



## Memorandum

**To:** Academic Programs Committee of Council (APC), Dr. Kenneth Fox, Chair  
**From:** Executive Committee of CGPS, Dr. Trever Crowe, Chair  
**Date:** September 21, 2018  
**Re:** Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A) combined degrees

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At the September 21, 2018, meeting of the Executive Committee (CGPS), the committee considered a proposal for combined program delivery of the undergraduate Pharm.D. program and the graduate M.B.A. program.

**Background** this proposal makes it possible to do both degrees in a smaller timeframe – it is popular for pharmacists to also have an MBA, the CGPS Graduate Programs Committee had no issues with the proposal as presented. Both programs meet the learning outcomes; the challenge for admissions is an undergrad program (PharmD) overlapped with a master’s degree (MBA), but that has been worked out in addition to how tuition would be assessed, which is now calculated on per credit unit cost.

*A committee member felt* that the admission requirements were not clear as proposed. A member clarified that PharmD students need to meet the requirements for the MBA **and be admitted** to both programs. In program or entering PharmD students may apply for MBA if they are interested and the criteria for MBA requirements don’t change

The Executive Committee support the approval of the Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A) combined degrees, and the following motion was passed unanimously:

*To approve the proposed combined degrees of the Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A).*

*Pollack/McIntyre* CARRIED

If you have any questions, please contact Lori Lisitza at [lori.lisitza@usask.ca](mailto:lori.lisitza@usask.ca) or 306-966-5759.

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## Memorandum

**To:** Executive Committee of CGPS

**From:** Graduate Programs Committee of CGPS

**Date:** February 16, 2018

**Re:** Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A) combined degrees

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At the February 13, 2018, meeting of the Graduate Programs Committee (GPC), the committee considered a proposal for combined program delivery of the undergraduate Pharm.D. program and the graduate M.B.A. program. It was clarified that the Pharm.D. degree was the undergraduate program offered in the Division of Pharmacy, having replaced the former Bachelor of Science in Pharmacy program.

The combined program delivery was proposed to allow completion of both degrees concurrently in 4 years, rather than consecutively in 5 years. Students completing the combined programs would complete 202 credit units, 15 credit units less than students who completed the two programs separately. The Pharm.D. program is fully prescribed with the exception of 9 credit units of faculty-approved electives. Courses in the M.B.A. program were identified to be satisfactory to fulfill those elective requirements. For the M.B.A. program, the learning objectives from 10 credit units of PHAR courses were found to satisfy the learning objectives of 6 credit units of M.B.A. course requirements.

Students successfully completing the combined program will receive both degrees. That is, two degrees awarded on separate degree parchments.

Students electing to complete only one of the programs, or students completing the programs consecutively, will be required to satisfy the traditional program requirements.

The combined programming will provide students with an opportunity to gain the skills to be successful in pharmacy or business or the business of pharmacy.

The GPC recommends that the Executive Committee support the approval of the Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A) combined degrees, and the following motion was passed unanimously:

*To recommend approval of the Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A) combined degrees.* Whiting/Kulshreshtha CARRIED

If you have any questions, please contact Kelly Clement at [kelly.clement@usask.ca](mailto:kelly.clement@usask.ca) or 306-966-2229.

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UNIVERSITY OF  
SASKATCHEWAN

## Proposal for Combined PharmD/MBA Degree

### 1. PROPOSAL IDENTIFICATION

Title of proposal: Combined PharmD/MBA

Degree(s): Doctorate of Pharmacy (PharmD) and an MBA

Field(s) of Specialization: Pharmacy/General

Business Level(s) of Concentration:

Option(s):

Degree College: College of Graduate and Postdoctoral Studies/Edwards  
School of Business/College of Pharmacy and Nutrition

Contact person(s) (name, telephone, fax, e-mail):

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Proposed date of implementation: September 2019

## University of Saskatchewan Combined PharmD/MBA Degree Proposal

The Edwards School of Business and the College of Pharmacy and Nutrition seek approval for a combined degree in business and in pharmacy. The program will be a four-year program allowing students to complete their PharmD degree and their MBA in the same time frame, with significant MBA course work occurring in the spring and summer session terms.

The PharmD/MBA Program will be a 4-year program administered jointly by the Edwards School of Business and the College of Pharmacy and Nutrition at the University of Saskatchewan. The two degrees are complimentary and will allow students to complete two degrees in less time than if they were taken separately (4 years versus 5).

Students will leave the University of Saskatchewan prepared to practice either in a career in pharmacy and/or a career in business.

Interested applicants will be PharmD students in the College of Pharmacy and Nutrition, University of Saskatchewan, who must also apply to be admitted into the MBA program. They may also be students trying to get into the pharmacy program and who apply for both programs at the same time. Students must complete a minimum of 39 credits in the MBA program and 163 credits in the PharmD program for a total of 202 credits. The program of studies must be approved by the Joint PharmD/MBA Admissions Committee upon commencement of both degrees.

