

Pharmacy Administration (PHAM) Major

Pharmacy administration focuses on the corporate and managerial aspects of the pharmacy profession. Students may earn a minor in business administration, international business, or professional sales, in addition to the bachelor of science in pharmaceutical sciences degree. See below for options. With one year of additional graduate study, students in the M.B.A. track options can receive a master of business administration degree.

Pharmacy Administration Major Professional Division Curriculum:

All requirements listed below must be fulfilled with a minimum of 126 semester hours required for graduation.

The options for this major are shown below.

P1 Year

First Semester

MBC	3310	Medicinal Chemistry I	2
MBC	3550	Physiological Chemistry I.....	3
PHCL	3700	Pharmacology I.....	3
ECON	1150	Principles of Macroeconomics	3
PHPR	3260	Pharmacy Healthcare Administration I	2
BUAD	2060	Data Analysis for Business	or
		MATH 2630 or 2600 or equiv.....	3

Second Semester

MBC	3320	Medicinal Chemistry II	2
MBC	3560	Physiological Chemistry II.....	3
PHCL	3730	BSPS Pharmacology II.....	3
PHPR	4550	Analysis of Pharm. Environment	3
ACTG	1040	Principles of Financial Accounting	or
BUAD	2040	Financial Accounting Information	3
		Major Elective ¹	2-3

P2 Year

First Semester

PHCL	4810	BSPS Pharmacology III	3
PHPR	4600	Seminar in Pharmacy Administration	1
BUAD	3010	Principles of Marketing.....	3
BUAD	3030	Manage. & Behave. Process in Orgs.....	3
BUAD	3040	Prin. of Financial Management.....	3
ACTG	1050	Principles of Management Accounting	or
BUAD	2050	Accounting for Business Decision-Making.....	3
		Major Elective ¹	2-3

Second Semester

PHPR	4780	Internship in Pharmacy Adm ²	6-12
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¹ Major Electives : (a minimum of 5 hours of electives is required)

PHPR	4590	Readings in Access & Cultural Competence.....	2
PHPR	4610	Pharmacoeconomics and Outcomes I.....	2
PHPR	4630	Research Methods Pharmacy Administration ...	3

Any course used to complete a minor degree in the

College of Business and Innovation

² Internship can be taken in summer before the P2 year.

Business Administration Minor Option

P1 Year

First Semester

MBC	3310	Medicinal Chemistry I	2
MBC	3550	Physiological Chemistry I.....	3
PHCL	3700	Pharmacology I.....	3
PHPR	3260	Pharmacy Healthcare Administration I	2
ECON	1150	Principles of Macroeconomics	3
BUAD	2060 or MATH 2630 or 2600 or equiv.		3

Second Semester

MBC	3320	Medicinal Chemistry II	2
MBC	3560	Physiological Chemistry II.....	3
PHCL	3730	BSPS Pharmacology II.....	3
PHPR	4550	Analysis of Pharm. Environment*	3
ACTG	1040	Principles of Financial Accounting ¹	or
BUAD	2040	Financial Accounting Information ¹	3

Summer Between P1 and P2 Years

PHPR	4780	Internship in Pharmacy Administration.....	6-12
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P2 Year

First Semester

PHCL	4810	BSPS Pharmacology III	3
PHPR	4600	Seminar in Pharmacy Administration	1
BUAD	3030	Manage. & Behav. Process in Orgs ¹	3
BUAD	3040	Prin. of Financial Management ¹	3
BUAD	2050	Accounting for Business Decision Making ¹ ...or	
ACTG	1050 ¹	Principles of Management Accounting ¹	3
BUAD	1020 or CMPT 1100 or equivalent		3

Second Semester

BUAD	3010	Principles of Marketing.....	3
		Business Minor Elective ²	3

*This course is only offered in spring semester.

¹A grade of C or higher is required for the minor.

²Choose from business administration minor requirements listed by the College of Business and Innovation. Recommend BUAD 3020.

