

## Exhibit 8

### TRANSFER ADVISING GUIDE

#### Rowan College at Gloucester County (RCGC) to University of the Sciences in Philadelphia A.S. Biology → B.S. Pharmacology and Toxicology

#### RCGC Associate in Science Biology

#### USciences Bachelor of Science Pharmacology and Toxicology

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
COM105 Technical and Scientific Writing	3	WRX01 Writing Elective <i>(serves as Free Elective)</i>	3
BIO101 General Biology I	4	BS109 General Biology I BS110 General Biology I Lab  [BS103 General Biology I for students transferring prior to Fall 19]	3 1
BIO102 General Biology II	4	BS119 General Biology II BS120 General Biology II Lab  [BS104 General Biology II for students transferring prior to Fall 19]	3 1
BIO215 Microbiology	4	BS243 Microbial Science BS244 Microbial Science Lab  [BS240 Basics of Microbiology for students transferring prior to Fall 19]	3 1
BIO209 Ecology	4	BS377 Ecology <i>(serves as Free Elective)</i>	4
CHM111 General Chemistry I	4	CH101 General Chemistry I CH103 General Chemistry Laboratory I	3 1
CHM112 General Chemistry II	4	CH102 General Chemistry II CH104 General Chemistry Laboratory II	3 1
CHM201 Organic Chemistry I	4	CH201 Organic Chemistry I CH203 Organic Chemistry Laboratory I	3 1
CHM202 Organic Chemistry II	4	CH202 Organic Chemistry II CH204 Organic Chemistry Laboratory II	3 1
MAT107 Pre-calculus and Math Analysis	4	MA107 Precalculus	3
MAT108 Calculus I	4	MA110 General Calculus	3
CSC101 Introduction to Programming Or CSC111 Intermediate Programming	4	CSX01 Computer Science Elective <i>(serves as Free Elective)</i>	4

Humanities Elective <b>Choose One:</b> 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	(serves as GenEd Humanities Requirement)	3
Social Science Elective <b>Choose One:</b> ECO 100, 101, 102 GEO 102 POL 101, 103 PSY 101, 211, 212, 213, 215 SOC 101, 102, 104, 130	3	(serves as GenEd MD Requirement)	3
Humanities or Social Science Elective <b>Choose One</b>	3	(serves as GenEd MD Requirement)	3
PHY103 General Physics I (serves as General Education Electives)	4	PY201 Introductory Physics I	4
Health and Physical Education Elective HPE <b>Choose One</b>	1-3	PE101/102 Physical Education I/II	1
<b>RCGC credits toward AS</b>	<b>67-69</b>	<b>Credits Accepted</b>	<b>65</b>
<b>Additional Courses Necessary to Enter USciences with Junior (U3) Status:</b>			
PHY104 General Physics II	4	PY202 Introductory Physics II	4
SPE101 Oral Communication	3	CO101 Intro to Communication	3
<b>Total RCGC Credits</b>	<b>74-76</b>	<b>Total Credits Accepted</b>	<b>72</b>

A minimum 2.7 cumulative GPA is required for admission.

A minimum grade of “B” in all science and mathematics courses (Prefixes: CHM, MAT, PHY, BIO). 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.

PC181-Pharm/Tox Orientation I (1 cr) will be waived for students transferring to USciences after earning the A.S. in Biology. 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.

In addition to the coursework provided in the above table, the following types of courses will be needed to complete the *General Education Discipline Requirements* in USciences' General Education Curriculum:

- 6 credits in Social Sciences
- 3 credits in Humanities

Some or all of these 9 credits of coursework can be taken at RCGC or after transferring to USciences (currently included in the 3<sup>rd</sup> and 4<sup>th</sup> year at USciences). If the 9 credits are taken at RCGC, they should be selected from the following lists:

