

# DOCTOR OF PHARMACY / MASTER OF PUBLIC ADMINISTRATION

Students may earn a Master in Public Administration through a joint program established in cooperation with the Zimpleman College of Business. Students are admitted to the College of Pharmacy and Health Sciences, and during their first professional year may seek admission to the M.P.A. program. Students who pursue this option have management and administrative opportunities in the public sector.

Code	Title	Hours
BIO 012 & 012L	GENERAL/PRE-PROFESSIONAL BIOLOGY I and GENERAL/PRE-PROFESSIONAL BIOLOGY I LAB	4
BIO 095	MEDICAL MICROBIOLOGY	3
CHEM 001 & CHEM 003	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LAB	4
CHEM 002 & CHEM 004	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LAB	4
CHEM 097 & CHEM 098	ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY I LAB	4
CHEM 108 & CHEM 110	ORGANIC CHEMISTRY II and ORGANIC CHEMISTRY II LAB	4
ENG 052	PUBLIC VOICES	3
FYS 0--	First Year Seminar	3
HSCI 060	STATISTICS IN HEALTH SCIENCES	3
HSCI 141 & 141L	HUMAN ANATOMY and HUMAN ANATOMY LAB	4
MATH 050	CALCULUS I	3
MPA 2--	MPA Courses	27
PHAR 011	CAREER, ACADEMIC, AND PROFESSIONAL SUCCESS (CAPS) I: COLLEGE CONNECTIONS	1
PHAR 031	CAREER, ACADEMIC, AND PROFESSIONAL SUCCESS (CAPS) II: COMMUNITY CONNECTIONS	1
PHAR 051	CAREER, ACADEMIC, AND PROFESSIONAL SUCCESS (CAPS) III: PROFESSIONAL CONNECTIONS	0.5
PHAR 071	CAREER, ACADEMIC, AND PROFESSIONAL SUCCESS (CAPS) IV: CAREER CONNECTIONS	0.5
PHAR 122	CONTINUING PROFESSIONAL DEVELOPMENT I	1
PHAR 123	CONTINUING PROFESSIONAL DEVELOPMENT II	1
PHAR 125	PHYSIOLOGY	4
PHAR 130	BIOCHEMISTRY	4
PHAR 131	INTRODUCTION TO PHARM SCIENCES	3
PHAR 132 & 132D	PATHOPHYSIOLOGY and PATHOPHYSIOLOGY DISCUSSION	4
PHAR 133 & 133D	PRINCIPLES OF DRUG ACTION I and PRINCIPLES OF DRUG ACTION I DISCUSSION	5
PHAR 134 & 134D	PRINCIPLES OF DRUG ACTION II and PRINCIPLES OF DRUG ACTION II DISCUSSION	5
PHAR 135 & 135D	PRINCIPLES OF DRUG ACTION III and PRINCIPLES OF DRUG ACTION III DISCUSSION	4

PHAR 138	PHARMACEUTICAL CALCULATIONS	2
PHAR 140	PHARMACEUTICS I	2
PHAR 141	PHARMACEUTICS II	3
PHAR 142	BASIC PHARMACOKINETICS	3
PHAR 143	THERAPEUTIC DRUG MONITORING	2
PHAR 144	BASIC PHARMACY SKILLS AND APPLICATIONS I	2
PHAR 145	BASIC PHARMACY SKILLS AND APPLICATIONS II	2
PHAR 149	IMMUNIZATIONS	1
PHAR 154	INTERMEDIATE PHARMACY SKILLS AND APPLICATIONS I	2
PHAR 155	INTERMEDIATE PHARMACY SKILLS AND APPLICATIONS II	2
PHAR 162	PHARMACY LAW AND ETHICS	3
PHAR 167	CONTINUING PROFESSIONAL DEVELOPMENT III	1.5
PHAR 168	CONTINUING PROFESSIONAL DEVELOPMENT IV	1.5
PHAR 169	SELF CARE AND NON-PRESCRIPTION THERAPIES	3
PHAR 171	HEALTH CARE SYSTEMS AND POLICIES	3
PHAR 172	LITERATURE IN EVALUATION METHODS	3
PHAR 173	APPLIED SOCIAL AND ADMINISTRATIVE PHARMACY	3
PHAR 174	MANAGEMENT IN PHARMACY	3
PHAR 175	CONTINUING PROFESSIONAL DEVELOPMENT V	2
PHAR 176	CONTINUING PROFESSIONAL DEVELOPMENT VI	2
PHAR 184	ADVANCED PHARMACY SKILLS AND APPLICATIONS I	2
PHAR 185	ADVANCED PHARMACY SKILLS AND APPLICATIONS II	2
PHAR 190	THERAPEUTICS I	3
PHAR 191	THERAPEUTICS II	5
PHAR 192	THERAPEUTICS III	5
PHAR 285	EXPERIENTIAL ROTATION BLOCK	22
PHAR 285	EXPERIENTIAL ROTATION BLOCK	18
General Electives		20
Written Communication AOI		3
<b>Total Hours</b>		<b>226</b>

A total of 210 credits are required to complete the Doctor of Pharmacy degree.

## General Electives:

Students complete the Drake Curriculum requirements and other credits for a total of 20 credits. Drake Curriculum requirements not fulfilled through required coursework are the Artistic Literacy, Historical Foundations, and Global and Cultural Understanding AOIs. MPA coursework will count towards the general elective requirement.

## Professional Electives:

Five (5) professional elective credits are satisfied by MPA coursework.

Students may enroll in additional summer coursework or complete final MPA courses after PharmD completion. If the dual curriculum requires more than 18 credits in the fall or spring semesters, a credit fee waiver will be requested on the student's behalf. If students wish to take beyond the required credits for the semester, they must request an "Over 18 Hours Request Form," which can be found in the Forms Library, and the additional course work will not qualify for an overload fee waiver.

Students in the combined program also complete two electives of three credits each. Students who wish to complete an M.P.A. area of emphasis should visit with an M.P.A. advisor, as this requires additional coursework.