

## TRANSFER ADVISING GUIDE

### Associate of Science (A.S.) Biology from Raritan Valley Community College to a Bachelor of Science (B.S.) Biology at Rider University

<i>RARITAN VALLEY COMMUNITY COLLEGE</i> <i>COURSE</i>  <i>A.S., Biology</i>	<b>Cr</b>	<i>RIDER UNIVERSITY COURSE/AREA</i> <i>SATISFIED</i>  <i>B.S., Biology</i> <i>(120 Credits)</i>	<b>Cr</b>
<b>First Semester</b>			
ENGL 111 English Composition I	3	CMP 120 Seminar in Writing & Rhetoric	3
MATH 112 Precalculus I <sup>1</sup> (MATH-112 & MATH-113 – both courses combined count for MTH-105 at Rider for a total of 4 credits.)	3	Mathematics Elective <sup>‡</sup>	<b>3</b>
BIOL 101 General Biology I	4	BIO 115 Principles of Biology I (4) BIO 115L Principles of Biology I Lab (0)	4
CHEM 103 General Chemistry I	4	CHE 120 Principles of Chemistry (3) CHE 121 Principles of Chemistry Lab (1)	4
Free Elective <sup>2</sup>	1	Free Elective <sup>‡</sup>	1
	<b>15</b>		<b>15</b>
<b>Second Semester</b>			
ENGL 112 English Composition II	3	CMP 125 Seminar in Writing & Research	3
MATH 113 Precalculus II <sup>1</sup> (MATH-112 & MATH-113 – both courses combined count for MTH-105 at Rider for a total of 4 credits.)	3	MTH 105 Algebra & Trigonometry (4)	1
BIOL 102 General Biology II	4	BIO 116 Principles of Biology II (4) BIO 116L Principles of Biology II Lab (0)	4
CHEM 104 General Chemistry II	4	CHE 122 Intro to Chemical Systems (3) CHE 123 Quantitative Methods Lab (1)	4
	<b>14</b>		<b>12</b>
<b>Third Semester</b>			
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
Biology Elective (200-Level) <sup>3</sup> (Electives also repeated in Fourth Semester)			
BIOL 221 Microbiology (4) <b>OR</b>	4	BIO 215 Medical Microbiology (4) <b>OR</b>	4
BIOL 231 General Ecology (4) <b>OR</b>		BIO 350 General Ecology (4) <b>OR</b>	

BIOL 232 Field Botany (4) <b>OR</b> BIOL 242 Genetics (4)		BIO 335 Plant Biology (4) <b>OR</b> BIO 265 Genetics (4)	
Humanities <b>OR</b> Social Science <sup>4</sup> <b>For transfer Rider suggests a Language (Humanities)</b> Foreign Language A two-semester sequence of the same language is required.	3	Liberal Arts Elective <sup>5</sup> <b>OR</b> Foreign Language Proficiency <sup>5</sup> (FRE, ITA, SPA CHI) A two-semester sequence of the same language is required.	3
	<b>16</b>		<b>15/16</b>
<b>Fourth Semester</b>			
CHEM 212 Organic Chemistry II	5	CHE 214 Organic Chemistry II CHE 214L Organic Chemistry II Lab	4/5
Biology Elective (200-Level) <sup>3</sup> BIOL 221 Microbiology (4) <b>OR</b> BIOL 231 General Ecology (4) <b>OR</b> BIOL 232 Field Botany (4) <b>OR</b> BIOL 242 Genetics (4)	4	BIO 215 Medical Microbiology (4) <b>OR</b> BIO 350 General Ecology (4) <b>OR</b> BIO 335 Plant Biology (4) <b>OR</b> BIO 265 Genetics (4)	4
For transfer Rider suggests a Language (Humanities) <sup>4</sup> Foreign Language A two-semester sequence of the same language is required.	3	Foreign Language Proficiency <sup>5</sup> (FRE, ITA, SPA CHI) A two-semester sequence of the same language is required.	3
Social Science <sup>4</sup> <b>For transfer Rider suggests:</b> SOCI 101 Intro to Sociology	3	Social Perspectives SOC 101 Sociological Imagination	3
	<b>15</b>		<b>14/15</b>
	<b>60</b>		<b>60</b>

**Raritan Valley Community College Footnotes:**

<sup>1</sup> 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 111 Statistics II](#), or [MATH 152 Calculus II](#). 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.

<sup>2</sup> Any college-level course except [BIOL 111 Principles of Biology](#) or [CHEM 102 Introduction to Chemistry](#).

<sup>3</sup> Select two courses from the following: [BIOL 221 Microbiology](#), [BIOL 231 Ecology](#), [BIOL 232 Field Botany](#), [BIOL 242 Genetics](#), [BIOL 245 Cellular & Molecular Biology](#), [BIOL 247 Vertebrate Zoology](#).

<sup>4</sup> Select a course from the appropriate category of the [General Education](#) list.

**Rider University Footnotes:**

<sup>5</sup> 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.

<b>FREE Rider Course Option:</b>  <u>Select one of the following courses:</u>	<b>Rider Course Option:</b>  Following completion of 30 credits and the Rider Intent to Enroll Form and while a student at RVCC; students	<b>3</b>
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<p><b>BIO-260-Cell &amp; Molecular Biology (4)</b>  <b>BIO-260L-Principles of Biology: Cells Lab (0)</b>  (Rider pre-requisite: BIO-115, BIO-115L &amp; BIO-116, BIO-116L)  (RVCC pre-requisite: BIOL-101 &amp; BIOL-102)  <u><b>OR</b></u>  <b>BIO-215-Medical Microbiology (4)</b>  <b>BIO-215L-Microbiology Lab (0)</b>  (Rider pre-requisite: BIO-115, BIO-115L &amp; BIO-116 &amp; BIO-116L)  (RVCC pre-requisite: BIOL-101 &amp; BIOL-102)  <u><b>OR</b></u>  <b>BIO-335-Plant Biology (4)</b>  <b>BIO-335L-Modern Plant Biology (0)</b>  (Rider pre-requisite: BIO-116, BIO-116L, CHE-122, CHE-123)  (RVCC pre-requisite: BIOL-102, CHEM-104)  <u><b>OR</b></u>  <b>BIO-265-Genetics (4)</b>  <b>BIO-265 Genetics Lab (0)</b>  (Rider pre-requisite: BIO-115, BIO-115L, BIO-116, BIO-116L)  <u><b>OR</b></u>  <b>BIO-350-General Ecology (4)</b>  <b>BIO-350L-General Ecology Lab (0)</b>  (Rider pre-requisite: BIO-115 &amp; BIO-115L and BIO-116 &amp; BIO-116L)  (RVCC pre-requisite: BIOL-101 and BIOL-102)</p>	<p>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>	
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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 BIOLOGY 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](mailto:pmichaud@rartianval.edu)

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