

# TRANSFER ADVISING GUIDE

## Exhibit “A”

<b>(A.S.) Associate of Science, Environmental Science (1188) from Bucks County Community College</b>					
<b>(B.S.) Bachelor of Science in Environmental Sciences at Rider University (CLAS)</b>					
<i><b>BUCKS COUNTY COMMUNITY COLLEGE COURSE</b></i>	<b>Cr</b>	<i><b>RIDER UNIVERSITY COURSE/AREA SATISFIED</b></i>		<b>Cr</b>	
<i><b>A.S., Environmental Science (1188)</b></i>		<i><b>B.S., Environmental Sciences (120 Credits)</b></i>			
<b>First Semester</b>					
COLL 101	College Success Seminar	1	NOT TRANSFERRABLE	0	
SCIE 103	Physical Geology A, c, 7	4	GEO 100 Earth Systems Science (3) GEO 102 Earth Systems Science Lab (1)	4	
SCIE 105	Intro. to Environmental Science	4	ENV 100 Intro to Environmental Sciences (4) ENV 100L Intro to Environmental Sciences Lab	4	
COMP 110	English Composition I A, C, 2, 10	3	CMP 120 Expository Writing	3	
Mathematics Elective A, C, D, 6 Choose from the following list: (Rider suggests MATH 122 & 125 for transfer credit)					
MATH 120	College Algebra (4)	3/4	MTH 105 Algebra & Trigonometry (4)	3/4	
<b>OR</b>			<b>OR</b>		
MATH 122	Trigonometry & Analytics Geometry (3)		MTH 102 Finite Math (3)		
<b>OR</b>			<b>OR</b>		
MATH 125	Precalculus Mathematics (4)		MTH 105 Algebra & Trigonometry (4)		
<b>OR</b>		<b>OR</b>			
MATH 140	Calculus I (4)		MTH 210 Calculus I (4)		
Arts & Humanities B, 1					
		3	Foreign Language Proficiency $\sigma$ Aesthetic Perspectives – Fine Arts $\sigma$ Aesthetic Perspectives – Literature $\sigma$ Historical Perspectives - $\sigma$ Philosophical Perspectives - $\sigma$	3	
		<b>18/19</b>		<b>17/18</b>	
<b>Second Semester</b>					
CHEM 121	Chemistry I A, c, 6, 7	4	CHE 120 Principles of Chemistry I (3) CHE 121 Principles of Chemistry I Lab (1)	4	
MATH 115	Elementary Statistics A,C,2, 6	3	MTH 120 Introduction to Applied Statistics	3	
COMP 111	English Composition II c, 2, 4, 10	3	CMP 125 Research Writing	3	
CISC 110	Introduction to Information Systems A,C	3	CIS 185 Information Systems Essentials	3	
COMM 110	Effective Speaking c, 5	3	COM 104 Speech Communication	3	
		<b>16</b>		<b>16</b>	
<b>Third Semester</b>					
BIOL 121	Biological Principles I c	4	BIO 115 Principles of Biology I (4) BIO 115 Principles of Biology I Lab (1)	4	
CHEM 122	Chemistry II c	4	CHM 122 Principles of Chemistry II (3)	4	

				CHM 123 Principles of Chemistry II Lab (1)	
ECON 111	Principles of Economics: Macro 2, 3, 8	3		ECO 200 Principles of Microeconomics	3
Elective		3		Foreign Language Proficiency $\bar{\nu}$ Aesthetic Perspectives – Fine Arts $\bar{\nu}$ Aesthetic Perspectives – Literature $\bar{\nu}$ Historical Perspectives - $\bar{\nu}$ Philosophical Perspectives - $\bar{\nu}$	3
		<b>14</b>			<b>14</b>
<b>Fourth Semester</b>					
BIOL 122	Biological Principles II c	4		BIO 116 Principles of Biology II (3) BIO 116L Principles of Biology II Lab (1)	4
BIOL 220	Principles of Ecology c	4		BIO 350 General Ecology (4) BIO 350L General Ecology Lab (0)	4
BIOL 228	Microbiology c	4		BIO 215 Medical Microbiology (4) BIO 215L Medical Microbiology Lab (0) (Can count for Grp A ENV5 requirement)	4
SCIE 206	Fund. Of Geographic Info. Systems c, 9	3		ENV 205 Introduction to GIS	3
		<b>15</b>			<b>15</b>
		<b>63/64</b>			<b>60</b>

