

TRANSFER ADVISING GUIDE

“EXHIBIT A”

Computer Science (A.S.) from Mercer County Community College to Computer Science (B.S.) at Rider University				
MERCER COUNTY COMMUNITY COLLEGE COURSE		Cr	RIDER UNIVERSITY COURSE/AREA SATISFIED	Cr
Computer Science, A.S.			Computer Science, B.S. (120 Credits) Signed 11-15-24	
First Semester				
COS 101	Introduction to Computer Science	4	CSC 110 Computer Science I	3/1
CSW 100	College Success & Personal Wellness	2	NOT TRANSFERRABLE	0
ENG 101	English Composition I	3	CMP 120 Seminar in Writing & Rhetoric	3
MAT 151	Calculus I	4	MTH 210 Calculus I	4
		13		11
Second Semester				
COS 102	Computer Science I (Algorithms & Prog.)	4	CSC 120 Computer Science II	3/1
ENG 102	English Composition II	3	CMP 125 Seminar in Writing & Research	3
MAT 152	Calculus II	4	MTH 211 Calculus II	4
Humanities General Education Elective Rider suggests for transfer credit: HIS 101 History of Western Civilization to 1648		3	CAS Elective ^v HIS 150 Pre-Modern World: Evolution to Revolution <u>OR</u> Foreign Language Proficiency	3
<u>OR</u> Foreign Language Sequence – two courses same language				
Social Science General Education Elective Rider suggests for transfer credit: SOC 101 Introduction to Sociology		3	Social Perspectives SOC 101 Sociological Imagination	3
		17		17
Third Semester				
COS 231	Fundamentals of Computer Architecture	4	CSC 220 Computer Organization & Architecture	3
Lab Science Elective Rider suggests for transfer credit: Science Elective 1 PHY 115 University Physics I		4	Scientific Perspectives: Lecture/Lab Combination PHY 200 General Physics I (3) PHY 200L General Physics I Lab (1)	4
(PHY-101 & PHY-102) (PHY-115 & PHY-215) (Listed on grid.) (BIO-101 & BIO-102) (CHE-101 & CHE-102)			(PHY-100 & PHY-101 & PHY-200 & PHY-200L) Listed on grid. (BIO-115 & BIO115L & BIO-116 & BIO-116L) (CHE-120 & CHE-121 & CHE-122 & CHE-123)	
Program Elective (In consultation with an academic advisor select from: MAT 201 Probability & Statistics for Science Eng. <u>OR</u> MAT 208 Linear Algebra			MTH 120 Intro to Applied Statistics <u>OR</u> MTH 240 Linear Algebra (Course needed in AI Track in Computer Science)	

<u>OR</u> A 4 Credit IST Course: IST 260 SQL Server Database Design <u>OR</u> IST 253 Database Concepts <u>OR</u> MAT 251 Calculus III <u>OR</u> MAT 201 Probability & Statistics for Science/Eng.	4	<u>OR</u> CIS 330 Database Systems <u>OR</u> CIS 330 Database Systems <u>OR</u> MTH 212 Calculus III <u>OR</u> CSC 230 Probability & Statistics for Comp. Sci.	4
Social Science or General Education Humanities Elective Rider suggests for transfer credit: POL 100 The American Political System <u>OR</u> PHI 204 Ethics	3	<u>Social Perspectives</u> POL 100 U.S. Politics in Crisis <u>OR</u> <u>Philosophical Perspectives</u> PHI 115 Ethics	3
	15		15
Fourth Semester			
COS 204 Discrete Mathematical Structures	4	CSC 140 Discrete Structures	3
COS 210 Computer Science II – Data Structures	4	CSC 130 Data Structures & Algorithms	3
Lab Science Elective Rider suggests for transfer credit: PHY 215 University Physics II (PHY-101 & PHY-102) (PHY-115 & PHY-215) (Listed on grid.) (BIO-101 & BIO-102) (CHE-101 & CHE-102)	4	Science Elective ^U PHY 201 General Physics II PHY 201L General Physics II Lab (PHY-100 & PHY-101 & PHY-200 & PHY-200L) Listed on grid. (BIO-115 & BIO115L & BIO-116 & BIO-116L) (CHE-120 & CHE-121 & CHE-122 & CHE-123)	4
General Education Elective Rider suggests for transfer credit: HIS 102 History of Western Civilization Since 1648 <u>OR</u> A two- course foreign language sequence	3	Historical Perspectives or Foreign Language Proficiency HIS 151 World in the Modern Era: Exploration to Globalization <u>OR</u> Foreign Language Proficiency	3
	15		15
	60		58/ 60

Mercer County Community College Footnotes:

Lab Science Elective – Choose from PHY 101 and 102; PHY 115 and 215; BIO 101 and 102; CHE 101 and 102.

Rider University Footnotes:

^U 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. in all courses. (No transfer credit will be accepted for a grade of “C-” or below.

Mercer students interested in the Continuing Education Program (CEP) should contact that division directly.

The Computer Science major offers 4 tracks to include: Cybersecurity, Artificial Intelligence, Software Engineering and a General Track

The Guaranteed Transfer Admission Agreement between Mercer County Community College and Rider University is designed to allow students who complete their Associate’s degree at Mercer County Community College to transfer to a Bachelor’s degree program at Rider University.

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 COMPUTER
SCIENCE AT RIDER UNIVERSITY***

Course Number	Rider University Course Name or Core Area	Credits	Notes* (if course can be taken at Mercer, indicate course number)

FOR FURTHER INFORMATION, CONTACT

Transfer Services
Mercer County Community College
609-570-3397
transfer@mccc.edu

Transfer Admission
Rider University
609.896.5000 X 7159
admissions@rider.edu