

## TRANSFER ADVISING GUIDE

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

<i>RARITAN VALLEY COMMUNITY COLLEGE COURSE</i>	<b>Cr</b>	<i>RIDER UNIVERSITY COURSE/AREA SATISFIED</i>	<b>Cr</b>
<i>A.S., Environmental Science</i>		<i>B.S., Environmental Sciences (120 Credits)</i>	
<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>	3
BIOL 101 General Biology I	4	BIO 115 Principles of Biology I (4) BIO 115L Principles of Biology I Lab (0)	4
Environmental Science Core <sup>2</sup> Choose from one of the two courses: ENVI 101 Environmental Studies <b>OR</b> <b>For transfer Rider suggests taking ENVI-102</b> ENVI 102 Environmental Science & Sustainability	3	LAS Elective <sup>∅</sup> <b>OR</b> ENV 100 Intro to Environmental Science (4)	3/4
Humanities <sup>3</sup> <b>For transfer credit Rider suggests Foreign Language or History sequence:</b> Foreign Language A two-semester sequence of the same language is required. <b>OR</b> HIST 101 World Civilization I	3	Foreign Language Proficiency <sup>∅</sup> (FRE, ITA, SPA CHI) A two-semester sequence of the same language is required. <b>OR</b> Historical Perspectives HIS 150 World History to 1500	3
	<b>16</b>		<b>16/17</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	Mathematics Elective <b>OR</b> MTH 105 Algebra & Trigonometry <sup>∞</sup>	1
BIOL 102 General Biology II	4	BIO 116 Principles of Biology II (4) BIO 116L Principles of Biology II Lab (0)	4
GEOG 101 Introduction to Physical Geography	3	LAS Elective <sup>∅</sup>	3
Humanities <sup>3</sup>			

<b>For transfer credit Rider suggests Foreign Language or History sequence:</b> Foreign Language <sup>3</sup> A two-semester sequence of the same language is required.  <b>OR</b> HIST 102 World Civilization II	3	Foreign Language Proficiency <sup>5</sup> (FRE, ITA, SPA CHI) A two-semester sequence of the same language is required.  <b>OR</b> HIS 151 World History Since 1500	3
	<b>16</b>		<b>14</b>
<b>Third Semester</b>			
MATH 110 Statistics	3	Mathematics Elective <sup>5</sup>	3
CHEM 103 General Chemistry I	4	CHE 120 Principles of Chemistry (3) CHE 121 Principles of Chemistry I Lab (1)	4
BIOL 231 Ecology <sup>4</sup>	4	BIO 350 General Ecology (4) BIO 350L General Ecology Lab (0)	4
Environmental Science Elective <sup>5</sup> Choose from any of the listed courses at RVCC: ENVI 103 Energy, The Environment & Climate Change  <b>OR</b> BIOL 150 Plants, Humans & the Environment  <b>OR</b> BIOL 221 Microbiology   <b>OR</b> BIOL 232 Field Botany   <b>OR</b> BIOL 242 Genetics  <b>OR</b> BIOL 247 Vertebrate Zoology  <b>OR</b> CHEM 211 Organic Chemistry I  <b>OR</b> CHEM 212 Organic Chemistry II  <b>OR</b> PHYS 101 General Physics I   <b>OR</b> PHYS 102 General Physics II	3/4	...  ENV 103 Environmental Elective <sup>5</sup>  <b>OR</b> Transfer Credit  <b>OR</b> BIO 215 Medical Microbiology (4) (Group A Elective – Environ. Sciences) BIO 215L Microbiology Lab (0) (Group A Elective – Environ. Sciences)  <b>OR</b> BIO 335 Plant Biology (4) (Group A Elective – Environ. Sciences) BIO 335L Modern Plant Biology (0) (Group A - Elective – Environ. Sciences)  <b>OR</b> BIO 265 Genetics (4) & BIO -265L-Genetics Lab (0)  <b>OR</b> NOT TRANSFERRABLE  <b>OR</b> CHE 211 Organic Chemistry I & CHE-211L-Organic Chemistry I Lab  <b>OR</b> CHE 214 Organic Chemistry II & CHE-214L-Organic Chemistry II Lab  <b>OR</b> PHY 100 Principles of Physics I & PHY-100L-Principles of Physics I Lab <b>(Required Course for Environmental Science)</b>  <b>OR</b> PHY 102 Principles of Physics II & PHY101L-Principles of Physics II Lab	3/4
	<b>14/15</b>		<b>14/15</b>
<b>Fourth Semester</b>			
ENVI 201 Environmental Science Applications <sup>6</sup>	2	Environmental Science Elective <sup>5</sup>	2
CHEM 104 General Chemistry II	4	CHE 122 Intro to Chemical Systems (3) CHE 123 Quantitative Methods Lab (1)	4
GEOL 157 Introduction to Geology	4	GEO 100 Earth Systems Science (3) GEO 102 Earth Materials & Processes Lab (1)	4
Environmental Science Elective <sup>5</sup> Choose from any of the listed courses at RVCC: ENVI 103 Energy, The Environment & Climate Change  <b>OR</b>		ENV 103 Environmental Elective <sup>5</sup>  <b>OR</b>	

