient care plans in an oral presentation format.
1 credits
In-Person

PHAR 345EG — Chronic Disease State Management
1 credits
In-Person

PHAR 346 — Pharmacotherapy Case Studies IV
This course is designed to increase competence in developing a well-designed and patient oriented pharmaceutical care plan. The pharmaceutical care plan is used to identify, prevent and resolve actual or potential drug related problems. This results in improved clinical outcomes, patient satisfaction and quality of life as well as a reduction in drug related morbidity and mortality. The course will rely on role-playing and case studies to engage students' in the application of pharmacotherapy as it relates to patient care plans in an oral presentation format.
1 credits
In-Person

PHAR 346EG — Pharmacy Management of Patient Social Determinates in Patient Care
1 credits
In-Person

PHAR 347EG — Advanced Oncology
1 credits
In-Person

PHAR 348E — Medical Education in Social Media
Social media has become an essential tool for healthcare professionals to engage with patients, promote wellness, and share valuable health information. This course is designed to equip healthcare providers with the knowledge and skills necessary to effectively use social media platforms to communicate health information to a broad audience. Students will explore various social media platforms (e.g., Facebook, Instagram, Twitter, LinkedIn) and learn how to create impactful, evidence-based content that complies with ethical standards and healthcare regulations. Topics will include patient education, brand building, crisis communication, and social media analytics. Emphasis will be placed on fostering patient trust, navigating privacy concerns, and maintaining professionalism in the online space.
1 credits
In-Person

PHAR 350EG — Emergency Medicine
1 credits
In-Person

PHAR 351EG — Opioid Stewardship Pain and Palliative Care
1 credits
In-Person

PHAR 352E — Special Topics in Internal Medicine
This course is designed to expose students to common disease states encountered in Internal Medicine. Special emphasis is placed on students' ability to independently learn pharmacotherapeutic topics. Complex disease states will focus on initiation, adjustment, and discontinuation of drug therapy, including, but not limited to acid/base disorders, cirrhosis, ADHF, and infectious diseases. Course Objectives 1. Apply drug knowledge from previous courses to appropriately evaluate a patient in the acute care setting to provide effective disease management. 2. Students will gain an understanding of the appropriate criteria for proper triage and/or medical referral of patients. 3. Students will gain an understanding of the appropriate procedures and criteria needed to screen, diagnose and evaluate the disease states reviewed in this course.
1 credits
In-Person

PHAR 353EG — Special Topics in Pediatrics
1 credits
In-Person

PHAR 354EG — Topics Discussions Considerations Pharmacy and Geriatrics
1 credits
In-Person

PHAR 355EG — Nutrition and Transplantation
1 credits
In-Person

PHAR 356 — Advanced Pharmacy Practice Experiences (APPE) Readiness I
This Course lays the groundwork for a successful transition from classroom-based learning to advanced experiential education. The course focuses on reinforcing core clinical knowledge, patient processes, and foundational skills necessary for experiential settings. Emphasis is placed on professionalism, communication, understanding expectations of APPE sites, drug information, and presentations.
1 credits
In-Person

PHAR 356EG — Seminar in Evidenced Based CC
1 credits
In-Person

PHAR 357 — Advanced Pharmacy Practice Experiences (APPE) Readiness II
This course builds on the foundational knowledge and skills from APPE Readiness Course I, with an aim at developing an understanding of the roles, responsibilities, and workflow of APPE settings. By the end of the course, students are expected to demonstrate readiness to contribute effectively as members of healthcare teams and deliver evidence-based, patient-centered care during APPEs.
2 credits
In-Person

PHAR 357EG — Psychiatry and Mental Health
1 credits
In-Person

PHAR 358EG — Medical Writing
1 credits
In-Person

PHAR 359E — Public Speaking for Pharmacists
This purpose of this course is to understand and apply (1) the basic principles of effective public speaking, (2) the principles of audience analysis and message preparation, and (3) critical listening skills as they apply to public speaking for pharmacists.
1 credits
In-Person

PHAR 360EG — Health Care Informatics
1 credits
In-Person

PHAR 361EG — Drug Pricing Contracts and Marketing
1 credits
In-Person

PHAR 362EG — Advanced Health Care Systems and Services
1 credits
In-Person

PHAR 364EG — Pharmacovigilance
1 credits
In-Person

PHAR 365EG — Entrepreneurship Community Pharmacy Management
1 credits
In-Person

PHAR 366EG — Form Management and Drug Utilization Review
1 credits
In-Person

PHAR 367EG — Leadership in MCO PCMH's and ACO's
1 credits
In-Person

PHAR 368EG — Pharmacoeconomics Modeling
1 credits
In-Person

PHAR 368G — Pharmacy Law and Ethics
Federal and state laws and regulations which pertain to the practice of pharmacy in Georgia are presented in detail. General business law and liability issues which affect the practice of pharmacy will also be discussed. Finally, ethical issues as they relate to the practice of pharmacy, and health care delivery in general, are examined.
3 credits
In-Person

