

## TRANSFER ADVISING GUIDE

### Chemistry (A.S.) from Middlesex County College to Chemistry (B.S.) at Rider University

<i>MIDDLESEX COUNTY COLLEGE COURSE</i>	<b>Cr</b>	<i>RIDER UNIVERSITY COURSE/AREA</i>	<b>Cr</b>
<i>A.S., Chemistry</i>		<i>SATISFIED</i> <i>B.S., Chemistry</i> <i>(120 Credits)</i>	
<b>Semester I</b>			
CHM 121 General Chemistry I	4	CHE 120 Principles of Chemistry I (3)	4
CHM 125 General Chemistry I Lab		CHE 121L Principles of Chemistry I Lab (1)	
CSC 106 Intermediate PC Applications with Programming	3	CIS 185 Information Systems Essentials	3
ENG 121 English Composition I	3	CMP 120 Expository Writing	3
MAT 129 Pre-Calculus I For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)	4	MTH 105 Algebra & Trigonometry For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)	4
Physical Education Electives	1/3	NOT TRANSFERRABLE	0
	<b>15/17</b>		<b>14</b>
<b>Semester II</b>			
CHM 122 General Chemistry II (3)	4	CHE 122 Intro to Chemical Systems (3)	4
CHM 126 General Chemistry II Lab (1)		CHE 123L Quantitative Methods Lab (1)	
ENG 122 English Composition II	3	CMP 125 Research Writing	3
MAT 131 Analytic Geometry & Calculus I For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)	4	MTH 210 Calculus I For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)	4
Gen. Education Humanities Elective Suggest: Select 2 language in sequence from (FRE; GER; ITA; SPA)	3	Foreign Language Core <sup>v</sup>	3
Gen. Ed. Social Science Elective <b>Suggest:</b> SOC 121 Introduction to Sociology	3	SOC 101 Sociological Imagination	3
	<b>17</b>		<b>17</b>
<b>Semester III</b>			
CHM 221 Organic Chemistry I (3)	4	CHE 211 Organic Chemistry I (3)	4
CHM 227 Organic Chemistry I Lab (1)		CHE 211L Organic Chemistry I Lab (1)	
PHY 123 General Physics I (3)	4	PHY 100 Principles of Physics I (3)	4
PHY 125 General Physics I Lab (1)		PHY 100L Principles of Physics I Lab (1)	
CHM 230 Analytical Chemistry	4	CHE 250 Quant. Analy. & Stat. Meth. (3)	4
		CHE 250L Quant. Analy. & Stat. Meth. Lab (1)	
Gen Ed. Humanities Elective <b>Suggest:</b>	3	Foreign Language Core <sup>v</sup>	3

Select 2 language in sequence from (FRE; GER; ITA; SPA)			
	<b>15</b>		<b>18</b>
<b>Semester IV</b>			
CHM 222 Organic Chemistry II	4	CHE 214 Organic Chemistry II	4
CHM 228 Organic Chemistry II Lab		CHM 214L Organic Chemistry II Lab	
PHY 124 General Physics II (3)	4	PHY 101 Principles of Physics II (3)	4
PHY 126 General Physics II Lab (1)		PHY 101L Principles of Physics II Lab (1)	
CHM 240 Research in Chemistry	4	Elective $\bar{O}$	0/4
Technical Elective : Please note that the Biology courses listed below will not count toward the Chemistry Major at Rider and will be classified as an Elective. (BIO-123; BIO-124; BIO-228; BIO-251; BIO-252)  <b>For this technical elective will MCC &amp; Rider agree that for transfer we suggest:</b> <b>MAT 132 Analytic Geometry &amp; Calculus II</b>	4	Please note that the Biology courses listed below will not count toward the Chemistry Major at Rider and will be classified as an Elective. (BIO-115-115L; BIO-116-116L; BIO-265-265L; BIO-260-260L)  <b>MTH 211 Calculus II</b>	4
	<b>16</b>		<b>12/16</b>
	<b>63/65</b>		<b>60</b>

<p><b>FREE COURSE: Rider Course Option:</b> CHE-250- Quantitative Analysis &amp; Statistical Methods (3) CHE-250L Quantitative Analysis &amp; Statistical Methods Lab (0) Co-requisite CHE-250L, Rider pre-requisites (CHE-122; CHE-123; MTH-210) OR Select a course in conjunction and approved by the Rider University Chemistry Chairperson.  (While this course is offered at MCC in Semester III, it carries 18 credits and might lighten the academic load of the MCC student.)</p>	<p>Following completion of the Rider Intent to Enroll Form and while a student at Middlesex; students have the option to take a <b>free</b> course at Rider that counts toward the Rider degree. The selected course allows the Middlesex student to experience first-hand the academic environment at Rider University.</p> <p>See Middlesex and Rider Transfer Representatives for additional information.</p> <p>All contact information is listed below.</p>	4
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**Rider University Footnotes:**

$\bar{O}$  – Students have a number of options to satisfy this requirement; courses will be evaluated on an individual basis.

For transfer credit the Middlesex student must have a grade of “C” or higher in all courses. (No transfer credit will be accepted for any course with a grade of “C-“ or below.)

Middlesex students interested in the College of Continuing Studies (CCS) at Rider should contact that division directly.

**Requirements are subject to change. This Advising Guide is best used in consultation with an advisor.**

**COURSES REMAINING FOR A BACHELOR OF SCIENCE DEGREE IN CHEMISTRY**  
**AT RIDER UNIVERSITY\***

<b>Course Number</b>	<b>Rider University Course Name or Core Area</b>	<b>Credits</b>	<b>Notes* (if course can be taken at Middlesex, indicate course number)</b>

**FOR FURTHER INFORMATION, CONTACT**

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