### Admission Requirements

- A valid offer of admission to the PharmD program or up to 12 months of registration in the PharmD program. Students must express their interest in the combined program to the Administrative Officer Undergraduate Affairs in the College of Pharmacy & Nutrition.
- Selection criteria will be based on the following: 1) minimum weighted average of 70% in the last two full years of study (or 60 credit units to the nearest term if they are a U of S grad); 2) minimum of 60% in all PharmD courses with no failures in the PharmD program (if applicable); 3) letter of intent.
- All posted admission requirements for the MBA program.
- The Admissions Committee in the College of Pharmacy and Nutrition will make a recommendation to the joint PharmD/MBA Admissions Committee.

### Tuition

Students will be charged tuition on a prorated basis for the credits that they complete in each degree. As an example, using current tuition amounts the total MBA degree is currently assessed at \$30,006 for 45 credit units (\$666.80 per unit; subject to change year-by-year). Total credit units taken in the MBA program will be 39; therefore, given current tuition levels the cost would be \$26,005.20 for the MBA component of the degree. The same calculation would be done for the PharmD degree components. The total PharmD degree cost is

\$68,000 for 172 credit units (\$395.34 per credit unit). For someone taking the combined degree, they will only be taking 163 credit units in the PharmD program, so the tuition costs for the PharmD component will be \$64,441.86.

## **Student Profile**

Students who are selected into the joint PharmD/MBA program will be students who have been able to demonstrate to the Joint PharmD/MBA Admissions Committee that they have advanced skills in creative and critical thinking. They may include pharmacy students who in the future will be involved in administration, management, industry, and business ownership. Broadly speaking, the goal of the MBA program is to develop general business skills in individuals coming from different disciplinary backgrounds. The foundation of these skills are functional and disciplinary knowledge with an additional layer focused on student's ability to think critically and develop creative solutions in an organizational context.

Students who are simultaneously training in Edwards and the College of Pharmacy and Nutrition will stand out compared to their peers due to the additional training they will be receiving in their pharmacy degree. The course exemptions approved in the MBA degree are related to the skills they are developing in their pharmacy degree.

Students who are completing a combined degree will be exempted from MBA 877.3 Leadership and Organizational Dynamics and MBA 819.3 Marketing for Organizational Decision Making. The MBA Faculty Council at the Edwards School of Business considered the learning outcomes for the MBA degree, and were unanimously confident that the students would gain the intended learning outcomes from the following courses in Pharmacy:

### **PHAR 213.3 Management 1**

**PHAR 314.3 Management 2 and PHAR 315.3 Issues in Healthcare and Pharmacy Practice and PHAR 395.5 Preparing for Patient Care**

These classes were identified from the PharmD program submission document, as defined by the Guiding Principles for PharmD program development for educational goals and attitudes. Here are some of the descriptors written in these Guiding Principles for the above classes:

..."develop students' leadership skills; ...the program should foster interprofessionalism; should include an entrepreneurial/business focus and that the program values should foster responsibility or accountability within the context of societal expectations."

"Students will translate components of management and policy development to the pharmacy profession, including strategic planning, human and financial resource management, quality control and improvement, and emerging technologies in practice"

In addition, the graduate attributes developed in students in the Pharmacy program are in-line with the learning outcomes established by the MBA administration.

These attributes as well as many others identified in the Doctor of Pharmacy proposal match very closely with the objectives of the Edwards MBA program; therefore, the MBA Faculty Council is confident that the students graduating with a combined degree will have met the learning objectives established by the MBA program.

Only students who are accepted into the combined program can use the MBA classes or the PharmD classes in the other degree. If they choose to complete one of the degrees without completing the complementary degree, then they would have to fulfill all of the criteria as required to obtain said degree.