PHAR 369EG — Drug Information in the Pharmacy Industry
1 credits
In-Person

PHAR 370E — Nutrition
A course designed to provide the student necessary information to educate patients about nutrition. The student will learn about macronutrients (protein, carbohydrates, and fats) and micronutrients to help ambulatory care patients live a healthy lifestyle.
1 credits
In-Person

PHAR 390EG — Introduction to Medical Cannabis
1 credits
In-Person

PHAR 399 — Milestone Progression Exam III
This milestone progression examination will be given at the end of the third professional year that will assess knowledge and skills acquired in the first three years of education at PCOM School of Pharmacy. Students must pass this examination to progress to the fourth professional year. The examinations include a comprehensive multiple-choice exam and a short answer calculation exam.
.05 credits
In-Person

PHAR 399G — Milestone Progression Exam III
A comprehensive examination will be given at the end of the third professional year that will assess knowledge and skills acquired in the first three years of education at PCOM School of Pharmacy. Students must pass this examination to progress to the fourth professional year. The examinations include a comprehensive multiple-choice exam and a short answer calculation exam.
.25 credits

PHAR 410G — Advanced Community Pharmacy
This Advanced Pharmacy Practice Experience (APPE) is designed for the students to obtain supervised professional experience as a community pharmacist. This advanced rotation exposes students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient- centered care.
5 credits

PHAR 420G — Advanced Health Systems Pharmacy
This Advanced Pharmacy Practice Experience (APPE) is designed for the students to obtain supervised professional experience in the functions of a staff pharmacist in an institutional pharmacy. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 430G — Advanced Ambulatory Care
This Advanced Pharmacy Practice Experience (APPE) is designed for the students to obtain supervised professional experience in the functions of a clinical pharmacist in the ambulatory care practice setting. Ambulatory care pharmacy is defined as “direct pharmaceutical care services provided to patients in an outpatient environment, exclusive of dispensing services.” This advanced rotation exposes students to ambulatory care workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 440G — Advanced Community Management
This Advanced Pharmacy Practice Experience (APPE) is designed for the students to obtain supervised professional experience in the managerial functions of a community pharmacist. This advanced rotation exposes students to leadership and managerial skills necessary in the community pharmacy workplace. This course helps students develop the requisite knowledge necessary to understand inventory control, profit and loss statements and human resource issues.
5 credits

PHAR 450G — Advanced Inpatient Acute Care and Diverse Populations
This Advanced Pharmacy Practice Experience (APPE) is designed for the students to obtain supervised professional experience in the functions of a clinical pharmacist in the acute care practice setting. Clinical intervention and the steps necessary to effectively execute those interventions will be a primary focus of this rotation. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient- centered care.
5 credits

PHAR 499A — Capstone I
A Capstone course (Comprehensive Examinations for the Fourth Year) is offered during the fourth professional year that will assess knowledge and skills acquired in the four years of education at PCOM School of Pharmacy. The course is designed to provide students with a comprehensive board review for NAPLEX. Students must complete this Capstone to graduate from the program.
1 credits
Hybrid

PHAR 499B — Capstone II
A Capstone course (Comprehensive Examinations for the Fourth Year) is offered during the fourth professional year that will assess knowledge and skills acquired in the four years of education at PCOM School of Pharmacy. The course is designed to provide students with a comprehensive board review for NAPLEX. Students must complete this Capstone to graduate from the program
1 credits
Hybrid

PHAR 499G — Capstone
A Capstone II (Comprehensive Examination Fourth Year) will be given at the end of the fourth professional year that will assess knowledge and skills acquired in the four years of education at PCOM School of Pharmacy. Students must pass this Capstone II to graduate from the program.
.25 credits

PHAR 501G — Academia
An elective experience designed to stimulate the interest of pharmacy students in academia and provide the student with an understanding of the functions and processes of teaching, service and scholarship. Students may be exposed to situations that will increase their understanding of the various responsibilities of a full-time faculty position in pharmacy education.
5 credits

PHAR 502G — Administrative Hospital
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the administrative duties of healthcare systems. Depending on the site, students may be exposed to situations that will increase their knowledge in the area of administrative, behavioral, economic and legal sciences. The role of the pharmacy director/manager will be a primary emphasis of this experience.
5 credits

