

# PATHWAYS

## Pharmaceutical Manufacturing Technology

(A.A.S. Degree)

FALL 2018-SPRING 2019

### REMEDIAL SEQUENCE (if required)

ESL 1 (8) ▶▶  ESL 2 (6) ▶▶  ESL 3 (6) ▶▶  ENG 9 (4)

ENG 1 (4) ▶▶  ENG 2 (4)

RDL 1 (4) ▶▶  RDL 2 (6)

MTH 1 (4) ▶▶  MTH 5 (6) ▶▶  MTH 6 (6)

CHM 2 (4)

### GRADUATION REQUIREMENTS

CAT-R  CAT-W  CAT-M  GPA ≥ 2.0

Writing Intensive 1  Writing Intensive 2

### FRESHMAN SEMINAR

FYS 11

<sup>1</sup>Students can substitute PHY 11 for BIO 12. Students who wish to substitute both PHY 11 and PHY 12 for BIO 11 and BIO 12 need department approval.

<sup>2</sup>Students can substitute MUS 10, or any PEA one-credit course, or CPR 10, or WFA 10 for ART 10.

<sup>3</sup>Students intending to transfer to four-year programs should substitute MTH 30 and MTH 31 and 32 for MTH 13 and MTH 14.

<sup>4</sup>Students may choose any combination of restricted electives CHM 39, CHM 40, PMT 41, PMT 42 and PMT 43 to meet the program credits requirement.

### REQUIRED COMMON CORE

<input type="checkbox"/> A	English Composition ENG 110 Fundamentals of Composition and Rhetoric OR ENG 111 Composition and Rhetoric I	3
<input type="checkbox"/> C	Life and Physical Sciences CHM 11 General Chemistry I	4
<b>Subtotal:</b>		<b>7</b>

### FLEXIBLE COMMON CORE

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World	3
<input type="checkbox"/> D	Individual and Society COMM 11 Fundamentals of Interpersonal Communication	3
<input type="checkbox"/> E	Scientific World CHM 12 General Chemistry II	4
<input type="checkbox"/> E	Additional Flexible Core Requirement – Scientific World BIO 11 General Biology <sup>1</sup>	4
<b>Subtotal:</b>		<b>14</b>

### MAJOR REQUIREMENTS

<input type="checkbox"/> ART 10	Art Survey <sup>2</sup>	1
<input type="checkbox"/> BIO 12	General Biology II <sup>1</sup>	4
<input type="checkbox"/> CHM 27	Principles of Laboratory Safety	2
<input type="checkbox"/> CHM 31	Organic Chemistry I	5
<input type="checkbox"/> CHM 32	Organic Chemistry II	5
<input type="checkbox"/> CHM 37	Quantitative Instrumental Analysis	4
<input type="checkbox"/> CHM 38	Computer Applications in Chemistry	2
<input type="checkbox"/> RESTRICTED ELECTIVES <sup>4</sup>	Select any <u>two</u> from the following: (5-6 credits)	
	CHM 39 Foundations of Pharmaceutical Process Technology	3
	CHM 40 Pharmaceutical and Chemical Technology	3
	PMT 41 Pharmaceutical Chemistry	3
	PMT 42 Pharmaceutical Product Preparation	3
	PMT 43 Pharmaceutical Laws and Regulations	2
<input type="checkbox"/> ELECTIVES	Free Electives to complete the 60 credit requirement	1-2
<input type="checkbox"/> ENG 223	Technical Writing	3
<input type="checkbox"/> MTH 13	Trigonometry and College Algebra <sup>3</sup>	3
<input type="checkbox"/> MTH 14	Algebra and Introduction to Calculus <sup>3</sup>	3
<b>Subtotal:</b>		<b>39</b>
<b>TOTAL:</b>		<b>60</b>