Pharmaceutical Outcomes & Policy
Online Graduate Programs

Applied Pharmacoeconomics
Managed Care Pharmacy Systems
Patient Safety in Medication Use
Pharmaceutical Regulation
Find a New Direction for Your Career Through Graduate Education in Pharmaceutical Outcomes and Policy

The University of Florida offers flexible, online programs to help you advance your career. Ideal for working professionals and career changers, students in the online pharmaceutical outcomes & policy program can choose to complete a graduate certificate or an MS degree in one of four focus areas:

- Applied Pharmacoeconomics
- Managed Care Pharmacy Systems
- Patient Safety in Medication Use
- Pharmaceutical Regulation

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Thank you for your interest in our program. The Department of Pharmaceutical Outcomes and Policy includes a broad range of programs and resources, including a world-renowned residential PhD program and our growing online MS program with more than 100 students in 4 specialty tracks.

The Department’s focus in research and graduate training is centered on classic pharmacoeconomic and pharmacoepidemiologic work in areas such as drug safety and comparative effectiveness. Another focus area is on patient safety and policy studies related to medication use in a variety of health care settings including managed care.

Our expertise is translated into our MS program specialty tracks which have been developed for working professionals who would like to excel their career with focused graduate-level training. Because our residential and online curricula are closely aligned, our remote students can benefit from a rigorous training program that is provided by faculty with experience in academia, industry, and regulatory agencies. I invite you to visit our website to explore the tracks and meet our faculty and staff.

Dr. Almut Winterstein
Chair of Pharmaceutical Outcomes & Policy

"Message from the Chair"
Is This Program For You?

Designed primarily for working professionals, the online program provides the opportunity to further your education without putting the rest of your life on hold. Complete required readings, assignments and assessments on your own time, and participate in class discussion from anywhere with high-speed Internet access.

The majority of enrolled students are pharmacists or other health care professionals. However, a prior health care degree is not required since the program is non-clinical in focus. A variety of professionals can take advantage of this opportunity to diversify and enhance their skill sets.

How Does It Work?

Coursework is offered in accelerated 7-week academic terms, allowing students to focus intensively on one course at a time, and yet still complete up to 6 courses per year. Live, webinar-style discussion sessions are scheduled for evenings and weekends to accommodate most work schedules.

While graduate certificate students complete all their coursework online, MS program students visit campus for one or two weekend seminars and for a comprehensive final exam in their final term of study. Those wishing to minimize travel can usually complete the seminar and the final exam in the same visit.
Graduate Certificate Programs in Pharmaceutical Outcomes & Policy
You can begin your graduate coursework with a 13-15 credit graduate certificate in a specialized area of study. The GRE is not required for admission and 100% of the coursework is online. Students wishing to continue to the MS degree program may transfer all their satisfactory certificate credits toward the MS degree, if accepted.

Master of Science Degree in Pharmacy
Enhance your career by completing a 30-credit, non-thesis master's degree in as little as two years. Choose one of four specialty areas within the concentration in pharmaceutical outcomes and policy, and tailor your coursework to your specific interests and career goals. Students interested in business administration can take advantage of a unique partnership between Stetson University and the UF College of Pharmacy. Through this partnership, students can concurrently enroll in the UF MS program and the Stetson MBA program, and earn both degrees in as little as three years, all while working full-time.
Graduate Certificate (14 credits) or MS degree specialty area (30 credits)

Applied pharmacoeconomics is a field that utilizes a combination of tools and methodologies to evaluate and compare the value of one drug or therapy to another and provide scientifically grounded data to assist in optimal allocation of health care resources. Students will learn to critique and apply pharmacoeconomic methods as they relate to cost-minimization, effectiveness, utility, and benefit to improve clinical decision-making. Graduates of the program may participate in a team effort to design and evaluate interventions to improve clinical, economic and humanistic outcomes within a health system, as well as other settings including the pharmaceutical industry.

Coursework includes:

- Commercial Applications of Pharmacoeconomic Principles
- Pharmacoeconomic Modeling
- Pharmaceutical Microeconomics
- Pharmaceutical Health Economics
- Pharmaceutical Data Management
Managed Care Pharmacy Systems

Graduate Certificate (14 credits) or MS degree specialty area (30 credits)

The managed care track offers students an in-depth understanding of managed care principles, structure, financing, and program management strategies common in all health insurance programs. Curriculum is focused around prescription drug benefit management of Medicare, Medicaid, employer, commercial, and the Insurance Exchanges, as well as emerging delivery and reimbursement systems, such as Accountable Care Organizations. Coursework focuses on subjects such as benefit design, pharmaco economics, drug comparative effectiveness, formulary management, pharmacy distribution channels, pharmaceutical contracting, quality and drug safety, specialty pharmacy management, public policy, and benefit trends and costs.

Coursework includes:
- Pharmacy Benefit Design & Management
- Managed Prescription Drug Systems
- Pharmaceutical Health Economics
- Pharmacoeconomic Modeling
- Commercial Applications of Pharmacoeconomic Principles
Patient Safety in Medication Use

Graduate Certificate (13 credits) or MS Degree specialty area (30 credits)

This track focuses on the minimization or prevention of potentially preventable adverse medication events that cause harm to patients. Intended primarily for pharmacists and other clinicians familiar with the drug use system, the curriculum is designed to focus on competencies and skills needed by those acting as patient safety officers or risk managers in health systems or clinical operations.

Students in this program will learn about the medication use system, ethical considerations, patient safety from the patient and system perspective, how to evaluate safety measures and established methods to minimize the risks of patient harm, and the role of technology in improving safety.

Coursework includes:

- Health Care and Patient Safety
- Health Care Risk Management
- Patient Safety Program Evaluation
- Preventing Medication Errors
- Medication Safety and Technology
Graduate Certificate (13 credits) or MS Degree specialty area (30 credits)

The curriculum in the pharmaceutical regulation track is designed to give students a firm grounding in the regulatory framework around the manufacture, distribution, dispensing, and use of pharmaceutical products, and place pharmaceuticals in a larger context of health care. Students explore the roles of regulation, and the responsibilities of the regulated and regulator, and delve into the complexities and challenges facing health care. Upon completion of the program, students will have training that may qualify them for a career in drug regulation and oversight, governmental affairs, health care benefits administration, or pharmaceutical administration.

Coursework includes:

- Structure Process & Outcomes of Regulation I and II
- Federal Regulation of Drugs & Pharmacy
- Federal Regulation of Controlled Substances
- State Regulation of Drugs & Pharmacy
- Practices & Procedures of Administrative Agencies
Since 2000, the UF College of Pharmacy has developed unique master’s programs using distance learning technologies. Working professionals everywhere can access high-quality education in many pharmacy disciplines. Our graduate programs include the Working Professional Pharm.D. program and M.S. degree programs in forensic sciences, pharmaceutical chemistry, clinical toxicology, pharmaceutical outcomes and policy, medication therapy management and clinical pharmacy for international pharmacists. The online programs are among the largest and most successful in the world, having received three national awards for excellence in distance education.

The University of Florida is ranked 14th nationally among public institutions. The College of Pharmacy is ranked 9th nationally among Colleges of Pharmacy and has 11,000 alumni living in all 50 states.