

BUTLER UNIVERSITY COLLEGE OF PHARMACY AND HEALTH SCIENCES AND COLLEGE OF BUSINESS

DUAL PHARMD-MBA PROGRAM CURRICULUM (Updated 10-04-10)

Curriculum Year	Courses (Fall Semester)	SEM HRS	Courses (Spring Semester)	SEM HRS	Courses (Summer Term) +	SEM HRS
First Prepharmacy Year	<ul style="list-style-type: none"> ▪ FYS 101 First Year Seminar ▪ CH 105 General Chemistry ▪ MA 106 Calculus and Analytical Geom I (Fall or Spring) ▪ PX 100 Health Science Seminar ▪ Core (T&I, PCA, SW) 	3 5 5 1 3 17	<ul style="list-style-type: none"> ▪ FYS 102 First year Seminar ▪ CH 106 General Chemistry (with lab) ▪ BI 105 Introductory Cell Biology (Fall or Spring) ▪ COM 102 Public Speaking (Fall or Spring) ▪ PWB Physical Well Being ▪ Core (T & I, PCA, SW) 	3 5 3 2 1 3 17	<ul style="list-style-type: none"> ▪ <i>AC 203 Introduction to Accounting*</i> ▪ <i>AC 204 Introduction to Accounting II</i> 	3 3
Second Prepharmacy Year	<ul style="list-style-type: none"> ▪ GHS 201-209 Global and Historical Studies (Must complete two different courses in course selection) ▪ CH 351 Organic Chemistry (with lab) ▪ PX 311 Human Anatomy (without lab) ▪ PX325 Ethical Issues in Health Care ▪ Core (T & I, PCA, SW) ▪ <i>EC231 Principles of Microeconomics (check to see if summer school option since such a large load this semester)</i> 	3 5 3 3 3 3 20	<ul style="list-style-type: none"> ▪ GHS201-209 Global & Historical Studies (Must complete two different courses in course selection) ▪ CH 352 Organic Chemistry (with lab) ▪ PX 315 Human Physiology (without lab) ▪ BI 325 Pathogenic Microbiology (with lab) ▪ PX200 Intro to Prof Practice 	3 5 4 3 2 17	<ul style="list-style-type: none"> ▪ <i>EC 232 Principles of Macroeconomics*</i> 	3
First Professional Year (Third Year)	<ul style="list-style-type: none"> ▪ PX 350 Intro to Pharmaceutical Care I ▪ BI 323 Immunology ▪ RX 312 Clinical Biochemistry ▪ RX 316 Pathophysiology ▪ RX327 Intro to Drug Information ▪ <i>MS 100</i> 	3 2 4 4 1 1 15	<ul style="list-style-type: none"> ▪ RX 351 Intro to Pharmaceutical Care 2 ▪ RX 318 Introduction to Principles of Drug Action ▪ RX 324 Clinical Assessment ▪ RX314 Pharmaceutical Biotechnology ▪ RX320 Delivery of Health Care ▪ <i>MS264 Statistics</i> 	4 5 2 3 2 3 19	<ul style="list-style-type: none"> ▪ <i>MS 265 Information Technology*</i> ▪ <i>MK 380 Principles of Marketing**Δ</i> 	3 3
Second Professional Year (Fourth Year)	<ul style="list-style-type: none"> ▪ RX 411 Principles of Drug Action I ▪ RX 413 Therapeutics I ▪ RX403 Therapeutics I Case Studies ▪ RX 421 Introduction to Dosage Forms ▪ RX515 Self-care and Health Promotion 1 ▪ <i>MG 360 Organizational Behavior♥Δ</i> 	4 3 1 4 2 3 17	<ul style="list-style-type: none"> ▪ RX 412 Principles of Drug Action II ▪ RX 414 Therapeutics II ▪ RX404 Therapeutics II Case Studies ▪ RX 422 Advanced Dosage Forms ▪ RX516 Self-care and Health Promotion 2 ▪ <i>FN340 Corporate Finance♥Δ Application to MBA Program and take GMAT</i> 	4 3 1 4 3 3 18	<ul style="list-style-type: none"> • <i>MBA525 Managerial Economics</i> • <i>MBA520 Managerial Accounting</i> • <i>MBA 505 Gateway Course</i> 	3 3 1
Third Professional Year (Fifth Year)	<ul style="list-style-type: none"> ▪ RX 511 Principles of Drug Action III ▪ RX 513 Therapeutics III ▪ RX503 Therapeutics III Case Studies ▪ RX426 Pharmacokinetics and Biopharmaceutics ▪ RX527 Biostatistics and Research Design ▪ <i>MBA 510 Leadership**Δ</i> 	4 3 1 3 3 3 17	<ul style="list-style-type: none"> ▪ RX 514 Therapeutics IV ▪ RX 504 Therapeutics IV Case Studies ▪ RX528 Advanced Drug Information ▪ RX526 Pharmacy and the Law ▪ RX523 Clinical Pharmacokinetics ▪ RX 500 Intro to Experiential Rotations ▪ <i>MBA 530 Financial Management**Δ</i> ▪ <i>MBA 535 Marketing Management and Research Methods**Δ</i> 	3 1 2 3 3 1 3 3 19	<ul style="list-style-type: none"> ▪ <i>M 515 Legal and Ethical Operation of Business**</i> ▪ RX 6— Two Experiential On-Site Rotations (4 credit hours each) 	3 8

