

The Master of Business Administration and a Doctor of Pharmacy (MBA-PharmD) dual-degree program allows students to earn both degrees by extending their professional and graduate study by one additional calendar year. The MBA-PharmD program requires seven (7) years of study, including two summer sessions and three years at the graduate level.

**Admission requirements:**

Admission requirements for this program differ slightly from those of the full-time and part-time MBA options. Admission to the MBA-PharmD program is restricted to students who have been previously admitted to the School of Pharmacy. Applicants should first submit a dual degree application to the School of Pharmacy. Upon acceptance of that application, the applicant should submit an application to the School of Business for admission into the second part of the MBA-PharmD program. Current pharmacy students must declare their intent to seek admission to the dual-degree program during their fourth semester in the professional curriculum of the School of Pharmacy.

**FOUNDATION CORE CLASSES: 17 credit hours**

All of the following:

ACCT 701/BUS 703	Financial Accounting	2 credits
BE 701/BUS 702	Managerial Economics	2 credits
DSCI 701/BUS 704	Statistical Decision Making	2 credits
FIN 701/BUS 709	Financial Management	2 credits
MKTG 701/BUS 711	Marketing Management	2 credits
MGMT 701/BUS 701	Organizational Behavior	2 credits
MGMT 704/BUS 720	Strategic Management	2 credits
MGMT 705/BUS 715	Managing in a Global Environment	1 credit
MGMT 706/BUS 723	Professional Development Skills I	1 credit
MGMT 707/BUS 724	Professional Development Skills II	1 credit

**ENVIRONMENTAL CORE CLASSES: 2 credit hours**

One of the following:

BE 702/BUS 707	Global Economic Environment of Business	2 credits
BLAW 701/BUS 708	Introduction to the Legal Environment of Business	2 credits

**BREADTH CORE CLASSES: 6 credit hours**

Three of the following:

ACCT 702/BUS 710	Managerial Accounting	2 credits
DSCI 702/BUS 719	Operations Management	2 credits
IST 701/BUS 706	Managerial Information Systems	2 credits
MGMT 702/BUS 705	Human Resources Management	2 credits

**MBA ELECTIVES: 12 credit hours**

The remaining 12 hours of MBA courses can include several business-specific areas. Elective courses commonly available include advanced finance, human resources management, information systems, international business, marketing, and strategic management.

**PHARMACY REQUIRED COURSES: 140 credit hours**

MATH 122	Calculus II	5 credits
P&TX 630	Pharmacology I	4 credits
MDCM 601	Medicinal Biochemistry I	4 credits
MDCM 602	Medicinal Biochem. Lab	1 credit
PHPR 500	Early Pharmacy Practice Experience	1 credit
PHCH 517	Calculations	2 credits
PHPR 620	Ethics & Intro to Law	1 credit
PHAR 507	Dean's Orientation and Introduction to Pharmacy	1 credit
MDCM 603	Medicinal Biochemistry II	3 credits
PHCH 518	Principles of Solution/Dosage Forms	3 credits
P&TX 631	Pharmacology II	4 credits
PHAR 502	Pharmacy Practice II	3 credits
PHAR 510	Laboratories	1 credit
PHAR 505	Immunization Theory and Practice	1 credit
MDCM 625	Medicinal Chemistry I	3 credits
P&TX 632	Pharmacology III	4 credits
PHCH 625	Pharmacokinetics	3 credits
PHPR 503	Pharmacy Practice III	4 credits
PHAR 515	Laboratories	1 credit
MDCM 626	Medicinal Chemistry II	3 credits
P&TX 640	Toxicology	2 credits
PHPR 646	Pharmacotherapy I	4 credits
PHCH 626	Biopharmaceutics and Drug Delivery	3 credits
PHPR 619	Health Care Systems	3 credits
PHAR 520	Laboratories	2 credits
MDCM 627	Medicinal Chemistry III	3 credits
PHPR 647	Pharmacotherapy II	4 credits
PHPR 614	Pharmacy Management	4 credits
P&TX 633	Pharmacology IV	3 credits
PHAR 693	Clinical Pharmacokinetics	2 credits
PHPR	Electives	1 credit
MDCM	Electives	1 credit
PTX	Electives	1 credit
PHCH	Electives	1 credit
PHAR 525	Laboratories	1 credit
PHPR 648	Pharmacotherapy III	4 credits
PHCH 667	Intro to Clinical Chemistry	2 credits
PHPR 621	Pharmacy Law	2 credits
PHPR 630	Drug Information/Biostatistics and Med Lit Evaluation	4 credits
PHPR 670	Physical Assessment	1 credit
PHAR 530	Laboratories	1 credit
PHPR 652	Drug Information Clerkship	4 credits
PHPR	Hospital Internship	4 credits
PHPR	Community Externship	4 credits
PHPR	Pharmacy Practice Clerkship I	4 credits
PHPR	Pharmacy Practice Clerkship II	4 credits
PHPR	Clerkship	24 credits

