

# TRANSFER ADVISING GUIDE

<b>Associate of Applied Science (A.A.S.) Computer Networking &amp; Cybersecurity in Computer Information Systems</b> <b>from Raritan Valley Community College</b> <b>to a Bachelor of Science (B.S.) Cybersecurity at Rider University</b>			
--	--	--	--

<i>RARITAN VALLEY COMMUNITY COLLEGE COURSE</i>	Cr	<i>RIDER UNIVERSITY COURSE/AREA SATISFIED</i>	Cr
<i>A.A.S., Computer Networking &amp; Cybersecurity in Information Systems</i>		<i>B.S., Cybersecurity (120 Credits)</i>	
<b>First Semester</b>			
ENGL 111 English Composition I	3	CMP 120 Seminar in Writing & Rhetoric	3
COMM 110 Interpersonal Communication	3	COM 251 Interpersonal Communication	3
NTWK 119 Networking Essentials	3	CYB 130 IT Fundamentals	3
NTWK 270 Introduction to Cisco Networking <sup>1</sup>	3	CIS 270 Computer Networking	3
NTWK 271 Routing and Switching Essentials <sup>1</sup>	3	CYB 1XX Cybersecurity Elective <sup>‡</sup>	3
<b>15</b>		<b>15</b>	
<b>Second Semester</b>			
ENGL 112 English Composition II	3	CMP 125 Seminar in Writing & Research	3
CSIT 132 Systems Analysis & Design	3	CYB 1XX Cybersecurity Elective <sup>‡</sup>	3
NTWK 272 Scaling Networks <sup>1</sup>	3	Technical Elective <sup>‡</sup>	3
NTWK 273 Connecting Networks <sup>1</sup>	3	Technical Elective <sup>‡</sup>	3
Humanities or Social Science <sup>2</sup>			
<b>For transfer Rider suggests:</b>			
Foreign Language <small>A two-semester sequence of the same language is required.</small>	3	Foreign Language Proficiency <sup>‡</sup> (FRE, ITA, SPA CHI) <small>A two-semester sequence of the same language is required.</small>	3
<b>15</b>		<b>15</b>	
<b>Third Semester</b>			
MATH 101 Number Systems <sup>3</sup>	3	MTH 102 Finite Mathematics	3
NTWK 229 Information Security Fundamentals	3	CSC 340 Cybersecurity Essentials	3
NTWK 250 Network Operating Systems & Cloud Computing	3	CYB 260 Network Defenses & Countermeasures	3
NTWK 274 Privacy, Ethics and Computer Forensics <sup>4</sup>	3	CSC 150 Cyber Ethics & Societal Impact	3
Social Science		Social Perspectives	
<b>For transfer Rider suggests:</b>			
SOCI 110 Intro to Sociology	3	SOC 101 Sociological Imagination	3
<b>15</b>		<b>15</b>	
<b>Fourth Semester</b>			
CSIT 237 UNIX and Linux <sup>5</sup>		CYB 200 Operating Systems & Cybersecurity	
<b>OR</b>	3	<b>OR</b>	3
Computer Elective <sup>6</sup>		Technical Elective <sup>‡</sup>	
CSIT 285 Database Development & Design		CIS 330 Database Systems	
<b>OR</b>	3	<b>OR</b>	3
CSIT 292 Computer Science Cooperative Education		CYB 491 Internship in Cybersecurity	

NTWK 280 CCNA Security	3	CYB 300 Developing & Deploying Cybersecurity Programs	3
NTWK 290 Ethical Hacking and Penetration Testing	3	CYB 240 Ethical Hacking & Penetration Testing	3
Humanities <sup>2</sup> <b>For transfer Rider suggests:</b> 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
	<b>15</b>		<b>15</b>
	<b>60</b>		<b>60</b>

<p><b>FREE Rider Course Option:</b></p> <p><u>Select one of the following courses:</u></p> <p><b>CSC-110-Computer Science I (3)</b> <b>OR</b> <b>CSC-140-Discrete Structures (3)</b> <b>OR</b> <b>CYB-105-Intro to Cybersecurity (3)</b> <b>OR</b> <b>CYB-110-Cybercrime &amp; Cyberterrorism (3)</b></p>	<p><b>Rider Course Option:</b></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>	<b>3</b>
---	---	----------

**Raritan Valley Community College Footnotes:**

<sup>1</sup> [NTWK 270](#), [NTWK 271](#), [NTWK 272](#), and [NTWK 273](#) are all seven week classes and must be taken in order. Each class is a prerequisite for the next course in the series and students must achieve a grade of C or better in each course to continue in the series.

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

<sup>3</sup> Mathematics by official placement test. Students may not take courses below placement level.

<sup>4</sup> [MATH 020 Elementary Algebra](#) is a prerequisite for this course.

<sup>5</sup> [CSIT 103 Computer Concepts and Programming](#) is a prerequisite for the course. Students without the prerequisite should select a course from the [Computer and Programming Electives List](#).

<sup>6</sup> See [Computer and Programming Electives List](#). Students may only take one 100-level CIS Elective. Any additional Computer Elective must be at the 200-level.

**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 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.)

**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 CYBERSECURITY 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**

**Transfer Admission**

**Raritan Valley Community College**  
**908.582.1200 X 8336 or 8330**  
[pmichaud@rartianval.edu](mailto:pmichaud@rartianval.edu)

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