PHAR 503G — Administrative Community
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the administrative duties of community pharmacy. Depending on the site, students may be exposed to situations that will increase their knowledge in administrative, behavioral, economic and legal sciences. The role of the manager will be a primary emphasis of this experience.
5 credits

PHAR 504G — Associations
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the management of national, regional or state pharmacy organizations. Depending on the site, the students may be exposed to situations that will increase their knowledge and understanding of the purpose, roles and responsibilities of pharmacy associations in the profession.
5 credits

PHAR 505G — Industry
An elective practice experience designed to enable the student to acquire general knowledge and high level of exposure to the pharmaceutical industry, with exposure to a variety of areas within the pharmaceutical industry.
5 credits

PHAR 506G — Regulatory Affairs
TBA
5 credits

PHAR 510 — Advanced Pharmacy Practice Experience (APPE) Community
Advanced community pharmacy experiences provide comprehensive, evidence-based, individualized, patient-centered care to a diverse population in the outpatient setting. Pharmacists are expected to be accountable for the patient's drug therapy outcomes and work collaboratively with other healthcare professionals. This experience is distinguished from introductory community pharmacy experiences through greater emphasis on direct patient care (e.g., administration of immunizations, health-related screenings, self-care, medication therapy management services, and collaborative practice), pharmacy operations management, and personnel management while still participating in patient counseling and distributive functions.
5 credits
In-Person

PHAR 510G — Community Pharmacy Ownership
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic fundamentals of owning and running an independent community pharmacy. This advanced rotation exposes students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 511 — Advanced Pharmacy Practice Experience (APPE) Instituition
Advanced institutional pharmacy experiences provide comprehensive, evidence-based, individualized, patient-centered care to a diverse population in the institutional health-system setting. Pharmacists are expected to be accountable for the patient's drug therapy outcomes and work collaboratively with other healthcare professionals. This experience is distinguished from introductory institutional pharmacy experiences through greater emphasis on broad-based operational duties, regulatory compliance, medication procurement, and formulary and personnel management while still participating in distributive functions (e.g. sterile and non-sterile compounding, dispensing technologies).
5 credits
In-Person

PHAR 511G — Pharmacy Benefit Manager
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic knowledge and a high level of exposure to a variety of activities conducted by a Pharmacy Benefit Manager. A PBM is an organization that manages the pharmaceutical benefits for managed care organizations, other medical providers or employers. Depending on the site, the student may be exposed to numerous activities to promote managed care principles, including benefit plan design, creation/administration of retail and mail service networks, claims processing, drug utilization review, formulary management, generic dispensing, prior authorization and/or disease and health management.
5 credits

PHAR 512 — Advanced Pharmacy Practice Experience (APPE) Ambulatory Care
Ambulatory care experiences provide evidence-based, patient-centered collaborative care in the outpatient setting to meet the medication management needs of patients in the treatment of chronic disease. These pharmacists promote health and wellness, disease prevention and education, and medication management of chronic illnesses such as diabetes, hypertension, coronary artery disease / dyslipidemia, asthma / chronic obstructive pulmonary disease, and heart failure. Other chronic diseases encountered by the ambulatory care pharmacist may include chronic kidney disease, chronic infectious diseases, and other chronic diseases responsive to infusion therapy that do not require hospitalization. Pharmacist delivered ambulatory care occurs in institutional health system-based clinics, community-based clinics, government-funded clinics, and managed care organizations as well as the community pharmacy setting where comparable care is provided.
5 credits
In-Person

PHAR 512G — Infomatics
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the history, language and concepts of information technology in the field of pharmacy. Depending on the site, students may be exposed to database management, automation and robotics, electronic prescribing, and health records.
5 credits

PHAR 513 — Advanced Pharmacy Practice Experience (APPE) Acute Care
Acute specialty care experiences provide comprehensive, evidence-based, individualized, patient- centered care in acute care (inpatient) settings. Pharmacists are expected to be accountable for the patient's drug therapy outcomes and practice as an integrated member of the inter-professional health care team.
5 credits
In-Person

PHAR 514G — Pharmacokinetics
An elective practice experience designed to enable the student to acquire skills and knowledge in the functioning of an established clinical pharmacokinetics practice and information on methods for establishing such a service. Expertise in calculations is expected from previous coursework. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 515G — Cardiology
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the pharmacotherapy of various cardiovascular disease states in a diverse patient population. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 516G — Nephrology
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the pharmacotherapy of a patient with various diseases of the kidney. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient- centered care.
5 credits