Professional Sales Minor Option

P1 Year

First Semester

MBC	3310	Medicinal Chemistry I	2
MBC	3550	Physiological Chemistry I.....	3
PHCL	3700	Pharmacology I.....	3
PHPR	3260	Pharmacy Healthcare Administration I	2
ECON	1150	Principles of Macroeconomics	3
BUAD	2060 or MATH 2630 or 2600 or equiv... ..		3

Second Semester

MBC	3320	Medicinal Chemistry II	2
MBC	3560	Physiological Chemistry II.....	3
PHCL	3730	BSPS Pharmacology II.....	3
BUAD	3010	Principles of Marketing ¹	3
ACTG	1040	Principles of Financial Accounting	or
BUAD	2040	Financial Accounting Information	3

Summer Between P1 and P2 Years

PHPR 4780 Internship in Pharmacy Administration..... 6-12

P2 Year

First Semester

PHCL 4810 BSPS Pharmacology III 3
PHPR 4600 Seminar in Pharmacy Administration 1
BUAD 3030 Manage. & Behav. Process in Orgs..... 3
PSLS 3440 Sales¹ 3
PSLS 3450 Acct. & Territory Management¹..... 3
ACTG 1050 Principles of Management Accountingor
BUAD 2050 Accounting for Business Decision-Making..... 3

Second Semester

BUAD 3040 Prin. of Financial Management 3
PSLS 4740 Advanced Sales¹..... 3
PSLS 3080 Purchasing & Business Relation Mgmt.....or
PSLS 4710 Salesforce Leadership¹ 3
PHPR 4550 Analysis of Pharmaceutical Environment 3

¹A grade of C or higher is required for the minor.

International Business Minor Option

P1 Year

First Semester

MBC 3310 Medicinal Chemistry I 2
MBC 3550 Physiological Chemistry I..... 3
PHCL 3700 Pharmacology I..... 3
PHPR 3260 Pharmacy Healthcare Administration I 2
ECON 1150 Principles of Macroeconomics 3
BUAD 2080 Global Environment of Business..... 3

Second Semester

MBC 3320 Medicinal Chemistry II 2
MBC 3560 Physiological Chemistry II..... 3
PHCL 3730 BSPS Pharmacology II..... 3
ACTG 1040 Principles of Financial Accountingor
BUAD 2040 Financial Accounting Information 3
BUAD 3030 Manage. & Behave. Process in Orgs..... 3

Summer Between P1 and P2 Years

PHPR 4780 Internship in Pharmacy Administration..... 6-12

P2 Year

First Semester

PHCL 4810 BSPS Pharmacology III 3
PHPR 4600 Seminar in Pharmacy Administration 1
ACTG 1050 Principles of Management Accountingor
BUAD 2050 Accounting for Business Decision-Making..... 3
BUAD 2060 or MATH 2600 or 2630 or equiv. 3
BUAD 3010 Principles of Marketing..... 3
BUAD 3040 Prin. of Financial Management 3

Second Semester

PHPR 4550 Analysis of Pharmaceutical Environment 3
BUAD 2070 Application of Statistics 3
FINA 3500 International Business Finance..... 3
IBUS 3600 International Management 3
MKTG 3140 International Marketing..... 3

Business Administration Minor & M.B.A. Track Option¹

P1 Year

First Semester

MBC	3310	Medicinal Chemistry I	2
MBC	3550	Physiological Chemistry I.....	3
PHCL	3700	Pharmacology I.....	3
PHPR	3260	Pharmacy Healthcare Administration I	2
BUAD	3030	Manage. & Behav. Process in Orgs.....	3
ECON	1150	Principles of Macroeconomics	3

Second Semester

MBC	3320	Medicinal Chemistry II.....	2
MBC	3560	Physiological Chemistry II.....	3
PHCL	3730	BSPS Pharmacology II.....	3
ACTG	1040	Principles of Financial Accounting	or
BUAD	2040	Financial Accounting Information	3
BUAD	2060	Data Analysis for Business	or
MATH	2630 or 2600	or equiv.....	3

Summer Between P1 and P2 Years

PHPR	4780	Internship in Pharmacy Administration.....	6-12
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P2 Year

First Semester

PHCL	4810	BSPS Pharmacology III	3
PHPR	4600	Seminar in Pharmacy Administration	1
BUAD	3010	Principles of Marketing.....	3
ACTG	1050	Principles of Management Accounting	or
BUAD	2050	Accounting for Business Decision Making	3

Second Semester

PHPR	4550	Analysis of Pharm. Environment	3
BUAD	3020	Principles of Mfg. & Service Systems	3
BUAD	3040	Prin. of Financial Management.....	3
BUAD	1020	Microcomputer Applications in Business.....	or
CMPT	1100	Computer Information Applications.....	3

¹This track will enable students to fulfill the prerequisites for the M.B.A. program with grades of C (2.0) or higher in all BUAD courses listed in this curriculum. To be admitted to the M.B.A. program in the College of Business and Innovation, students must successfully complete the GMAT prior to application.