<p><b>6 credits in Social Sciences: Select TWO</b></p> <p>ECO 100, 101, 102          GEO 102          POL 101, 103          PSY 101, 211, 212, 213, 215          SOC 101, 102, 104, 130</p> <p><b>3 credits in Humanities: Select ONE</b></p> <p>ART 101, 121, 201, 202          ASL 101, 102          CHI 101          ENG 103,109,203,222,225,230,231,235,236,241,243</p> <p>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</p>	<p><b>GenEd Discipline Requirements – Social Sciences</b></p> <p>EC X01, 101, 102          SS X01          PO 101, X01          PS 101, 200, 201, X01, X01          SO 101, 306, 205, X01</p> <p><b>GenEd Discipline Requirements – Humanities</b></p> <p>AR 101, X01, X01, X01          MI X01, X01          CI 101          HU X01, EN X01,317,X01,336,318,313, HU X01,X01,          EN X01,X01          FR 101          GE 101, 102          HI 101, 102, X01, X01, X01, X01, X01          IT 101, 102          MU X01, X01          PL 101, ETX01, RS310, PLX01, ETX01, PLX01          SP 101, 102, 201, 202</p>
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Suggested checklist for 3<sup>rd</sup> and 4<sup>th</sup> year at USciences based on current approved curriculum:  
*(this checklist is for planning purpose only and it is subject to changes; it does not constitute a contract)*

<b>THIRD YEAR AT USCIENCES</b>		
BS 205*	Human Structure and Function I	3
BS 207*	Human Structure and Function Lab I OR PC303 Virtual Physiology Lab I	1
BS 206*	Human Structure and Function II	3
BS 208*	Human Structure and Function Lab II OR PC304 Virtual Physiology Lab II	1
PC 282	Pharm/Tox Orientation II	1
	GenEd Humanities Requirement	3
PC 320	Techniques in Pharm/Tox	2
PC 330	Biometrics in Pharm/Tox	3
PH 316	Pharmaceutics & Biopharmaceutics I	3
PH 318	Pharmaceutics Lab	1
CH 346	Biochemistry	4
CH 356	Molec Biology/Genetics	3
PC 324	Pharm/Tox Seminar I	1

<b>FOURTH YEAR AT USCIENCES</b>		
	GenEd Social Sciences Requirement	6
PC 411	Prin Medicinal Chem/Molecular Pharm.	4
PC 440	Pharmacology	4
PC 401	Principles of Toxicology I	4
PC 402	Principles of Toxicology II	4
PC 331	Biochem Pharm Tox	3
PC 424	Pharm/Tox Seminar II	1
WR 302	Scientific Writing	3

\* We strongly recommend transfer students to take BS205 and BS206 in the summer prior to entering USciences as U3 students.

## 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	CHM111 CHM112
Mathematics	6 credits	MAT107 & MAT108
Communication (written & oral)	9 credits	ENG101 & ENG102 & SPE101
Social Sciences	6 credits	<b>Choose Two USciences Courses:</b> PO (Political Science), PS (Psychology), SO (Sociology), AN (Anthropology), SS (Social Sciences), EC (Economics), CO (excluding CO 101 and CO 204)
Humanities	6 credits	<b>Choose One:</b> 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  <b>Choose One USciences Course:</b> AC (Arabic), AR (Art), CI (Chinese), CA (Classics), EN (excluding EN 101 and EN 102), FR (French), GE (German), LA (Latin), HI (History), HU (Humanities), MU (Music), PL (Philosophy), RS (Religious Studies), SP (Spanish), WC (World Cultures)
Multidisciplinary Inquiry (may be substituted by Social Sciences &/or Humanities courses)	6 credits	<b>Choose One:</b> Social Science Elective  <b>Choose One:</b> Humanities or Social Science Elective
Physical Education	1 credit	<b>Choose One:</b> 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		See list of USciences courses approved for Ethics
Information Literacy	BIO102	
Oral Communication		See list of USciences courses approved for Oral Comm
Reasoning & Problem Solving	BIO101	
Technology	BIO101	
Written Communication		See list of USciences courses approved for Written Com

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