<p><b>FREE Rider Course Option:</b></p> <p>Please select one course from the following list:</p> <p>ENV-340-Environmental Field Methods &amp; Data Analysis (3) OR ENV-220-Weather &amp; Climate Change (3) OR HIS-229-American Environmental History (3) OR POL-328-Environmental Politics (3) OR POL-329-Comparative Environmental Policy (3)</p>	<p>Following completion of 30 credits and the Rider Intent to Enroll Form and while a student at Bucks, students have the option to take a free course at Rider that counts toward the Rider degree. The selected course allows the Bucks student to experience first-hand the academic environment at Rider University.</p> <p>See Bucks or Rider Transfer Representatives for additional information.</p> <p>Contact information listed below.</p>	3
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<b>Courses needed to complete the Environmental Sciences Major:</b>	
<b>Environmental Sciences Major:</b>	
<i>Group B Requirement: (Abiotic Processes)</i>	
ENV-340-Environmental Field Methods & Data Analysis (3) (Listed as a FREE Rider Course Option)	
<i>Group B &amp; C Course Requirements: (Group C – Social Processes)</i>	
ENV-205-Introduction to Geographic Information Systems (3)	
ENV-220-Weather & Climate Change (3) (Listed as a FREE Rider Course Option)	
GEO-350-Soil & Surficial Processes (4)	
GEO-350L- Soil & Surficial Processes Lab (0)	
GEO-407-Hydrology & Water Resources (4)	
BCH-225-Introduction to Organic & Biochemistry (4)	
BCH-225L-Introduction to Organic & Biochemistry Lab (0)	

<b>PHY-100-Principles of Physics I (3)</b> <b>PHY-100L-Principles of Physics Lab I (1)</b> <b>OR</b> <b>PHY-200-General Physics I (4)</b> <b>PHY-200L-General Physics I Lab (0)</b>
<b>Environmental Science Major:</b>  <p style="text-align: center;"><i>Group C Requirements:</i>  <i>(Group C – Social Processes)</i></p>
<b>HIS-224-American Environmental History (3) (Listed as a FREE Rider Course Option)</b>
<b>POL-328-Environmental Policy (3) (Listed as a FREE Rider Course Option)</b>
<b>POL-329-Comparative Environmental Policy (3) (Listed as a FREE Rider Course Option)</b>

**Bucks County Community College Footnotes:**

- A Placement testing required
- B Consult the list of [courses approved for this subcategory](#). Any course may be chosen.
- C Course requires prerequisite.
- D Choose from MATH120, MATH122, MATH125, MATH140.
- 1 Satisfies Arts/Humanities.
- 2 Satisfies Critical Thinking.
- 3 Satisfies Diversity.
- 4 Satisfies Information Literacy.
- 5 Satisfies Oral Communication.
- 6 Satisfies Quantitative Literacy.
- 7 Satisfies Scientific Literacy.
- 8 Satisfies Social Sciences.
- 9 Satisfies Technological Competence.
- 10 Satisfies Writing.

**Rider University Footnotes:**

- ∅ – Students have a number of options to satisfy this requirement, courses will be evaluated on an individual basis.
- For transfer credit, Bucks County Community College students must have a grade of “C” or higher. (Not transfer credit will be accepted for any course with a grade of “C-“ or below.)
- o - Bucks students interested in the College of Continuing Studies (CCS0 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 ENVIRONMENTAL SCIENCES 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 Bucks, indicate course number)</b>
	The Rider Bachelor of Science degree in Environmental Sciences requires 120 credits		

**FOR FURTHER INFORMATION, CONTACT:**

**Transfer Services**  
**Bucks County Community College**  
**215.968.8031**  
[transfer@bucks.edu](mailto:transfer@bucks.edu)

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