

<b>USC SCHOOL</b>	Pharmacy
<b>ACADEMIC DEPARTMENT</b>	Regulatory and Quality Sciences
<b>GRADUATE PROGRAM</b>	Master of Science in Management of Drug Development
<b>POST CODE</b>	1457
<b>TERM EFFECTIVE DATE</b>	Spring 2021

**PROGRAM DESCRIPTION**

A brief description of the graduate program.

The STEM designated Management of Drug Development program is designed for students with a background in preclinical biological and pharmaceutical science. It aims at producing entry- and mid-level scientists with the knowledge and skills appropriate for professional practice in translational research, with particular emphasis on the area of transition between early stage preclinical drug discovery and clinical drug development. This area, commonly referred to as the “valley of death,” represents one of the most challenging and important areas in translational research, yet programs designed to train and educate future translational science leaders are lacking.

**COMMON BACHELOR DEGREE PROGRAM PATHWAYS**

A list of common bachelor’s degrees that undergraduate students pursue in advance of pursuing a progressive degree option with this graduate program. Some programs are restricted to certain majors while others are open to all students.

Open to all majors; Basic Biology and Chemistry knowledge preferred.	
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**PREPARATORY UNDERGRADUATE COURSES**

A list of courses at the undergraduate level that prepare students for the graduate program. Required coursework is listed first, followed by recommended courses. If not applicable, this section will be blank.

Dept. Prefix - Course #	Course Title	Required or Recommended	Units
	NONE		

**UNDERGRADUATE COURSES USED TO REDUCE GRADUATE LEVEL UNITS**

A list of undergraduate level courses that may be used to reduce the number of graduate level units required for the graduate program. If there are none, that is specified instead.

Dept. Prefix - Course #	Course Title	Units
	NONE	

**CORE GRADUATE PROGRAM REQUIREMENTS (# units required)**

A list of all required graduate courses for the graduate program. None of these courses may be used toward satisfying undergraduate degree requirements.

*If special exceptions for any of these courses are made by the academic department, the course # is marked with an asterisk (\*) and the exception is explained in the "Department Notes" section at the end of this course plan template.*

<b>Dept. Prefix - Course #</b>	<b>Course Title</b>	<b>Units</b>
MPTX 511	Introduction to Medical Product Regulation	3
RSCI 531	Industrial Approaches to Drug Discovery	4
MPTX 517	Structure & Management of Clinical Trials	4
RSCI 532	Early Stage Drug Development	3
RSCI 520	Introduction to Risk Management for Health Care Products	2
RSCI 601	Biomedical Commerce	4
	ELECTIVE	3
	ELECTIVE	3

**PRE-APPROVED ELECTIVE COURSEWORK**

Elective coursework is approved at the discretion of the academic department. Note the following details about the total number and units required of elective coursework.

3
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**TOTAL ELECTIVE COURSES REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE**

6
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**TOTAL ELECTIVE UNITS REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE**

**TOTAL UNIT COUNTS AND REQUIRED GRADUATE UNITS**

32
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**TOTAL UNITS REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE**

0
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**TOTAL GRADUATE UNITS THAT MAY BE WAIVED (IF ANY)**

26
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**MINIMUM NUMBER OF GRADUATE UNITS THAT MUST BE AT THE 500 LEVEL OR ABOVE**

**NOTES FROM THE DEPARTMENT**

This section highlights any unique considerations, exceptions, or requirements for the graduate program. If a program has specific restrictions (courses, majors, etc.), they are detailed below.

N/A
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Vassilios Papadopoulos

**Name of Authorizing Master's Program Dean**

4/6/21

**Date Approved**

Dean School of Pharmacy

**Authorizing Dean's Title**