

Program Planning Summary

Bachelor of Science in Pharmaceutical Studies

to be offered by

Francis Marion University

A handwritten signature in black ink, appearing to read 'L. F. Carter', written in a cursive style.

Luther F. Carter, President
Francis Marion University

October 31, 2011

Commission on Higher Education Program Planning Summary

I. Name of Proposed Program: Bachelor of Science in Pharmaceutical Studies

II. Academic Unit: Francis Marion University Department of Chemistry

III. Designation, Type, and Level of Degree: New Program Planning Summary, Undergraduate Program, Bachelor of Science in Pharmaceutical Studies

IV. Number of Credit Hours in Program: 120

V. Proposed Date of Implementation: August 2013

VI. CIP Code: 51.2099

VII. Delivery Mode: Traditional

VIII. LIFE/PFS Enhancement: Only during the three years at Francis Marion University.

IX. Program Description

Francis Marion University requests approval of a Bachelor of Science in Pharmaceutical Studies which will be offered under a Memorandum of Agreement with the South Carolina College of Pharmacy. Students in the Pre-Pharmacy track at FMU will be eligible for this degree program if they complete the required 90 hours at FMU (including General Education), are accepted into the Doctor of Pharmacy program at the South Carolina College of Pharmacy, and successfully complete 30 hours in their first year at the College of Pharmacy at either USC or MUSC.

X. Justification of Need

One of the key programs offered by the Chemistry Department at Francis Marion University is the Pre-Pharmacy Curriculum. This requires 70 credit hours in science, math, and general education courses. Students who complete the required courses, and who compile a good enough record, are accepted into a College of Pharmacy, most commonly the South Carolina College of Pharmacy, and transfer there after two, or more commonly three years. These students are then, on paper, seen as not graduating from Francis Marion University, even though they have been successfully prepared by the University for Graduate Studies in Pharmacy.

This proposal would allow those students who spend three years at Francis Marion University, and who complete a minimum of 90 credit hours including all general education and pre-pharmacy requirements, to transfer back to the University 30 credit hours from their first year at the College of Pharmacy. They would then be awarded a Bachelor of Science in Pharmaceutical Studies from the University. Francis Marion University would gain credit for a successful graduate, and the student would receive a degree in four years. Under the current system, the student receives no degree until completion of the Doctor of Pharmacy degree, after four years at the College of Pharmacy.

XI. Anticipated Program Demand and Productivity

Currently there are 30 students declared as Pre-Pharmacy at the University. Of these students, 7 are freshmen, 13 are sophomores, 8 are juniors, and 2 are seniors. Our University has on average 5 to 7 students each year accepted into a PharmD program. Most go to the College of Pharmacy at either USC or MUSC, rarely do students leave the State of South Carolina or select Presbyterian College for their PharmD program. We anticipate at least 5 students per year will be able to complete the Bachelor of Science in Pharmaceutical Studies.

XII. Assessment of Extent to which the Proposed Program Duplicates Existing Programs in the State

In the state only one institution offers a baccalaureate degree similar to the one proposed by Francis Marion University. Clemson University established in 1974 its Pre-professional Bachelor of Arts/Science to students who complete 3 years of undergraduate work and their first year at an accredited medical, dental, veterinary, law, or other accredited, professional school.

XIII. Relationship of the Proposed Program to Existing Programs at the Proposing Institution

This proposed program will run simultaneously with other programs in the Department of Chemistry and is seen as a way to recruit students into this area.

XIV. Relationship of the Proposed Program to Other Institutions via Inter-institutional Cooperation

The proposed program will be run through a memorandum of understanding with the South Carolina College of Pharmacy. The College of Pharmacy admission standards will be strictly adhered to and students who wish to receive the Bachelor of Science in Pharmaceutical Studies must successfully complete 30 hours at the College of Pharmacy in addition to the minimum 90 hours required by the University.

XV. Curriculum

The proposed program will require a minimum of 90 hours at Francis Marion University which will include the Pre-Pharmacy curriculum as well as the University General Education requirements. The table below summarizes these hours:

Biology	General Biology (Bio 105, 106), Human Anatomy (Bio 205), Human Physiology (Bio 406)	16 hours
Chemistry	General Chemistry (Chem 101, 102) Organic Chemistry (Chem 201, 202)	16 hours
Mathematics	College Trig (Math 132), Probability and Statistics (Math 134), Differential Calculus (Math 201)	9 hours
Physics	General Physics (Phys 215, 216)	8 hours
English	English Composition (Eng 112, 200)	6 hours
Economics	Intro to Macroeconomics (Econ 204)	3 hours
Psychology	Intro to Psychology (Psy 206)	3 hours
Speech Communications	Oral Communications (Spco 101)	3 hours
	Pre-Pharmacy Courses	64 hours
Social Science	Political Science 101 or 103	3 hours
	Anthropology, Economics, Geography, Political Science, or Sociology	6 hours
Humanities	Literature (any language)	3 hours

	History	3 hours
	Art 101, Music 101, or Theater 101	3 hours
	Art, History, Literature (any language), Music, Philosophy and Religious Studies or Theater	3 hours
	Electives	5 hours
	General Education (plus Electives)	26 hours

In addition, 30 hours must successfully be completed (grade of C or higher) by the student at the College of Pharmacy. The first year at the College of Pharmacy includes the following curriculum:

Fall P1 (semester 1)	Hours	Spring P1 (semester 2)	Hours
SCCP 600 - Integrated Physiology-Pathophysiology I	2	SCCP 601 - Integrated Physiology-Pathophysiology II	5
SCCP 605 - Pharmaceutics I	3	SCCP 606 - Pharmaceutics II	3
SCCP 610 - Microbiology/Immunology	4	SCCP 616 - Biochemistry/Biotechnology II	2
SCCP 615 - Biochemistry/Biotechnology I	3	SCCP 620 - Intro. to Pharmacology and Med. Chem.	3
SCCP 650 - Introduction to Pharmacy Practice	2	SCCP 670 - Intro. to Community Pharmacy Lab I	1
SCCP 655 - Pharmacy Calculations and Med. Terminology	1	SCCP 661 - Clinical Applications II	1
SCCP 660 - Clinical Applications I	1	SCCP 680 - Intro. to Drug Information	1
SCCP 671 - Compounding & Applied Pharmaceutics Lab	1	Spring Semester Total:	16
Spring Semester Total:	17		

XVI. Total New Costs Associated with Implementing the New Program

- A. Personnel Budget: No additional faculty required. The current academic advisor for this program will remain the same.
- B. Equipment and materials: No additional equipment or materials required.
- C. Facilities: No additional facilities required.
- D. Revenue: Additional revenue will be generated through the students completing an additional 20 hours of course credit at Francis Marion University before they continue on to the College of Pharmacy.