**Tentative Schedule:  
MBA/PharmD Program Proposed Schedule**

Year 1 TERM 1	Year 1 TERM 2	Year 1 TERM 3 & 4 (Spring/Summer)
PHAR 190.0: Introduction to the College/Program/Year 1	PHAR 123.3: Foundational Sciences 3: Foundational Pathophysiology & Pharmacology 2	(Spring Summer) PHAR 185.4: Introductory Community Pharmacy Practice Experience
PHAR 121.3: Foundational Sciences 1: Foundational Pathophysiology & Pharmacology 1	PHAR 124.3: Foundational Sciences 4: Introduction to Pharmaceutics	
PHAR 122.3: Foundational Sciences 2: Medicinal Chemistry and Physical Pharmacy	PHAR 152.6: Pharmacotherapeutics 1	
PHAR 153.4: Self Care I: Non-prescription pharmaceuticals and supplies	PHAR 154.3: Self Care II: Non-prescription Pharmaceuticals and supplies	
PHAR 110.3: Introduction to Pharmacy and the Health Care System	PHAR 112.1: Pharmacy Law and Introduction to Ethics	
PHAR 162.3: Pharmacy Practice 1: The Patient Care Process	PHAR 111.1: Foundations for Practice: Pharmacy Mathematics & Calculations	
PHAR 170.3: Pharmacy Skills Development 1	PHAR 171.3: Pharmacy Skills Development 2	
PHAR 191.1: IPE activities	PHAR 192.1: IPE activities	
PHAR 188.2 Experiential Learning 1 (both Term 1 and 2)		
PHAR 189.2 Service Learning 1 (both Term 1 and 2)		
Total PharmD Credit Units: 22	Total PharmD Credit Units: 23	Total PharmD Credit Units: 4
Total MBA Credit Units: 0	Total MBA Credit Units: 0	Total MBA Credit Units: 0

<b>Year 1 Total Credits:</b>
PharmD: 49
MBA: 0

Year 2 TERM 1	Year 2 TERM 2	Year 2 TERM 3 & 4
PHAR 290.0: Introduction to Year 2	PHAR 225.3: Science of Pharmacotherapy 2: Clinical Applications	PHAR 283.4: Introductory SPEP: Hospital Pharmacy Practice Experience
PHAR 224.3: Science of Pharmacotherapy 1: Pharmaceutics and Pharmaceutical Biotechnology	PHAR 255.6: Pharmacotherapeutics 3	
PHAR 226.3: Foundational Sciences 5: Pharmacokinetics	PHAR 213.3: Management 1	
PHAR 253.6: Pharmacotherapeutics 2	PHAR 263.1: Pharmacy Practice 3	
PHAR 271.3: Evidence Based Medicine	PHAR 273.3: Pharmacy Skills Development 4	
PHAR 262.1: Pharmacy Practice 2		
PHAR 272.3: Pharmacy Skills Development 3	<b>Elective.3 taken as MBA 825.3 Financial Management</b>	
PHAR 291.1: IPE activities	PHAR 292.1: IPE activities	
PHAR 288.2 Experiential Learning 2 (both Term 1 and 2)		
<b>MBA 803.3 Business and Society</b>	<b>MBA 865.3 Accounting for Planning and Decision Making</b>	<b>MBA 830.3 Operations Management</b>
<b>Total PharmD Credit Units: 21</b>	<b>Total PharmD Credit Units: <del>21</del>18</b>	<b>Total PharmD Credit Units: 4</b>
<b>Total MBA Credit Units: 3</b>	<b>Total MBA Credit Units: 6</b>	<b>Total MBA Credit Units: 3</b>

<b>Year 2 Total Credits:</b>
<b>PharmD: 43</b>
<b>MBA: 12</b>

Year 3 Term 1	Year 3 Term 2	Year 3 TERM 3 & 4 (Spring /
PHAR 390.0: Introduction to year 3	PHAR 395.3: Preparing for Patient Care/Complex cases (Capstone)	
PHAR 324.3: Science of Pharmacotherapy 3: Toxicology	PHAR 359.6: Pharmacotherapeutics 6	
PHAR 358.6: Pharmacotherapeutics 5	PHAR 315.3: Issues in Health Care and Pharmacy Practice	
PHAR 314.3: Management 2/Issues in Health Care and Pharmacy	PHAR 368.1: Pharmacy Practice 6	
PHAR 367.1: Pharmacy Practice 5	PHAR 375.3: Pharmacy Skills Development	
PHAR 374.3: Pharmacy Skills Development 5		
PHAR 388.2 Experiential Learning 3 (taken both Term 1 and 2)		
PHAR 391.1: IPE activities	PHAR 392.1: IPE Activities	
<b>Elective.3 taken as MBA 813 Strategic Human Resources</b>	<b>Elective.3 taken as MBA 870.3 Corporate Finance</b>	<b>MBA 878.3 International Business and Global Marketing</b>
<b>MBA 829.3 Financial Statement Analysis</b>		<b>MBA 885.3 Essential Management Skills</b>
<b>Total PharmD Credit Units: 21-18</b>	<b>Total PharmD Credit Units: 21-18</b>	<b>Total PharmD Credit Units: 0</b>
<b>Total MBA Credit Units: 6</b>	<b>Total MBA Credit Units: 3</b>	<b>Total MBA Credit Units: 6</b>

