

TRANSFER ADVISING GUIDE

Associate of Science (A.S.) Chemistry from Raritan Valley Community College to a Bachelor of Science (B.S.) Chemistry at Rider University						
<i>RARITAN VALLEY COMMUNITY COLLEGE</i> <i>COURSE</i> <i>A.S., Chemistry</i>	Cr	<i>RIDER UNIVERSITY COURSE/AREA</i> <i>SATISFIED</i> <i>B.S., Chemistry</i> <i>(120 Credits)</i>	Cr			
First Semester						
ENGL 111 English Composition I	3	CMP 120 Seminar in Writing & Rhetoric	3			
CHEM 103 General Chemistry I	4	CHE 120 Principles of Chemistry (3) CHE 121 Principles of Chemistry I Lab (1)	4			
MATH 112 Precalculus I ¹ (MATH-112 & MATH-113 – both courses combined count for MTH-105 at Rider for a total of 4 credits)	3	MTH 105 Algebra & Trigonometry	3			
Social Sciences ² For transfer Rider suggests: SOCI 101 Intro to Sociology OR POLI 101 Intro to Political Science	3	Social Perspectives [⊖] SOC 101 Sociological Imagination OR POL 102 Understanding Politics	3			
Free Elective ³	1	LAS Elective [⊖]	1			
	14		14			
Second Semester						
ENGL 112 English Composition II	3	CMP 125 Seminar in Writing & Research	3			
MATH 113 Precalculus II ¹ (MATH-112 & MATH-113 – both courses combined count for MTH-105 at Rider for a total of 4 credits)	3	MTH 105 Algebra & Trigonometry	1			
CHEM 104 General Chemistry II	4	CHE 122 Intro to Chemical Systems (3) CHE 123 Quantitative Methods Lab (1)	4			
Humanities ² For transfer credit Rider suggests Foreign Language or History sequence: Foreign Language A two-semester sequence of the same language is required. OR HIST 101 World Civilization I	3	Foreign Language Proficiency [⊖] (FRE, ITA, SPA CHD) A two-semester sequence of the same language is required. OR Historical Perspectives HIS 150 World History to 1500	3			
	13		11			
Third Semester						
MATH 151 Calculus I	4	MTH 210 Calculus I	4			

CHEM 211 Organic Chemistry I	5	CHE 211 Organic Chemistry I (4) CHE 211L Organic Chemistry I Lab (0)	4/5
PHYS 101 General Physics I OR PHYS 150 Analytical Physics I ⁴	4	BIO 350 General Ecology OR PHY 200 General Physics I	4
Humanities ² For transfer credit Rider suggests Foreign Language or History sequence: Foreign Language ³ A two-semester sequence of the same language is required. OR HIST 102 World Civilization II	3	Foreign Language Proficiency ⁵ (FRE, ITA, SPA CHI) A two-semester sequence of the same language is required. OR HIS 151 World History Since 1500	3
	16		15/16
Fourth Semester			
MATH 152 Calculus II	4	MTH 211 Calculus II	4
CHEM 212 Organic Chemistry II	5	CHE 214 Organic Chemistry II CHE 214L Organic Chemistry II Lab	4/5
PHYS 102 General Physics II OR PHYS 151 Analytical Physics II ⁴	4	PHY 101 Principles of Physics II (4) PHY 101L Principles of Physics II Lab (0) OR PHY 201 General Physics II PHY	4
Science Lab ^{5,6}	4	Scientific Perspectives Lecture/Lab Combination	4
	17		16/17
	60		56/57

Raritan Valley Community College Footnotes:

1 Mathematics by official placement. Students who place directly into [MATH 151 Calculus I](#) should take two Mathematics courses in place of [MATH 112 Precalculus I](#) and [MATH 113 Precalculus II](#). Choose from the following: [MATH 110 Statistics I](#), [MATH 152 Calculus II](#), [MATH 254 Differential Equations](#), or [MATH 256 Linear Algebra](#). Students who take at least 7 credits of Mathematics to replace [MATH 112 Precalculus I](#) and [MATH 113 Precalculus II](#) do not need to take a Free Elective.

2 Select a course from the appropriate category of the [General Education](#) list.

3 Any college-level course except [CHEM 102 Introduction to Chemistry](#) or [PHYS 112 Concepts of Physics](#).

4 Students are strongly encouraged to take the calculus-based Physics sequence ([PHYS 150 Analytical Physics I](#) and [PHYS 151 Analytical Physics II](#)). [MATH 151 Calculus I](#) is a prerequisite for [PHYS 150 Analytical Physics I](#).

5 Some transfer institutions require three semesters of Physics, in which case [PHYS 250 Analytical Physics III](#) should be taken.

6 Some transfer institutions require that both semesters of a two-semester lab science sequence be taken at the same school.

Rider University Footnotes:

⁵ Students have a number of options to fulfill this requirement; courses will be evaluated on an individual basis.

For transfer credit Mercer students must have a grade of "C" or better.

FREE Rider Course Option:	Rider Course Option:	
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<p><u>Select one of the following courses:</u></p> <p>CHE-250-Quantative Analysis& Statistical Methods (4) CHE-250L-Quantative Analysis & Statistical Methods 0) (Rider pre-requisites: CHE-122, CHE-122L, MTH-210) (RVCC pre-requisite: CHEM-104, MATH-153)</p>	<p>Following completion of 30 credits and the Rider Intent to Enroll Form and while a student at RVCC; students have the option to take a free course at Rider that counts toward the Rider degree. This course allows the RVCC student to experience first-hand the academic environment at Rider.</p> <p>See RVCC or Rider Transfer Representatives for additional information.</p> <p>Contact information listed below.</p>	<p>3</p>
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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*

Course Number	Rider University Course Name or Core Area	Credits	Notes* (if course can be taken at RVCC, indicate course number)

FOR FURTHER INFORMATION, CONTACT:

Transfer & Career Services
Raritan Valley Community College
908.582.1200 X 8336 or 8330
pmichaud@rartianval.edu

Transfer Admission
Rider University
609.896.5000 X 7159
admissions@rider.edu