BIOL 150 Plants, Humans & the Environment <b>OR</b> BIOL 221 Microbiology  <b>OR</b> BIOL 232 Field Botany  <b>OR</b> BIOL 242 Genetics <b>OR</b> BIOL 247 Vertebrate Zoology <b>OR</b> CHEM 211 Organic Chemistry I <b>OR</b> CHEM 212 Organic Chemistry II <b>OR</b> PHYS 101 General Physics I  <b>OR</b> PHYS 102 General Physics II	3/4	Transfer Credit <b>OR</b> BIO 215 Medical Microbiology (4) (Group A Elective – Environ. Sciences) BIO 215L Microbiology Lab (0) (Group A Elective – Environ. Sciences) <b>OR</b> BIO 335 Plant Biology (4) (Group A Elective – Environ. Sciences) BIO 335L Modern Plant Biology (0) (Group A - Elective – Environ. Sciences) <b>OR</b> BIO 265 Genetics (4) & BIO -265L-Genetics Lab (0) <b>OR</b> NOT TRANSFERRABLE <b>OR</b> CHE 211 Organic Chemistry I & CHE-211L-Organic Chemistry I Lab <b>OR</b> CHE 214 Organic Chemistry II & CHE-214L-Organic Chemistry II Lab <b>OR</b> PHY 100 Principles of Physics I & PHY-100L-Principles of Physics I Lab <b>(Required Course for Environmental Science)</b> <b>OR</b> PHY 102 Principles of Physics II & PHY101L-Principles of Physics II Lab	3/4
	<b>13/14</b>		<b>13/14</b>
	<b>60</b>		<b>60</b>

**Raritan Valley Community College Footnotes:**

1 Mathematics by official placement. Students who place directly into [MATH 151 Calculus I](#) should take [MATH 111 Statistics II](#) and a General Education Elective to replace [MATH 112 Precalculus I](#) and [MATH 113 Precalculus II](#). Students are advised to check with their transfer institution for recommended courses.

2 Choose from either [ENVI 101 Environmental Studies](#) or [ENVI 102 Environmental Science and Sustainability](#). Students are strongly encouraged to meet with an Environmental Science faculty member.

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

4 Offered in the Fall semester only.

5 Students must complete a minimum of 7 credits from the following courses: [ENVI 103 Energy, The Environment and Climate Change](#), [BIOL 150 Plants, Humans & the Environment](#), [BIOL 221 Microbiology](#), [BIOL 232 Field Botany](#), [BIOL 242 Genetics](#), [BIOL 247 Vertebrate Zoology](#), [CHEM 211 Organic Chemistry I](#), [CHEM 212 Organic Chemistry II](#), [PHYS 101 General Physics I](#), or [PHYS 102 General Physics II](#).

6 Offered in the Spring semester only.

**Rider University Footnotes:**

∪ 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.

∞ - If both MATH-112 & MATH-113 are taken at RVCC; both courses combined will count for a total of 4 credits at Rider for MATH-105-Algebra & Trigonometry.

<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 have the option to take a free	<b>3/4</b>
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<b>ENV-200-Statistics &amp; Computer Applications in the Natural Sciences (4)</b> <b>ENV-200L-Statistical &amp; Computer Applications in the Natural Sciences lab (0)</b> <u><b>OR</b></u> <b>ENV-205-Introduction to GIS (3)</b> <u><b>OR</b></u> <b>ENV-220-Weather &amp; Climate Change (3)</b>	course at Rider that counts toward the Rider degree. This course allows the RVCC student to experience first-hand the academic environment at Rider.  See RVCC or Rider Transfer Representatives for additional information.  Contact information listed below.	
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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 ENVIRONMENTAL SCIENCES 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)