

# MS in Health Informatics/Doctor of Pharmacy

## Admission Requirements

To be admitted to the joint program, a student must meet the admissions criteria of each individual degree program. Students are considered for admission to the PharmD program with a minimum of 62 semester hours of accrued undergraduate credit; however, the MS in Health Informatics requires an earned bachelor's degree. For students who apply to the PharmD without a baccalaureate degree, the program provides a course planner showing the sequence of course work that meets the intent of the previously earned bachelor's degree admissions requirement for the MS. Students will be permitted to take BHIS 460, available to upper-level undergraduate students, in the fall of their second year in the PharmD curriculum. They will be accepted to the MS in Health Informatics the spring of their second year, at the point in the PharmD curriculum in which they will have accrued 128 semester hours—the baccalaureate equivalent.

## Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 153–157.
- **Course Work**

Code	Title	Hours
<b>Core Courses in Pharmacy</b>		
PHAR 410	Integrated Physiology	
PHAR 411	Introduction Pharmacy Practice	
PHAR 412	Introductory Pharmacy Practice (IPPE): Community	
PHAR 413	Introductory Pharmacy Practice Experience (IPPE): Hospital	
PHAR 414	Introductory Pharmacy Practice (IPPE): Introduction to Patient Care	
PHAR 422	Fundamentals of Drug Action	
PHAR 423	Biomedical Chemistry	
PHAR 431	Pharmaceutics I - Pharmaceutics Principles, Drug Delivery Systems, and Calculations	
PHAR 432	Pharmaceutics II – Pharmaceutical Dosage Forms and Calculations	
PHAR 433	Pharmaceutics III – Complex Dosage Forms and Calculations	
PHAR 434	Pharmaceutics IV – Drug Delivery Systems Design and Calculations Competency	
PHAR 435	Pharmacokinetics	
PHAR 438	Introduction to Drug Information	
PHAR 439	Pharmacoepidemiology and Biostatistical Reasoning	
PHAR 440	Evidence-Based Medicine	

PHAR 461	Pharmacy and the U.S. Healthcare System
PHAR 462	Social and Behavioral Pharmacy
PHAR 463	Personal and Professional Development
PHAR 464	Patient Safety
PHAR 465	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 1
PHAR 466	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 2
PHAR 467	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 3
PHAR 468	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 4
PHAR 469	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 5
PHAR 470	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 6
PHAR 471	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 7
PHAR 472	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 8
PHAR 501	Pathophysiology, Drug Action, and Therapeutics (PDAT) 1: Self Care
PHAR 502	Pathophysiology, Drug Action, and Therapeutics (PDAT) 2: GI/Endocrine
PHAR 503	Pathophysiology, Drug Action, and Therapeutics (PDAT) 3: Renal, Electrolytes, and Nutrition
PHAR 504	Pathophysiology, Drug Action, and Therapeutics (PDAT) 4: Immunology/Respiratory
PHAR 505	Pathophysiology, Drug Action, and Therapeutics (PDAT) 5: Cardiovascular
PHAR 506	Pathophysiology, Drug Action, and Therapeutics (PDAT) 6: Infectious Diseases
PHAR 507	Pathophysiology, Drug Action, and Therapeutics (PDAT) 7: Neurology, Psychiatry, and Pain
PHAR 508	Pathophysiology, Drug Action, and Therapeutics (PDAT) 8: Special Topics
PHAR 509	Pathophysiology, Drug Action, and Therapeutics (PDAT) 9: Hematology and Oncology
PHAR 510	Pathophysiology, Drug Action, and Therapeutics (PDAT) 10: Advanced Disease Management
PHAR 515	Patient Care: Institutional/Hospital

PHAR 516	Patient Care: Ambulatory Care/ Community
PHAR 520	Applied Pharmaceutics, Pharmacokinetics, and Pharmacogenomics
PHAR 565	Pharmacoeconomics and Payment
PHAR 566	Management and Informatics
PHAR 567	Pharmacy Law and Ethics

#### Clerkship Courses in Pharmacy

28 hours

#### Core Courses in Health Informatics

BHIS 437	Health Care Data
BHIS 499	Information Sources in Biomedical & Health Information Sciences
BHIS 503	Communication Skills in Health Informatics
BHIS 505	Ethics and Legal Issues in Health Informatics
BHIS 510	Health Care Information Systems
BHIS 515	Management of Health Care Communication Systems
BHIS 520	Health Information Systems Analysis and Design
BHIS 525	Social and Organizational Issues in Health Informatics
BHIS 593	Health Informatics Capstone Experience

- **Thesis, Project, or Course-Work-Only Option** Thesis or project. No other options are available.