

MSPS in Health Outcomes and Socioeconomic Sciences
College of Pharmacy and Pharmaceutical Sciences
The University of Toledo

Outcomes Research Track
 Pharmacoconomics Track
 Social Behavior Sciences Track
 Business Administration Track
 #Clinical Science Track

Fall 1	Credit Hours
PHPR 5260 Pharmacy & Healthcare Administration I* (Core course)	2
PHPR 6600 Seminar in Administrative Pharmacy (Core course)	1
PUBH 6000 Biostatistics (Core course)	3
Track Course 1 or equivalent if approved by major advisor	3
Total	9

Spring 1	Credit Hours
PHPR 5610 Pharmacoconomics and Outcomes Research I (Core course)	2
PHPR 6530 Research Methods in Pharmacy Practice (Core course)	2
PUBH 6060 Advanced Biostatistics (Core course)	3
PHPR 6960 M.S. Thesis Research in Pharmacy (Core course)	2
Total Semester	9

Summer 1	Credit Hours
PHPR 6960 M.S. Thesis Research in Pharmacy (Core course)	3
PHPR 5590 Readings in Healthcare Access & Cultural Competence (Core course)	2
Total	5

Fall 2	Credit Hours
PHPR 6520 Analysis of the Pharmaceutical Environment (Core course)	2
Track Course 2 or equivalent if approved by major advisor	3
Track Course 3 or equivalent if approved by major advisor	3
PHPR 6600 Seminar in Administrative Pharmacy (Core course)	1
Total	9

Spring 2	Credit Hours
PHPR 6960 M.S. Thesis Research in Pharmacy (Core course)	1
Total	1

Tracks 1-4: 33 credit hours required for graduation (includes 6 credit hours of thesis research)

#Clinical Track: 30 credit hours required for graduation (includes 6 credit hours of thesis research).

Courses waived for the clinical track include (PHPR 5260 and 1 credit of PHPR 6600). Students in this track must have completed the following undergraduate courses or an equivalent course (approved by their advisor): PHPR 3260 and PHPR 4520

NOTE: The semesters in which these courses are taken may vary

A minimum of 6 thesis credit hours are required, however a student may need to take additional thesis credits, as determined by their major advisor.

HOSS Track and Track Courses

Choose 3 courses (9 credit hours) within the track options. These should be approved by your major advisor.

1. Business Administration

- BUAD 6100 Accounting for Strategic Decisions 3Cr
- BUAD 6200 Financial Systems 3Cr
- BUAD 6300 Strategic Marketing & Analysis 3Cr
- BUAD 6500 International Business 3Cr
- PHPR 5520 Pharmaceutical Marketing & Management 3Cr

2. Outcomes Research

- PUBH 6010 Public Health Epidemiology 3Cr
- PUBH 6030 Advanced Epidemiology 3Cr
- PUBH 6110 Categorical Data Analysis 3Cr
- PUBH 6460 Health Promotion Programs 3Cr
- PUBH 6600 Health Behavior 3Cr
- PHPR 6280 Medication Therapy and Disease State Management 2Cr

3. Pharmacoeconomics

- PHPR 5620 Pharmacoeconomics and Outcomes Research II *Required* 3Cr
- ECON 5750 Health Economics 3Cr
- ECON 5810 Econometrics Models and Methods I 4Cr
- ECON 5820 Econometrics Models and Methods II 3Cr
- PUBH 6110 Categorical Data Analysis 3Cr
- PUBH 6010 Public Health Epidemiology 3Cr

4. Social Behavior Sciences

- PUBH 6460 Health Promotion Programs 3Cr
- PUBH 6600 Health Behavior 3Cr
- RESM 6220 Measurement I 3Cr
- PHPR 5520 Pharmaceutical Marketing & Management 3Cr
- PHPR 6280 Medication Therapy and Disease State Management 2Cr

5. Clinical Science

- PUBH 6460 Health Promotion Programs 3Cr
- PUBH 6600 Health Behavior 3Cr
- RESM 6220 Measurement I 3Cr
- PUBH 6110 Categorical Data Analysis 3Cr
- PUBH 6010 Public Health Epidemiology 3Cr