Professional Sales/Business Administration Minors and M.B.A. Track Option¹

P1 Year

First Semester

MBC	3310	Medicinal Chemistry I	2
MBC	3550	Physiological Chemistry I.....	3
PHCL	3700	Pharmacology I.....	3
PHPR	3260	Pharmacy Healthcare Administration I	2
BUAD	3030	Manage. & Behav. Process in Orgs.....	3

ECON 1150 Principles of Macroeconomics 3

Second Semester

MBC 3320 Medicinal Chemistry II 2
 MBC 3560 Physiological Chemistry II 3
 PHCL 3730 BSPS Pharmacology II 3
 BUAD 3010 Principles of Marketing 3
 ACTG 1040 Principles of Financial Accounting or
 BUAD 2040 Financial Accounting Information 3
 BUAD 2060 Data Analysis for Business or
 MATH 2630 or 2600 or equiv. 3

Summer Between P1 and P2 Years

PHPR 4780 Internship in Pharmacy Administration 6-12

P2 Year

First Semester

PHCL 4810 BSPS Pharmacology III 3
 PHPR 4600 Seminar in Pharmacy Administration 1

 PSLS 3440 Sales 3
 PSLS 3450 Acct & Territory Management 3
 ACTG 1050 Principles of Management Accounting or
 BUAD 2050 Accounting for Business Decision Making 3

Second Semester

PHPR 4550 Analysis of Pharm. Environment 3
 BUAD 3020 Principles of Mfg. & Service Systems 3
 BUAD 3040 Prin. of Financial Management 3
 PSLS 4740 Advanced Sales 3
 PSLS 3080 Purch. & Busi. Rela. Mgmt. or
 PSLS 4710 Sales Force Leadership 3
 BUAD 1020 Microcomputer Applications in Business or
 CMPT 1100 Computer Information Appli or equivalent 3

¹This track will enable students to have double minors and fulfill the prerequisites for the M.B.A. program with grades of "C" (2.0) or higher in all BUAD and PSLS courses listed in this curriculum. To be admitted to the M.B.A. program students must successfully complete the GMAT prior to application.

International Business/Business Administration Minors & M.B.A. Track Option¹

P1 Year

First Semester

MBC 3310 Medicinal Chemistry I 2
 MBC 3550 Physiological Chemistry I 3
 PHCL 3700 Pharmacology I 3
 PHPR 3260 Pharmacy Healthcare Administration I 2
 BUAD 2080 Global Environment of Business 3
 ECON 1150 Principles of Macroeconomics 3

Second Semester

MBC 3320 Medicinal Chemistry II 2
 MBC 3560 Physiological Chemistry II 3
 PHCL 3730 BSPS Pharmacology II 3
 BUAD 3030 Manage. & Behave. Process in Orgs. 3

BUAD	2040 or ACTG 1040 3
BUAD	1020 or CMPT 1100 or equivalent 3

Summer Between P1 and P2 Years

PHPR	4780	Internship in Pharmacy Administration.....6-12
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P2 Year

First Semester

PHCL	4810	BSPS Pharmacology III 3
PHPR	4600	Seminar in Pharmacy Administration 1
BUAD	3010	Principles of Marketing..... 3
BUAD	3040	Prin. of Financial Management 3
IBUS	3600	International Management 3
ACTG	1050	Principles of Management Accountingor
BUAD	2050	Accounting for Business Decision Making 3
BUAD	2060	Data Analysis for Businessor
MATH	2630 or 2600 or equiv. 3

Second Semester

PHPR	4550	Analysis of Pharm. Environment 3
BUAD	2070	Appl. of Stats in Bus Decision Making 3
BUAD	3020	Principles of Mfg. & Services Sys. 3
FINA	3500	International Business Finance..... 3
MKTG	3140	International Marketing..... 3

¹This track will enable students to fulfill the prerequisites for the M.B.A. program with grades of C (2.0) or higher in all BUAD courses listed above.

To be admitted to the M.B.A. program, students must successfully complete the GMAT prior to application.

B.S.P.S. Internship Description

All five majors in the bachelor of science in pharmaceutical sciences degree program require real-life workplace internships in a variety of appropriate settings at local, regional, national and international sites. Most students schedule their internships in the summer after their P1 year. Students are generally assigned to ongoing projects at the site and are evaluated on their performance by the project supervisor. A brief paper describing their role in the project is submitted to the coordinator for their major following completion of the practicum.