

# PharmD/MBA Dual Degree MBA Program Plan of Study

Common Body of Knowledge (18 hours)*		Hours	Semester Taken	Grade
ACCT 5000	Financial & Managerial Accounting	3		
FINA 5310	Managerial Finance	3		
FINA 5210	Economics for Business Decisions	3		
MKTG 5410	Marketing Systems	3		
OSCM 5510	Applied Business Statistics	3		
OSCM 5520	Analysis of Manufacturing & Service Systems	3		
<i>*May substitute MBA/undergraduate equivalent courses as outlined</i>				
MBA Core Courses (24 hours)		Hours	Semester Taken	Grade
BUAD 6100	Accounting for Decision-Making	3		
BUAD 6200	Corporate Finance	3		
BUAD 6300	Strategic Marketing & Analysis	3		
BUAD 6400	Results-Based Management	3		
BUAD 6500	International Business	3		
BUAD 6600	Supply Chain Management	3		
BUAD 6800	Information Technology & E-Business	3		
BUAD 6900	Strategic Management Capstone	3		
Elective Courses (minimum of 9 hours at the 6000-level)		Hours	Semester Taken	Grade

## MBA/Undergraduate Equivalents

Common Body of Knowledge (18 hours)		Hours	UT Undergrad Equivalent w/ min grade of "C"
ACCT 5000	Financial & Managerial Accounting	3	BUAD 2040 Financial Accounting Information & BUAD 2050 Accounting for Business Decisions <b>or</b> ACTG 1040 Financial Accounting & ACTG 1050 Managerial Accounting
FINA 5310	Managerial Finance	3	BUAD 3040 Principles of Financial Management
FINA 5210	Economics for Business Decisions	3	ECON 1150 Principles of Macroeconomics & ECON 1200 Principles of Microeconomics
MKTG 5410	Marketing Systems	3	BUAD 3010 Principles of Marketing
OSCM 5510	Applied Business Statistics	3	BUAD 2060 Data Analysis for Business <b>or</b> MATH 2600 Intro to Statistics <b>or</b> PHPR 4530 or PHPR 4540 Evidence Based Pharmacy Practice I and II <b>or</b> any other Statistics I equivalent course
OSCM 5520	Analysis of Manufacturing & Service Systems	3	BUAD 3020 Principles of Manufacturing & Service Systems

### Advising Discussion Points

- The coursework for both programs can be completed in the 6 calendar years of the PharmD program
- Once a student is admitted and enrolls into the MBA program the common body of knowledge courses must be taken at the graduate level (5000 level). MBA students are not permitted to enroll in and apply undergraduate level courses toward the MBA degree requirements.
- To complete the Undergraduate Equivalent Courses, a student would take 6 more courses
  - These courses are usually offered fall, spring and summer semesters
  - Up to 7 credits can be taken pass/no credit and can be applied to the business courses, English composition, humanities/fine arts, diversity studies and social sciences
- If a student is interested in declaring a business minor, they **MUST** meet with one of the COBI Undergraduate advisors to complete necessary paperwork
  - Students would need one additional computer course and one additional business minor course to meet the business minor requirement
- The 5000-6000 level business courses fulfill the 7 credits of graduate elective requirement for the PharmD program
- The 6000 level BUAD courses can be taken over the summers between P2 & P3 and P3 & P4 years
- The 9 hours of elective course work will be fulfilled by 3 APPE rotations from the Management and Administration Track (12 credits)
- The admission process for the PharmD/MBA will require that students apply to each program separately
- More specifically, students will apply and be required to meet the admission requirements of the MBA program as administered by the COBI, and the same students will be required to apply and meet the admission requirements of the PharmD program as administered by the CPPS
- PharmD students take the Pharmacy College Admission Test (PCAT), and that would be accepted by the MBA program in lieu of the GMAT. One of these 2 examinations must be completed for application unless the student has qualified for a waiver based on the current waiver procedure eligibility requirements.

## MBA Admissions Procedures

For admission to the program, The University of Toledo MBA program requires a 2.7 undergraduate GPA on a 4.0 scale and a score of 450 on the Graduate Management Admissions Test (GMAT) with a minimum score of 20 in both the verbal and quantitative sections or a minimum score of 30<sup>th</sup> percentile on the PCAT for those in the PharmD/MBA Dual Degree Program.

**ALL APPLICANTS** must submit the following documents to the College of Graduate Studies:

- [Online application for graduate admission.](#)
- \$45 non-refundable application fee.
- Typed Statement of Purpose (1-2 pages is fine).
- Official transcript from each collegiate institution attended other than The University of Toledo.
- [Graduate Management Admission Test \(GMAT\)](#) results. Test results must be from within the last 5 years. Official scores must be sent directly from the Educational Testing Service to the College of Graduate Studies. UT students with a GPA of at least 3.0 can contact the COBI Graduate Programs Office to determine if a GMAT waiver is possible.
- [One Letter of Recommendation.](#) Recommendations can be provided by individuals who know you from an academic background or professional working relationship. Recommendations from friends or family members are unacceptable and will not be reviewed.

## Suggested Curriculum for the PharmD/MBA Dual Degree Program

The curriculum as outlined in the current catalog is subject to modifications with immediate implementation to keep pace with changing trends in pharmaceutical education and in accordance with accreditation standards.

