

DOCTOR OF PHARMACY / MASTER OF PUBLIC HEALTH (DES MOINES UNIVERSITY)

Designed to maximize graduates' opportunities in the public and non-profit sectors, the Pharm.D./M.P.H. allows students the opportunity to complete M.P.H. course work in place of elective course work within the pharmacy curriculum. Students begin at Drake in pharmacy and apply to the Des Moines University Master of Public Health during the fall semester of the second professional (P2) year. The combined degree program typically takes an extra semester to complete beyond the pharmacy degree, rather than an extra two years if the two programs were completed individually. Students who wish to complete both degrees in six years will complete M.P.H. courses during the summer sessions.

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
MPH 2--	DMU MPH Courses	12
MPH 6--	DMU MPH Courses	15
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
Total Hours		226

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. MPH coursework will count towards the general elective requirement.

Professional Electives:

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

Professional electives required by the Pharm.D. program (5 credit hours) will be fulfilled by DMU M.P.H. course work.

Students will typically apply for admission to the M.P.H. program during the fall of the P2 year or after completion of 116 credits. The admission process and criteria are listed on the DMU M.P.H. program web site (<http://www.dmu.edu/mph/>). Pharm.D. students are also required to include a letter of support from the Drake University CPHS Dean's Office or their academic advisor. PharmD students who have completed the PCAT are not required to complete the GRE.

M.P.H. courses fulfilled by the PharmD course work (credit given following the completion of the Pharm.D. degree):

- MPH 657 – Survey of Human Health – 3 credits
- Electives
- PHAR 171 HEALTH CARE SYSTEMS AND POLICIES and PHAR 172 LITERATURE IN EVALUATION METHODS will be transferred in upon successful completion to meet 6 hours of elective credit for the M.P.H. degree.
- MPH 658 – Internship: PHAR 285 EXPERIENTIAL ROTATION BLOCK (Clinical Rotations) can be taken as the M.P.H. internship (all MPH internship requirements must be met and the site and preceptor approved by the DMU internship coordinator) Note – students must have completed or received credit for 24 credit hours of their M.P.H. program of study to be eligible to take the M.P.H. internship.

Students may enroll in additional summer coursework while taking their Pharm.D. and may complete final M.P.H. courses after PharmD completion. A 7 year time limit for completing the M.P.H. degree from the date of admission to the M.P.H. program.

Students completing DMU course work are responsible for paying tuition for the M.P.H. courses they take at DMU.

- Elective Courses
 - *PHAR 171 HEALTH CARE SYSTEMS AND POLICIES Elective (Social and Administrative Pharmacy) - May be transferred in as elective credit) - 3 cr.
 - *PHAR 172 LITERATURE IN EVALUATION METHODS Elective (Literature Evaluation Methods) - May be transferred in as elective credit - 3 cr.
 - Total Semester Hours of Electives: 6 cr.
- TOTAL SEMESTER HOURS: 45 cr.

All M.P.H. courses are offered online at least once/year.

Council on Education for Public Health accreditation: The master of public health program at Des Moines University holds programmatic accreditation through the Council on Education for Public Health. This programmatic accreditation is above and beyond the University's accreditation through NCA, and shows a commitment to providing the highest quality education and adhering to the highest standards for operating a M.P.H. program. CEPH requires that accredited programs emphasize three areas equally: teaching, research and service.