

PATHWAYS

Pharmaceutical Manufacturing Technology

(A.A.S. Degree)

FALL 2014-SPRING 2015

REMEDIAL SEQUENCE (if required)

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

ENG 1 (4) ▶▶ ENG 2 (4)

RDL 1 (5) ▶▶ RDL 2 (5)

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 REQUIREMENT

FYS 11 / OCD 1

¹Students 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.

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

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

⁴Students 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 (course list available online)

<input type="checkbox"/> A	English Composition ENG 10 Fundamentals of Composition and Rhetoric OR ENG 11 Composition and Rhetoric I	3
<input type="checkbox"/> C	Life and Physical Sciences CHM 11 General Chemistry I	4
Subtotal:		7

FLEXIBLE COMMON CORE (course list available online)

<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 ¹	4
Subtotal:		14

REQUIRED AREA OF STUDY I

<input type="checkbox"/> ART 10	Art Survey ²	1
<input type="checkbox"/> BIO 12	General Biology II ¹	4
<input type="checkbox"/> CHM 31	Organic Chemistry I	5
<input type="checkbox"/> CHM 32	Organic Chemistry II	5
<input type="checkbox"/> ENG 223	Technical Writing	3
<input type="checkbox"/> MTH 13	Trigonometry and College Algebra ³	3
<input type="checkbox"/> MTH 14	Algebra and Introduction to Calculus ³	3
Subtotal:		24

SPECIALIZATION REQUIREMENTS

<input type="checkbox"/> CHM 27	Principles of Laboratory Safety	2
<input type="checkbox"/> 27/CHM 37	Quantitative Instrumental Analysis	4
<input type="checkbox"/> CHM 38	Computer Applications in Chemistry	2
<input type="checkbox"/> ELEC ⁴	Restricted Electives Select any two 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"/> ELEC	Free Electives to complete the 60 credit requirement	1-2
Subtotal:		15
TOTAL:		60