### P1 Year

#### Fall Semester (18 credits)

MBC 3310 Medicinal Chemistry I.....	2
MBC 3550 Physiological Chemistry I.....	3
PHCL 3700 Pharmacology I.....	3
PHPR 3000 Pharmaceutics and Dosage Form Design.....	5
PHPR 3050 Interprofessional Approach to Patient Care.....	1
PHPR 3300 Commonly Prescribed Meds and Med Term 1..	1
PHPR 3450 Pharmacy Skills Development-1.....	2
PHPR 3920 IPPE-1 .....	1

#### Spring Semester (18 credits)

MBC 3552 Physiological Chemistry II .....	2
MBC 3860 Microbiology with lab.....	2
PHM 3100 Cardiology I Hypertension and Hyperlipidemia..	2
PHM 3120 Diabetes Endocrine.....	3
PHPR 3060 Introduction to Patient Care.....	1
PHPR 3250 Introduction to Self Care .....	1
PHPR 3310 Introduction to Pharmacy Law.....	1
PHPR 3460 Pharmacy Skills Development-2.....	2
PHPR 3470 Pharmacokinetics.....	3
PHPR 3930 IPPE-2.....	1

#### Optional summer for pre-MBA (15 credits)

**ECON 1150 Principles of Macroeconomics**

**BUAD 2040 Financial Accounting Information**

**BUAD 2050 Accounting for Business Decisions**

**BUAD 3010 Principles of Marketing**

**BUAD 3020 Principles of Manufacturing & Service Systems**

### P2 Year

#### Fall Semester (17 credits)

PHM 4010 Immunology.....	3
PHM 4030 Infectious Diseases.....	4
PHPR 4220 Medication Therapy Management.....	2
PHPR 4300 Commonly Prescribed Meds and Med Term 2..	1
PHPR 4350 Pharmacy Skills Development-3.....	2
PHPR 4470 Applied Clinical Pharmacokinetics Primer .....	1
PHPR 4530 Evidence Based Pharmacy Practice I.....	3
PHPR 4920 IPPE-3.....	1

#### Spring Semester (14.5-17.5 credits)

PHM 4100 Psychiatry and Neurology .....	3
PHM 4120 Pain and Substance Abuse.....	2
PHM 4140 Hematology. ....	1.5
PHM 4160 Pulmonary .....	1.5
PHPR 4270 Health Systems .....	1.5
PHPR 4360 Pharmacy Skills Development-4 .....	2
PHPR 4930 IPPE-4 .....	1
PHPR 4540 Evidence Based Pharmacy Practice II .....	2

- **One pre-MBA course (BUAD 3040)**

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Rev 2018Jan18



## P3 Year

Summer Semester Immediately Following P2 Year and institutional IPPE placement (12 credits coursework)

Institutional IPPE placement (2 weeks)

**BUAD 6100 – Accounting for Decision Making (pre-req: BUAD 2040 & 2050 or ACCT 5000)**

**BUAD 6300 - Strategic Marketing and Analysis (pre-req: BUAD 3010 or MKGT 5410)**

**BUAD 6400 - Results-Based Management**

**BUAD 6800 - Information Technology and E-Business**

*Fall Semester (18 credits)*

PHM 6010 Cardiology II .....	3	
PHM 6030 Gastrointestinal .....	1	
PHPR 6000 Drug Information Seminar (fall or spring).....	2	
PHPR 6220 Pharmacoeconomics and Outcomes Research	1	
PHPR 6300 Fluids Electrolytes and Kidney Disease.....	2	
PHPR 6460 Pharmacy Skills Development-5 .....	2	
PHPR 6920 IPPE-5.....	1	
*Graduate Professional Electives (BUAD 6200) .....	3	(pre-req: BUAD 3040 or FINA 5310)
*Graduate Professional Electives (BUAD 6500) .....	3	

*Spring Semester (18 credits)*

PHM Oncology .....	2	
PHPR 6000 Drug Information Seminar (fall or spring).....	2	
PHPR 6170 Special Populations and Topics.....	3	
PHPR 6250 Advanced Self-care.....	3	
PHPR 6270 Business Aspects of Pharmacy .....	2	
PHPR 6310 Jurisprudence & Ethics .....	1	
PHPR 6470 Pharmacy Skills Development-6 .....	2	
*Graduate Professional Electives (BUAD 6600) .....	3	(pre-req: OSCM 5520)

**Optional summer for MBA (3 credits)**

**BUAD 6900 - Strategic Management Capstone (pre-req: BUAD 6200 & BUAD 6300)**

## P4 Year

*Fall Semester:*

PHPR 8940:001 Advanced Pharmacy Practice Experience I.....	4	
PHPR 8940:002 Advanced Pharmacy Practice Experience II....	4	
PHPR 8940:003 Advanced Pharmacy Practice Experience III ..	4	
PHPR 8940:004 Advanced Pharmacy Practice Experience IV ..	4	
PHPR 8940:005 Advanced Pharmacy Practice Experience V ..	4	

*Spring Semester*

PHPR 8940:006 Advanced Pharmacy Practice Experience V ...	4	
PHPR 8940:007 Advanced Pharmacy Practice Experience VI ..	4	
PHPR 8940:008 Advanced Pharmacy Practice Experience VII .	4	
PHPR 8940:009 Advanced Pharmacy Practice Experience VIII	4	

**3 APPE electives (in management/administration/managed care/public health) will be accepted for the general MBA (Students can do 2 APPE electives as described above and 1 course from the COBI elective list for the MBA program)**

Note: At the end of the P4 year, students are candidates for the PharmD and MBA degrees. Degrees will be granted separately, and one can be earned without having to finish the other.