**MBA concentrations:**

**ENTREPRENEURSHIP & INNOVATION: 12 credit hours**

Students must complete the following course:

ENTR 895/BUS 895	New Venture Creation	4 credits
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Students must choose at least 8 credit hours among the following to complete concentration requirements:

BLAW 703/BUS 781	Legal Aspects of Business Organizations	3 credits
ENTR 895/BUS 895	Profitable Entrepreneurial Growth	2 credits
MGMT 895/BUS 895	Business Consulting	4 credits
FIN 750/BUS 896	Entrepreneurial Finance I	2 credits
FIN 751/BUS 895	Entrepreneurial Finance II	2 credits
MGMT 725/BUS 812	Management of Technology I	2 credits
MGMT 726/BUS 813	Management of Technology II	2 credits
MKTG 702/BUS 765	New Product Management	3 credits

**FINANCE TRACK: 12 credit hours**

In terms of outside validation, completion of the finance track should prepare a student to master Level I material for the Chartered Financial Analyst exam. Routinely offered electives include:

ACCT 704/BUS 731	Financial Statement Presentation and Analysis I	2 credits
ACCT 705/BUS 732	Financial Statement Presentation and Analysis II	2 credits
FIN 705/BUS 751	Investment Theory	2 credits
FIN 706/BUS 752	Investment Analysis	2 credits
FIN 725/BUS 757	Business Valuation	3 credits
FIN 730/BUS 758	Applied Portfolio Management	4 credits
FIN 735/BUS 759	International Finance	3 credits
FIN 740/BUS 760	Forwards, Futures, and SWAPS	2 credits
FIN 741/BUS 761	Options	2 credits
FIN 745/BUS 762	Business Investing	2 credits
FIN 746/BUS 763	Business Financing	2 credits
FIN 895/BUS 788	Risk Analysis	2 credits
FIN 895	Mergers and Acquisitions	2 credits

**MARKETING: 12 credit hours**

MKTG 702/BUS 765	New Product Management	3 credits
MKTG 703/BUS 766	Consumer Behavior	3 credits
MKTG 704/BUS 767	Marketing Research	3 credits
MKTG 705/BUS 768	Marketing Communications	3 credits
MKTG 706/BUS 769	Strategic Marketing, Planning, and Decision-making	3 credits
MKTG 708/BUS 771	Global Marketing	3 credits
MKTG 711/BUS 895	Pricing Strategies	3 credits
MKTG 895/BUS 895	Return on Investment Driven Marketing	2 credits