PHAR 517G — Mail Order Pharmacy
TBA
5 credits

PHAR 518G — Neonatal Intensive Care Unit
TBA
5 credits

PHAR 520G — Compounding
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the rationale for and the various techniques used in the extemporaneous compounding of pharmaceutical products. This advanced rotation exposes students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 521G — Drug Information
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the practice of basic drug information. Depending on the site, the students may be exposed to activities such as preparing formulary evaluations, writing pharmacy newsletters, working on special interest projects and enhancing their verbal and written communication skills.
5 credits

PHAR 522G — Medication Reconciliation
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the practice of medication reconciliation. Depending on the site, the student will be exposed to the process of comparing a patient's medication orders to all of the medications that the patient has been taking. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient centered care.
5 credits

PHAR 523G — Medication Therapy Management
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the pharmacist's role in providing Medication Therapy Management services. Depending on the site, the student will be trained to evaluate a patient's medication therapy, including drug interactions, duplications or omission of therapy. This advanced rotation exposes students to community pharmacy workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 524G — Medication Safety
TBA
5 credits

PHAR 525G — Anticoagulation
TBA
5 credits

PHAR 530G — Critical Care
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the pharmacotherapy of a critically ill patient in a hospital setting. The student will be exposed to various medication management strategies of various critical conditions.
5 credits

PHAR 532G — Home Health Care
TBA
5 credits

PHAR 533G — Long-Term Care
An elective practice experience designed to enable the student to acquire skills and knowledge regarding treatment of geriatric patients in a long term care facility. Depending on the site, students may be exposed to situations that will increase their ability to demonstrate empathy for the elderly and develop pharmaceutical care plans for various chronic disease states with consideration of various pharmacokinetic properties, dosing principles, and therapeutic drug monitoring parameters of geriatric patients in long term care facilities. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 534G — Managed Care
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the practice of clinical pharmacy in the managed care setting. Students will be exposed to pharmacy administration issues such as formulary development and management, therapeutic class reviews, pharmacoeconomics analysis, communication with patients, providers, and employer groups, counseling and participation in prior authorization process and other third-party reimbursement issues.
5 credits

PHAR 536G — Forensic Pharmacy
TBA
5 credits

PHAR 538G — Healthcare Business Management
TBA
5 credits

PHAR 541G — Infectious Disease
An elective practice experience designed to enable the student to acquire skills and knowledge regarding the pharmacotherapy of patients with various infectious diseases. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient- centered care.
5 credits

PHAR 543G — Nuclear
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic pharmaceutical care, radiopharmaceutical compounding, quality assurance, health physics and regulatory compliance.
5 credits

PHAR 544G — Nutritional Support
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic nutritional principles, nutritional assessment, and management of the patient requiring enteral and/or total parenteral nutrition support. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient- centered care.
5 credits

PHAR 545G — Oncology
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic clinical oncology pharmacy practice. Depending on the site, students may be exposed to situations that will enhance their understanding of pharmaceutical support to the inpatient/outpatient oncology service, including staging, treatment, dosing, monitoring, and supportive care issues. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 546G — Pediatrics
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic pharmacotherapy of pediatric patients with common childhood acute and chronic illnesses. Depending on the site, students may be exposed to different pharmacokinetic properties, dosing principles and therapeutic drug monitoring in children. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 547G — Poison Control
TBA
5 credits

PHAR 548G — Psychiatry
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic clinical pharmacotherapy of various psychiatric disorders of children, adolescents and/or adults. This advanced rotation exposes students to health care system workplaces with diverse patient populations, and helps students develop the requisite knowledge, skills, attitudes, and values for the provision of patient-centered care.
5 credits

PHAR 549G — Surgery
TBA
5 credits

PHAR 550G — Public Health
TBA
5 credits

PHAR 551G — Internal Medicine
TBA
5 credits

PHAR 553G — Investigating New Drug Services
TBA
5 credits

PHAR 554G — Veterinary Medicine
TBA
5 credits

PHAR 555G — Emergency Medicine
TBA
5 credits

PHAR 590G — Interdisciplinary
4 credits

PHAR 591G — Research
An elective practice experience designed to enable the student to acquire skills and knowledge regarding basic pharmacy-related research. Depending on the site, the student may observe and participate in various stages of ongoing research project(s), including conducting experiments, analyzing data.
5 credits

PHAR 592G — Specialty Pharmacy Practice
TBA
5 credits

PHAR 593G — Transition of Care
TBA
5 credits

PHAR 594G — Medical Cannabis Dispensary
TBA
5 credits

PHAR 595G — Inter-Professional Ambulatory Care
TBA
5 credits

PHAR 596G — Hematology
TBA
5 credits

PHAR 597G — Transplant Services
TBA
5 credits

PHAR 599G — Advanced Standing Credit
0 credits