

Exhibit 16

TRANSFER ADVISING GUIDE

Rowan College at Gloucester County (RCGC) to University of the Sciences in Philadelphia A.S. Arts and Sciences – Mathematics Option → B.S. Data Science

RCGC Associate in Science Arts and Sciences – Mathematics Option

USciences Bachelor of Science Data Science

RCGC Courses	Cr.	USciences Courses	Cr.
ENG101 English Composition I	3	WR101 Writing & Rhetoric I	3
ENG102 English Composition II	3	WR102 Writing & Rhetoric II	3
SPE101 Oral Communication	3	CO101 Intro to Communication	3
MAT108 Calculus I	4	MA122 Calculus I	4
MAT122 Calculus II	4	MA221 Calculus II	4
MAT221 Calculus III	4	MA222 Calculus III <i>(serves as Program Elective)</i>	4
MAT205 Differential Equations	4	MA320 Differential Equations <i>(serves as Application Domain course)</i>	3
MAT202 Linear Algebra	3	MA316 Linear Algebra	3
MAT201 Discrete Mathematics	3	MA314 Discrete Mathematics <i>(serves as Program Elective)</i>	3
MAT103 Statistics <i>(serves as MAT elective)</i>	3	ST310 Intro to Biostatistics	3-4
Two of the following two-semester sequence:			
CHM111 General Chemistry I	4	CH111 Principles of Chemistry I	3
CHM112 General Chemistry II	4	CH113 Principles of Chemistry Lab I	1
		CH112 Principles of Chemistry II	3
		CH114 Principles of Chemistry Lab II	1
OR			
BIO101 General Biology I	4	BS132 Introductory Biology I	3
		BS134 Introductory Biology I Lab	1
BIO102 General Biology II	4	BS133 Introductory Biology II	3
		BS135 Introductory Biology II Lab	1
OR			
PHY201 Physics with Calculus I	4	PY211 Physics I	4
PHY202 Physics with Calculus II	4	PY212 Physics II	4
<i>(serves as 8cr Science Elective)</i> <i>(serves as 8cr General Education Elective)</i>			
CSC205 Programming C++ <i>(replaces CSC101 Introduction to Programming)</i>	4	CS201 Computer Programming I	3
Social Science Elective Choose One: ECO 100, 101, 102 GEO 102 POL 101, 103	3	<i>(serves as GenEd Social Sciences Requirement)</i>	3

PSY 101, 211, 212, 213, 215 SOC 101, 102, 104, 130			
Social Science Elective Choose One: ECO 100, 101, 102 GEO 102 POL 101, 103 PSY 101, 211, 212, 213, 215 SOC 101, 102, 104, 130	3	<i>(serves as GenEd MD Requirement)</i>	3
Humanities Elective Choose One: ART 101, 121, 201, 202 ASL 101, 102 CHI 101 ENG 103,109,203,222,225,230,231,235,236,241,243 FRE 101 GER 101, 102 HIS 101, 102, 103, 104, 107, 205, 206 ITA 101, 102 MUS 101, 203 PHI 101, 104, 110, 150, 204, 210 SPA 101, 102, 201, 202	3	<i>(serves as GenEd MD Requirement)</i>	3
Humanities Elective Choose One: ART 101, 121, 201, 202 ASL 101, 102 CHI 101 ENG 103,109,203,222,225,230,231,235,236,241,243 FRE 101 GER 101, 102 HIS 101, 102, 103, 104, 107, 205, 206 ITA 101, 102 MUS 101, 203 PHI 101, 104, 110, 150, 204, 210 SPA 101, 102, 201, 202 <i>(serves as General Education Elective)</i>	3	<i>(serves as GenEd Humanities Requirement)</i>	3
Health and Physical Education Elective HPE Choose One	1-3	PE101/102 Physical Education I/II	1
RCGC credits toward AS	67-70	Credits Accepted	65
Total RCGC Credits	67-70	Total Credits Accepted	65

A minimum 2.7 cumulative GPA is required for admission.

A minimum grade of “B” in courses with prefixes: MAT and CSC. Students who do not meet these minimum grade requirements can still transfer under the terms of this articulation agreement, subject to departmental review and approval.

The courses encompassed in the A.S. degree from RCGC must be completed within the three years preceding matriculation at USciences. Students who take more than 3 years to complete the A.S. degree can still transfer under this articulation agreement, subject to departmental review and approval.

MA107-Precalculus (3 cr) and DS101-Data Science Orientation (1 cr) will be waived for students transferring to USciences after earning the A.S. in Mathematics. However, the total credits required for graduation (includes transfer credits) will remain unchanged.

Graduation from USciences with a BS degree requires completion of specified courses and a total of 120-136 credit hours, depending upon the degree program. In order to enter USciences with U3 (junior) status and to facilitate the completion of a BS degree in two years of study at USciences, all students are strongly advised to complete more than 60 total credits of course work which is eligible for transfer to USciences. Students interested in transferring to USciences are strongly urged to contact the USciences Admission Office early in their enrollment at RCGC for advising.

Suggested checklist for 3rd and 4th year at USciences for **BS in Data Science** based on current approved curriculum: *(this checklist is for planning purpose only and it is subject to changes; it does not constitute a contract)*

THIRD YEAR AT USCIONES		
DS 201	Intro to Data Science I	3
DS 301	Data Visualization	3
SO 101 or SO 111 or PS 101	Intro to Sociology or Principles of Sociology or Intro to Psychology	3
DS 202	Intro to Data Science II	3
ST 320	Introduction to Probability	3
ST 331	Regression Analysis	3
CS 324	Database Design	3
	Program Elective courses	3
	Application Domain course	3

FOURTH YEAR AT USCIONES		
WR 302 or WR 303	Scientific Writing or Professional Writing	3
ET 303	Ethics	3
DS 401	Time Series and Forecasting	3
	Application Domain course	9
CS 320	Data Structure/Algorithm	3
DS 496 or DS 400	Data Science Capstone or Data Science Internship	1
DS 496	Data Science Capstone	1
	Program Elective courses	3
	Free Elective	6

Progress in Completing USciences' General Education Curriculum

[For the most recent information, see the current USciences Catalog on its website]

Discipline Requirements (minimum of 41 credits)

Discipline Requirement		Community College Courses // USciences Courses*
Natural Science (ONE semester of lab required)	7 credits	BIO101/BIO102 or CHM111/ CHM112 or PHY201/PHY202
Mathematics	6 credits	MAT108 & MAT122
Communication (written & oral)	9 credits	ENG101 & ENG102 & SPE101
Social Sciences	6 credits	Choose One: Social Science Elective Choose One USciences Course: SO101, SO111, PS101
Humanities	6 credits	Choose One: Humanities Elective ET303
Multidisciplinary Inquiry (may be substituted by Social Sciences &/or Humanities courses)	6 credits	Choose One: Social Science Elective Choose One: Humanities Elective
Physical Education	1 credit	Choose One: Health and Physical Education Elective HPE

Skills, Values, and Attitudes (one approved course for each)

Skills, Values, and Attitudes	Community College Course	USciences Course [RED = courses taken after transferring to USciences]
Ethics		ET303
Information Literacy	BIO102	or see list of USciences courses approved for Inf Literacy
Oral Communication		SO101 or see list of courses approved for Oral Comm
Reasoning & Problem Solving	MAT108	
Technology	MAT108	
Written Communication		WR302 or WR303

Skills requirement is usually fulfilled by taking courses that satisfy discipline requirements that are also approved for one or more GenEd skill.