Fourth Professional year (Sixth Year)	<ul style="list-style-type: none"> ▪ RX 6— Three Experiential On-Site Rotations (4 credit hours each) ▪ <i>MBA 592— One On-Site Management Rotation Δ</i> ▪ RX 607 - Research Project ▪ <i>MBA 540 Operation Management and Systems**</i> 	12	<ul style="list-style-type: none"> ▪ RX 6— Three Experiential On-Site Rotations (4 credit hours each) ▪ <i>MBA 593— One On-Site Management Rotation Δ</i> ▪ RX 608 - Research Project ▪ <i>MBA 545 Integrated Capstone Experience**</i> 	12	Global Requirement: (2hrs) <ul style="list-style-type: none"> • International Finance or • International Marketing or • International Management or • Global Study or internship experience
	Total Semester Hours	20	Total Semester Hours	20	

♥ For those students who graduate from Butler University with the simultaneous awarding of the PharmD and MBA degrees: COPHS waives the completion of two elective rotations, and substitutes 8 hours of pre-MBA course work. Note: This waiver is only valid if the two degrees are conferred simultaneously.

*Interchangeable UG (undergraduate) courses that can be taken in any semester as long as prerequisites are satisfied; additional tuition is required for summer courses or if > 20 credit hours per semester; Students enrolled in the PharmD/MBA program are charged the CBA/MBA tuition rate for summer classes taken after the first two prepharmacy years.

**Interchangeable MBA courses; must be admitted into the MBA program prior to taking courses with M_ _ _; check prerequisites and course schedule from the College of Business

+ Based on availability; check course schedule

Δ Courses taken through the College of Business that meet requirements for both degrees.

Italics denote courses from the College of Business required for the MBA degree; or prerequisites for certain courses in the program.

PREREQUISITES FOR MBA PROGRAM (OR BUSINESS MINOR)*

Undergraduate Courses**	Credit Hours
AC 203 Introduction to Accounting	3
AC 204 Introduction to Accounting II	3
EC 231 Principles of Microeconomics	3
EC 232 Principles of Macroeconomics	3
MS 264 Statistics	3
FN 340 Corporation Finance	3
MK 380 Principles of Marketing	3
MG 360 Organizational Behavior***	3
M 265 Information Technology	3
MS 100 Computer Proficiency Exam	1

*Prerequisite courses need to be completed by the end of fourth year to stay on target and obtain an MBA degree in six years

**A “B” or higher is required to use these courses as MBA prerequisites

MBA COURSES*

Courses	Credit Hours
M505 Gateway Experience	1
M 510 Leadership	3
M 515 Legal and Ethical Operation of Business	3
M 520 Managerial Accounting	3
M 525 Managerial Economics	3
M 530 Financial Management	3
M 535 Marketing Management and Research Methods	3
M 540 Operations Management and Systems	3
M 545 Integrated Capstone Experience	3

*Must be admitted in the MBA program prior to taking these courses

SELECTION OF EXPERIMENTAL ROTATIONS*

▪ **9 Required Rotations:**

- 1 General Medicine, or Internal Medicine, or Family Practice Rotations
- 2 Acute Care - Inpatient
- 2 Community Pharmacy Rotation
- 1 Ambulatory Care Rotation
- 1 Underserved Rotations
- 2 Management Rotations (required) in the following settings:
Hospital, Community, Managed Care, or Administrative

▪ **1 Elective Rotations:**

- 1 Elective Rotation (patient care rotation)

* Ten 4- week rotations total required within a 12-month period; Rotations per semester may vary depending on selected months off