TRANSFER ADVISING GUIDE

Associate of Science (A.S.) Mathematics from Raritan Valley Community College to a Bachelor of Arts (B.A.) Mathematics at Rider University			
RARITAN VALLEY COMMUNITY COLLEGE COURSE *A.S., Mathematics*	**Cr**	*RIDER UNIVERSITY COURSE/AREA SATISFIED* *B.A., Mathematics* *(120 Credits)*	**Cr**
First Semester			
ENGL 111 English Composition I	3	CMP 120 Seminar in Writing & Rhetoric	3
MATH 151 Calculus I	4	MTH 210 Calculus I	4
Lab Science Sequence [1] **Select from a two-semester lab science sequence** BIOL 101 General Biology I **OR** CHEM 103 General Chemistry I **OR** PHYS 101 General Physics I **OR** PHYS 150 Analytical Physics I	4	Scientific Perspectives: Lecture/Lab Combination BIO 115 Principles of Biology I (4) BIO 115L Principles of Biology I Lab (0) **OR** CHE 120 Principles of Chemistry (3) CHE 121 Principles of Chemistry Lab (1) **OR** PHY 100 Principles of Physics I (3) PHY 100L Principles of Physics I Lab (1) **(Rider pre-requisite: MTH-105, MTH-210, MTH-211 or MTH-212)** **OR** PHY 200 General Physics I (4) PHY 200L General Physics I Lab (0) **(Rider pre-requisite: MTH-210)**	4
Science or Foreign Language Elective [2, 7] **For transfer credit Rider suggests a Foreign Language** A two-semester sequence of the same language is required.	3	Foreign Language Proficiency ℧ **(FRE, ITA, SPA, CHI)** A two-semester sequence of the same language is required.	3
	17		**17**
Second Semester			
ENGL 112 English Composition II	3	CMP 125 Seminar in Writing & Research	3
MATH 152 Calculus II	4	MTH 211 Calculus II	4
Lab Science Sequence [1] **Select from a two-semester lab science sequence** BIOL 102 General Biology II		Scientific Perspectives: Lecture/Lab Combination BIO 116 Principles of Biology I 4) BIO 116L Principles of Biology I (0)	

OR CHEM 104 General Chemistry II **OR** PHYS 102 General Physics II **OR** PHYS 151 Analytical Physics II	4	**OR** CHE 122 Intro to Chemical Systems (3) CHE 123 Quantitative Methods Lab (1) **(Rider pre-requisite: CHE-120, MTH-105)** **OR** PHY 101 Principles of Physics II (3) PHY 101L Principles of Physics II Lab (1) **OR** PHY 201 General Physics II (4) PHY 201L General Physics II Lab (0) **(Rider pre-requisite: PHY-200, MTH-211)**	4
Science or Foreign Language Elective **For transfer credit Rider suggests a Foreign Language** A two-semester sequence of the same language is required	3	Foreign Language Proficiency ℧ (FRE, ITA, SPA, CHI) A two-semester sequence of the same language is required.	3
Social Science [3] **For transfer Rider suggests**: SOCI 101 Intro to Sociology	3	Social Perspectives SOC 101 Sociological Imagination	3
	17		**17**
Third Semester			
MATH 251 Calculus III	4	MTH 212 Calculus III	4
Technological Competency [4] **RVCC suggest the following courses:** CSIT 103 Computer Concepts & Programming **OR** CSIT 105 Foundations of Computer Science	4	LAS Elective ℧ **OR** CIS 185 Information Systems Essentials	4
Humanities [3]	3	Liberal Arts Elective ℧	3
Free Elective [5, 7]	3	Liberal Arts Elective ℧	3
	14		**14**
Fourth Semester			
Mathematics Elective [6] **For transfer credit Rider suggests taking the following course:** MATH 254 Differential Equations	4	 MTH 250 Differential Equations	4
Mathematics Elective [6] **For transfer credit Rider suggests taking the following course:** MATH 256 Linear Algebra	4	 MTH 240 Linear Algebra	4
Humanities or Social Science Elective [3] **For transfer Rider suggest the following courses:** POLI 121 American National Government **OR** POLI 101 American Government & Politics	3	LAS Elective ℧ POL 100 Intro to American Politics **OR** POL 102 Understanding Politics	3
Free Elective [5, 7] **RVCC suggests taking one of the following courses:** MATH 110 Statistics I **OR** MATH 111 Statistics II	3	LAS Elective ℧ MTH 120 Intro to Applied Statistics **OR** MATH 1XX Mathematics Elective ℧	3

MATH 124 Mathematical Thinking	1	LAS Elective ℧	1
	15		**15**
	60		**60**

Raritan Valley Community College Footnotes:

1 Select from the following two-semester lab science sequences: BIOL 101 General Biology I and BIOL 102 General Biology II, CHEM 103 General Chemistry I and CHEM 104 General Chemistry II, PHYS 101 General Physics I and PHYS 102 General Physics II, or PHYS 150 Analytical Physics I and PHYS 151 Analytical Physics II.

2 If a foreign language is chosen, a two-semester sequence is required. Placement by examination is required for students who wish to continue studying a language previously studied. Students may not take courses below their placement level. For more information, see Foreign Language Placement Testing & Degree Requirements.

3 Select a course from the appropriate category of the General Education list.

4 Choose from either CSIT 103 Computer Concepts and Programming or CSIT 105 Foundations of Computer Science.

5 Any college-level course. Students are encouraged to take MATH 110 Statistics I and MATH 111 Statistics II, MATH 117H Statistics - Honors, or a Mathematics Elective from the list in footnote 6. Students in the Honors College may also take MATH 296H Mathematics and Statistics Capstone Research Honors

6 Select two courses from the following: MATH 254 Differential Equations, MATH 255 Discrete Mathematics, or MATH 256 Linear Algebra.

7 A student electing to take one or more 4-credit Science Elective can reduce the required number of Free Elective credits accordingly to meet the 60-credit minimum for the Associate degree. The total number of Science/Foreign Language and Free Elective credits must be at least 12.

Rider University Footnotes:

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

For transfer credit RVCC students must have a grade of "C" or better. (No transfer credit will be accepted for any course with a grade of "C-" or below.)

FREE Rider Course Option: **Option: For the Free Rider course selection and course options, the RVCC student should contact the Transfer Counselor at Rider University. The Rider admission counselor will provide contact information to Rider faculty to collaborate and approve the Free Rider Course Option course that counts toward the degree.**	**Rider Course Option:** 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. See RVCC or Rider Transfer Representatives for additional information. Contact information listed below.	**3**

Requirements are subject to change. This Advising Guide is best used in consultation with an advisor.

COURSES REMAINING FOR A BACHELOR OF ARTS DEGREE IN MATHEMATICS AT RIDER UNIVERSITY*

Course Number	Rider University Course Name or Core Area	Credits	Notes* (if course can be taken at RVCC, indicate course number)
MTH 210	Calculus I	4	MATH 151
MTH 211	Calculus II	4	MATH 152
MTH 212	Calculus III	4	MATH 251
MTH 240	Linear Algebra	3	MATH 256
MTH 250	Differential Equation	3	MATH 254
MTH 308	Advanced Calculus	3	N/A
MTH 315	Modern Geometry	3	N/A
MTH 340	Probability & Statistics I	3	N/A

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