

# DOCTOR OF PHARMACY / MASTER OF BUSINESS ADMINISTRATION

Students may earn a Master in Business Administration in conjunction with the Pharm.D. Students who pursue this combination have opportunities in management and administrative positions. This program requires a careful selection of prerequisite courses for the M.B.A. degree as electives in the pharmacy curriculum. Students start at Drake in pharmacy and apply to the Zimbleman College of Business after completing the foundation courses. The combined degree program typically takes an extra semester to complete beyond the pharmacy degree, rather than an extra two years.

| Code                   | Title                                                                                 | Hours |
|------------------------|---------------------------------------------------------------------------------------|-------|
| BIO 012<br>& 012L      | GENERAL/PRE-PROFESSIONAL BIOLOGY I<br>and GENERAL/PRE-PROFESSIONAL BIOLOGY I<br>LAB   | 4     |
| BIO 095                | MEDICAL MICROBIOLOGY                                                                  | 3     |
| CHEM 001<br>& CHEM 003 | GENERAL CHEMISTRY I<br>and GENERAL CHEMISTRY I LAB                                    | 4     |
| CHEM 002<br>& CHEM 004 | GENERAL CHEMISTRY II<br>and GENERAL CHEMISTRY II LAB                                  | 4     |
| CHEM 097<br>& CHEM 098 | ORGANIC CHEMISTRY I<br>and ORGANIC CHEMISTRY I LAB                                    | 4     |
| CHEM 108<br>& CHEM 110 | ORGANIC CHEMISTRY II<br>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<br>& 141L     | HUMAN ANATOMY<br>and HUMAN ANATOMY LAB                                                | 4     |
| MATH 050               | CALCULUS I                                                                            | 3     |
| MBA 2XX - MBA Courses  |                                                                                       | 27    |
| PHAR 011               | CAREER, ACADEMIC, AND PROFESSIONAL<br>SUCCESS (CAPS) I: COLLEGE CONNECTIONS           | 1     |
| PHAR 031               | CAREER, ACADEMIC, AND PROFESSIONAL<br>SUCCESS (CAPS) II: COMMUNITY CONNECTIONS        | 1     |
| PHAR 051               | CAREER, ACADEMIC, AND PROFESSIONAL<br>SUCCESS (CAPS) III: PROFESSIONAL<br>CONNECTIONS | 0.5   |
| PHAR 071               | CAREER, ACADEMIC, AND PROFESSIONAL<br>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<br>& 132D     | PATHOPHYSIOLOGY<br>and PATHOPHYSIOLOGY DISCUSSION                                     | 4     |
| PHAR 133<br>& 133D     | PRINCIPLES OF DRUG ACTION I<br>and PRINCIPLES OF DRUG ACTION I DISCUSSION             | 5     |
| PHAR 134<br>& 134D     | PRINCIPLES OF DRUG ACTION II<br>and PRINCIPLES OF DRUG ACTION II DISCUSSION           | 5     |

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| PHAR 135<br>& 135D        | PRINCIPLES OF DRUG ACTION III<br>and PRINCIPLES OF DRUG ACTION III<br>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<br>APPLICATIONS I                               | 2          |
| PHAR 155                  | INTERMEDIATE PHARMACY SKILLS AND<br>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<br>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<br>APPLICATIONS I                                   | 2          |
| PHAR 185                  | ADVANCED PHARMACY SKILLS AND<br>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> |

## Optional summer coursework

Students who wish to complete both degrees in the four professional years will need to plan to complete M.B.A. courses during the summer sessions. This program requires a careful selection of courses for the M.B.A. degree as electives in the pharmacy curriculum. Students may enroll in additional summer coursework or complete final M.B.A. courses after Pharm.D. completion. If the dual curriculum requires more than 18 credit hours 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 credit hours for the semester, they will need to request an "Over 18 Hours Request Form," which can be found in the CPHS Forms Library, and the additional course work will not qualify for an overload fee waiver.

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 AOs. MBA coursework will count towards the general elective requirement.

### **Professional Electives:**

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

Students must complete the GMAT and be admitted to the M.B.A. program prior to enrolling in M.B.A. courses. Following completion of 90 credit hours and admission into the M.B.A. program, students may enroll in M.B.A. course work.