

## Pharmaceutical Manufacturing Technology (A.A.S. Degree)

### REMEDIAL SEQUENCE (if required)

<input type="checkbox"/> ESL 1 (8) ▶▶	<input type="checkbox"/> ESL 2 (6) ▶▶	<input type="checkbox"/> ESL 3 (6) ▶▶	<input type="checkbox"/> ENG 9 (4)
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<input type="checkbox"/> ENG 1 (4) ▶▶	<input type="checkbox"/> ENG 2 (4)
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<input type="checkbox"/> RDL 1 (4) ▶▶	<input type="checkbox"/> RDL 2 (6)
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<input type="checkbox"/> MTH 1 (4) ▶▶	<input type="checkbox"/> MTH 5 (6) ▶▶	<input type="checkbox"/> MTH 6 (6)
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<input type="checkbox"/> CHM 2 (4)
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### GRADUATION REQUIREMENTS

<input type="checkbox"/> CAT-R	<input type="checkbox"/> CAT-W	<input type="checkbox"/> CAT-M	<input type="checkbox"/> GPA ≥ 2.0
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<input type="checkbox"/> Writing Intensive I	<input type="checkbox"/> Writing Intensive II
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### FRESHMAN SEMINAR

<input type="checkbox"/> FYS 11	1
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### PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> A	English Composition ENG 10 or ENG 11	3
<input type="checkbox"/> C	Life and Physical Science CHM 11	4

### PATHWAYS FLEXIBLE CORE (course list available online)

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10 or HIS 11 <sup>5</sup>	3
<input type="checkbox"/> D	US Experience in its Diversity COMM 11	3
<input type="checkbox"/> E	Scientific World CHM 12	4
<input type="checkbox"/> E <sup>1</sup>	Additional Flexible Core Requirement-Scientific World BIO 11	4

Pathways Total: 21-25

<sup>1</sup>Students intending to transfer to a four-year program should substitute MTH 30, MTH 31 and MTH 32 in lieu of MTH 13 and MTH 14.

<sup>2</sup>CHM 2 is a pre-requisite for CHM 11 and CHM 17. You can place out of CHM 2 by taking a Chemistry Department administered Chemistry Placement Exam or by having scored 75 or higher on the NYS High School Regents Chemistry exam.

<sup>3</sup>Students can substitute MUS 10, or any PEA one-credit course, or CPR 10, or WFA 10 for ART 10.

<sup>4</sup>Students can substitute PHY 11 in lieu of BIO 12. Students who wish to substitute both PHY 11 and PHY 12 in lieu of BIO 11 and BIO 12 need department approval.

<sup>5</sup>Students with remedial placement above ENG 1 & RDL 1 will take HIS 11.

<sup>6</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.

\*Please note that this program is not currently accepting new students.

## TWO-YEAR ACADEMIC PLAN\*

### SEMESTER I (Freshman)

		Credits
<input type="checkbox"/> ENG 110 OR ENG 111	Fundamentals of Composition and Rhetoric OR Composition and Rhetoric I ( <b>Required Core A</b> )	3
<input type="checkbox"/> MTH 13 <sup>1</sup>	Trigonometry & College Algebra ( <b>Major Requirement</b> )	3
<input type="checkbox"/> CHM 11 <sup>2</sup>	General College Chemistry I ( <b>Required Core C</b> )	4
<input type="checkbox"/> COMM 11	Fundamentals of Interpersonal Communication ( <b>Flexible Core D</b> )	3
<input type="checkbox"/> ART 10 <sup>3</sup>	Art Survey ( <b>Major Requirement</b> )	1
<b>Subtotal:</b>		<b>14</b>

### SEMESTER II (Freshman)

<input type="checkbox"/> MTH 14 <sup>1</sup>	Algebra and Introduction to Calculus ( <b>Major Requirement</b> )	3
<input type="checkbox"/> CHM 12	General College Chemistry II ( <b>Flexible Core E</b> )	4
<input type="checkbox"/> BIO 11 <sup>4</sup>	General Biology I ( <b>Flexible Core E</b> )	4
<input type="checkbox"/> HIS 10 <sup>5</sup>	History of the Modern World ( <b>Flexible Core A</b> )	3
<b>Subtotal:</b>		<b>14</b>

### SEMESTER III (Sophomore)

<input type="checkbox"/> BIO 12 <sup>4</sup>	General Biology II ( <b>Major Requirement</b> )	4
<input type="checkbox"/> CHM 31	Organic Chemistry ( <b>Major Requirement</b> )	5
<input type="checkbox"/> CHM 27	Principles of Laboratory Safety ( <b>Major Requirement</b> )	2
<input type="checkbox"/> Restricted Electives - Select <b>two</b> from the following: <sup>6</sup>	CHM 39 OR CHM 40 OR PMT 41 OR PMT 42 OR PMT 43 ( <b>Major Requirements</b> )	5-6
<b>Subtotal:</b>		<b>16-17</b>

### SEMESTER IV (Sophomore)

<input type="checkbox"/> CHM 32	Organic Chemistry II ( <b>Major Requirement</b> )	5
<input type="checkbox"/> CHM 37	Quantitative Instrumental Analysis ( <b>Major Requirement</b> )	4
<input type="checkbox"/> CHM 38	Computer Applications in Chemistry ( <b>Major Requirement</b> )	2
<input type="checkbox"/> ENG 223	Technical Writing ( <b>Major Requirement</b> )	3
<input type="checkbox"/> Free Elective	Free Elective to complete 60 credits	1-2
<b>Subtotal:</b>		<b>15-16</b>

**TOTAL: 60**