

Exhibit 8

TRANSFER ADVISING GUIDE

Community College of Philadelphia (CCP) to University of the Sciences in Philadelphia A.S. Biology → B.S. Pharmacology and Toxicology

CCP Associate in Science Biology

USciences Bachelor of Science Pharmacology and Toxicology

CCP Courses	Cr.	USciences Courses	Cr.
ENGL101 English Composition I	3	WR101 Writing & Rhetoric I	3
ENGL102 The Research Paper	3	WR102 Writing & Rhetoric II	3
ENGL115 Public Speaking	3	CO204 Public Speaking (replaces CO101)	3
CIS103 Applied Computer Technology	3	CSX01 Computer Science Elective (<i>serves as Elective</i>)	3
MATH162 Precalculus II	3	MA107 Precalculus	3
MATH171 Calculus I	4	MA110 General Calculus	3
CHEM121 College Chemistry I	4	CH101 General Chemistry I CH103 General Chemistry Laboratory I	3 1
CHEM122 College Chemistry II	4	CH102 General Chemistry II CH104 General Chemistry Laboratory II	3 1
CHEM221 Organic Chemistry I	5	CH201 Organic Chemistry I CH203 Organic Chemistry Laboratory I	3 1
CHEM222 Organic Chemistry II	5	CH202 Organic Chemistry II CH204 Organic Chemistry Laboratory II	3 1
BIOL123 Principles of 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
BIOL124 Principles of 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
BIOL241 Principles of Microbiology	4	BS242 Microbial Science BS243 Microbial Science Lab [BS240 Basics of Microbiology for students transferring prior to Fall 19]	3 1
BIOL211 Genetics	4	BS466 Genetics (<i>serves as Elective</i>)	4
Choose One: FREN101 Intro French	3	(<i>serve as GenEd Humanities Requirement</i>) FR101 Elementary French I	3

HUM101 Cultural Tradition SPAN101 Elementary Spanish		HU340 Special Topics in Humanities SP101 Elementary Spanish I	
SOC101 Introduction to Sociology	3	SO101 Intro to Sociology <i>(serves as GenEd Social Sciences Requirement)</i>	3
PHIL101 Intro to Philosophy	3	PL101 Philosophy and Values <i>(serve as GenEd MD Requirement)</i>	3
PSYC101 Intro to Psychology	3	PS101 Intro to Psychology <i>(serve as GenEd MD Requirement)</i>	3
CCP credits toward AS	65	Credits Accepted	62
Additional Courses Necessary to Enter USciences with Junior (U3) Status:			
PHYS111 General Physics I	4	PY201 Introductory Physics I	4
PHYS112 General Physics II	4	PY202 Introductory Physics II	4
Total CCP Credits	73	Total Credits Accepted	70

A minimum 2.7 cumulative GPA is required for admission.

A minimum grade of “B” in all science and mathematics courses (Prefixes: CHEM, MATH, PHYS, BIOL). 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 CCP 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.

PE101/PE102 Physical Education I/II (1 cr), 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 CCP for advising.

Suggested checklist for 3rd and 4th 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)

THIRD YEAR AT USCIENCES		
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
CH 346	Biochemistry	4
PH 316	Pharmaceutics and Biopharmaceutics I	3
PH 318	Pharmaceutics Lab	1
PC 320	Techniques in Pharm/Tox	2
CH 356	Molec Biology/Genetics	3
WR 302	Scientific Writing	3
PC 324	Pharm/Tox Seminar I	1
PC 330	Biomethods in Pharm/Tox	3

FOURTH YEAR AT USCIENCES		
PC 331	Biochem Pharm Tox (Fall)	3
PC 401	Principles of Toxicology I	4
PC 411	Prin Medicinal Chem/Molec Pharmac	4
PC 424	Pharm/Tox Seminar II	1
PC 402	Principles of Toxicology II	4
PC 440	Pharmacology	4
	General Education Social Sciences Req.	3
	General Education Humanities Req.	3
	Pharm/Tox Elective	4

* We strongly recommend transfer students to take BS205/207 and BS206/208 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	CHEM121 CHEM122
Mathematics 6 credits	MATH162 & MATH171
Communication (written & oral) 9 credits	ENGL101 & ENGL102 & ENGL115
Social Sciences 6 credits	SOC101 Choose One USciences Course: PO (Political Science), PS (Psychology), SO (Sociology), AN (Anthropology), SS (Social Sciences), EC (Economics), CO (excluding CO 101 and CO 204)
Humanities 6 credits	Choose One: FREN101 Intro French HUM101 Cultural Tradition SPAN101 Elementary Spanish Choose One USciences Course: 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 6 credits (may be substituted by Social Sciences &/or Humanities courses)	PHIL101 PSYCH101
Physical Education 1 credit	Waived

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	BIOL124	
Oral Communication	SOC101	
Reasoning & Problem Solving	BIOL123	
Technology	BIOL123	
Written Communication	PSYC101	

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