<b>Year 3 Total Credits:</b>
<b>PharmD: 36</b>
<b>MBA: 15</b>



Year 4 (32 weeks over 3 terms: Spring & Summer, Fall and Winter)	Year 4 Term 2	Year 4 TERM 3 & 4 (Spring/Summer)
PHAR 490.0: Introduction to Year 4	MBA 846.3 Entrepreneurship	MBA 828.3 Tactical Strategy
PHAR 481.8: Advanced Practice Experience 1: Acute Care (Hospital) Experience (8 weeks)	MBA 889.3 Integrative Module #2 (continued)	MBA 889.3 Integrative Module #3 (completed)
PHAR 482.8: Advanced Practice Experience 2: Community Pharmacy Experience (8 weeks)	MBA 992.3 Venture Management Project	MBA 992.3 Venture Management Project (completed)
PHAR 483.8: Advanced Practice Experience 3: Other Direct Patient Care Experience (8 weeks)		
PHAR 484.8: Advanced Practice Experience 4: Elective Practice Experience (8 weeks) (or both PHAR 485.4 and 486.4; 2 x 4 weeks))		
PHAR 487.1, PHAR 488.1, and PHAR 489.1: Integrating Seminar (1 in each term)		
<b>MBA 889.3 Integrative Module #1</b>		
<b>Total PharmD Credit Units: 35</b>	<b>Total PharmD Credit Units: 0</b>	<b>Total PharmD Credit Units: 0</b>
<b>Total MBA Credit Units:</b>	<b>Total MBA Credit Units: 3</b>	<b>Total MBA Credit Units: 9</b>

\*There are two 8-week blocks in the 4<sup>th</sup> year pharmacy program where the students have no pharmacy SPEP rotations

<b>Year 4 Total Credits:</b>
<b>PharmD: 35</b>
<b>MBA: 12</b>

Combined Program Total Credit Units

<b>TOTAL PharmD Credit Units: <del>172</del> 163</b>
<b>TOTAL MBA Credit Units: 45-39</b>

## Catalogue Description

### Doctor of Pharmacy (Pharm.D.) and Master of Business Administration (M.B.A.) Combined Degrees

M.B.A. courses offered in the combined Pharm.D./M.B.A. program will allow students to learn a variety of business concepts including team building, leadership and business strategy, and how these business concepts are integrated into business decisions. Pharm.D. students will integrate these business and management skills into their professional practice and enhance their effectiveness in managing in complex environments, regardless of their chosen career path.

#### Admission Requirements:

- A valid offer of admission to the PharmD program or up to 12 months of registration in the PharmD program. Students must express their interest in the combined program to the Administrative Officer Undergraduate Affairs in the College of Pharmacy & Nutrition.
- Selection criteria will be based on the following: 1) minimum weighted average of 70% in the last two full years of study (or 60 credit units to the nearest term if they are a U of S grad); 2) minimum of 60% in all PharmD courses with no failures in the PharmD program (if applicable); 3) letter of intent.
- All posted admission requirements for the MBA program.
- The Admissions Committee in the College of Pharmacy and Nutrition will make a recommendation to the joint PharmD/MBA Admissions Committee.

## Program Requirements:

A minimum of 202 credit units:

MBA 803.3

MBA 825.3

MBA 865.3

MBA 830.3

MBA 813.3

MBA 829.3

MBA 870.3

MBA 878.3

MBA 885.3

MBA 889.3

MBA 846.3

MBA 992.3

MBA 828.3

PHAR 190.0

PHAR 121.3

PHAR 122.3

PHAR 153.4

PHAR 110.3

PHAR 162.3

PHAR 170.3

PHAR 188.2

PHAR 189.2

PHAR 191.1

PHAR 123.3

PHAR 124.3

PHAR 152.6

PHAR 154.3

PHAR 112.1

PHAR 111.1

PHAR 171.3

PHAR 192.1

PHAR 185.4

PHAR 290.0

PHAR 224.3

PHAR 226.3

PHAR 253.6

PHAR 271.3

PHAR 262.1

PHAR 272.3

PHAR 288.2  
PHAR 291.1  
PHAR 225.3  
PHAR 255.6  
PHAR 213.3  
PHAR 263.1  
PHAR 273.3  
PHAR 292.1  
PHAR 283.4  
PHAR 390.0  
PHAR 324.3  
PHAR 358.6  
PHAR 314.3  
PHAR 367.1  
PHAR 374.3  
PHAR 388.2  
PHAR 391.1  
PHAR 395.3  
PHAR 359.6  
PHAR 315.3  
PHAR 368.1  
PHAR 375.3  
PHAR 392.1  
PHAR 490.0  
PHAR 481.8  
PHAR 482.8  
PHAR 483.8  
PHAR 484.8 or PHAR 485.4 and PHAR 486.4  
PHAR 487.1  
PHAR 488.1  
PHAR 489.1