

## 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>B.S., Chemistry</i><br><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<br>For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)                 | 4            | MTH 105 Algebra & Trigonometry<br>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<br>For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.) | 4            | MTH 210 Calculus I<br>For transfer, Rider encourages MCC students to complete Calculus I & II by the end of the sophomore year.)             | 4         |
| Gen. Education Humanities Elective Suggest:<br>Select 2 language in sequence from (FRE; GER; ITA; SPA)   | 3            | Foreign Language Core <sup>ϕ</sup>   | 3         |
| Gen. Ed. Social Science Elective<br><b>Suggest:</b><br>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<br><b>Suggest:</b>   | 3            | Foreign Language Core <sup>ϕ</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<br>CHM 228 Organic Chemistry II Lab  | 4            | CHE 214 Organic Chemistry II<br>CHM 214L Organic Chemistry II Lab   | 4            |
| PHY 124 General Physics II (3)<br>PHY 126 General Physics II Lab (1)  | 4            | PHY 101 Principles of Physics II (3)<br>PHY 101L Principles of Physics II Lab (1)   | 4            |
| CHM 240 Research in Chemistry   | 4            | Elective $\bar{O}$  | 0/4          |
| Technical Elective :<br>Please note that the Biology courses listed below will not count toward the Chemistry Major at Rider and will be classified as an Elective.<br>(BIO-123; BIO-124; BIO-228; BIO-251; BIO-252)<br><br><b>For this technical elective will MCC &amp; Rider agree that for transfer we suggest:</b><br><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.<br>(BIO-115-115L; BIO-116-116L; BIO-265-265L; BIO-260-260L)<br><br><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><br/>CHE-250- Quantitative Analysis &amp; Statistical Methods (3)<br/>CHE-250L Quantitative Analysis &amp; Statistical Methods Lab (0)<br/>Co-requisite CHE-250L,<br/>Rider pre-requisites (CHE-122; CHE-123; MTH-210)<br/>OR<br/>Select a course in conjunction and approved by the Rider University Chemistry Chairperson.</p> <p>(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 |
|---|--|---|

**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**

**Elizabeth B. Pajauis**  
Transfer Advisor  
Middlesex County College  
732-906-2595  
[epajauis@middlesexcc.edu](mailto:epajauis@middlesexcc.edu)

**Transfer Admission**  
Senior Assistant Director of Transfer Admission  
Rider University  
609.896.5000 X 7159  
[admissions@rider.edu](mailto:admissions@rider.edu)