**HUMAN RESOURCES MANAGEMENT: 12 credit hours**

MGMT 721/BUS 806	Management of Workforce Diversity	3 credits
MGMT 732/BUS 825	Recruiting and Selecting Effective Employees	2 credits
MGMT 733/BUS 826	Advanced Methods for Selecting Employees	2 credits
MGMT 734/BUS 827	Compensating and Rewarding Employees: Foundations	2 credits
MGMT 735/BUS 828	Compensating and Rewarding Employees: Alternative Approaches	2 credits
MGMT 736/BUS 829	Managing People: Applications and Skills	2 credits
MGMT 737/BUS 830	Internal Labor Markets and Incentive Systems	2 credits
MGMT 738/BUS 831	Training and Developing an Effective Workforce	2 credits
MGMT 739/BUS 832	Career Development and Management	2 credits
MGMT 740/BUS 833	Appraising and Managing Employee Performance	2 credits
MGMT 741/BUS 834	International Human Resources Management	2 credits
MGMT 742/BUS 835	Labor Markets and Human Capital	2 credits
MGMT 743/BUS 836	Legal Environment for Managing Employees	2 credits

## INFORMATION SYSTEMS: 12 credit hours

Students must complete the following three courses:

IST 702	Systems Development	3 credits
IST 704	Database Management	3 credits
IST 706	Systems Analysis and Design	3 credits

Students must choose one of the following to complete concentration requirements:

IST 708	Strategic Information Systems Planning	3 credits
IST 709	Business Computer Networking	3 credits
IST 710	Developments in Software Technology	3 credits
IST 712	Information Security	3 credits

Students should consider coursework beyond minimum concentration requirements. Potential electives include:

IST 730	IT Project Management	3 credits
IST 895	Telecommunications Management	3 credits
IST 895	Information Systems Consulting	3 credits
IST 895	E-Commerce: An Integrated Perspective	1-5 credits
IST 895	Web Development and Application	3 credits
MGMT 725/BUS 812	Management of Technology I	2 credits
MGMT 726/BUS 813	Management of Technology II	2 credits
MKGT 710/BUS 895	Internet Marketing	3 credits
EECS 603	Information Processing with C++	3 credits
EECS 663	Introduction to Communication Networks	3 credits
EMGT 840	Systems Approach to Engineering	3 credits
EMGT 844	Managing Software Development Projects	3 credits

## INTERNATIONAL BUSINESS: 12 credit hours

ACCT 895/BUS 895	International Accounting	3 credits
FIN 735/BUS 759	International Finance	3 credits
FIN 740/BUS 760	Global Financial Risk Management I	2 credits

FIN 741/BUS 761	Global Financial Risk Management II	2 credits
IBUS 701/BUS 810	International Business	2 credits
IBUS 702/ BUS 814	International Business Strategy	2 credits
IBUS 703/BUS 895	Developing and Implementing a China Strategy	2-3 credits
IBUS 705/BUS 895	Doing Business in Europe: A French Perspective	2-3 credits
IBUS 895/BUS 895	International Business Law	3 credits
IBUS 895/BUS 895	Doing Business in Italy	3 credits
MGMT 720/BUS 805	Comparative and Cross-Cultural Management	3 credits
MGMT 741/BUS 834	International Human Resources Management	2 credits
MGMT 746/BUS 845	Global Business Environment	2 credits
MKGT 708/BUS 771	Global Marketing	3 credits

## MANAGEMENT: 12 credit hours

MGMT 807/BUS 807	Ethical Decision-making in Business	2 credits
MGMT 715/BUS 800	Management of Organizations	3 credits
MGMT 716/BUS 801	Organizational Change and Development	3 credits
MGMT 717/BUS 802	Organizational Problem Solving	3 credits
MGMT 718/BUS 803	Organizational Design	3 credits
MGMT 720/BUS 805	Comparative and Cross-cultural Management	3 credits
MGMT 721/BUS 806	Management of Workforce Diversity	3 credits
MGMT 723/BUS 809	Advanced Topics in Management of Organizations	2-5 credits
MGMT 814/BUS 804	Behavioral Research Methods	4 credits

Students should consider coursework beyond minimum concentration requirements. Potential electives include:

BE 710/BUS 849	Organizational Economics	3 credits
BE 712/BUS 846	Political Strategy for Managers	2 credits
DSCI 746/BUS 790	Contemporary Issues in Operations Management	3 credits
FIN 745/BUS 762	Business Investing	2 credits
FIN 746/BUS 763	Business Financing	2 credits
MKTG 702/BUS 765	New Product Management	3 credits

