

## TRANSFER ADVISING GUIDE

### Montgomery County Community College (MCCC) to University of the Sciences in Philadelphia A.S. Life Sciences → Professional Bridge - Pre-Pharmacy Early Assurance Program

**MCCC Associate of Science  
Life Sciences**

**USciences Professional Bridge  
Pre-Pharmacy EA Program**

Montgomery CCC 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
SPC120 Public Speaking	3	CO204 Public Speaking	3
BIO151 Principles of Biology I	4	BS132 Introductory Biology I BS134 Introductory Biology I Lab  [BS130 Introductory Biology I for students transferring prior to Fall 19]	3 1
BIO152 Principle of Biology II	4	BS133 Introductory Biology II BS135 Introductory Biology II Lab  [BS131 Introductory Biology II for students transferring prior to Fall 19]	3 1
BIO141 Clinical Microbiology I (serves as Biology Lab elective)	4	BS243 Microbial Science BS244 Microbial Science Lab  [BS241 Microbiology for students transferring prior to Fall 19]	3 1
BIO241 Clinical Microbiology II (serves as Biology Lab elective)	4	BS355 Clinical Immunology <i>(serves as Free Elective)</i>	3
MAT131 Introduction to Statistics I	3	STX01 Statistics Elective <i>(serves as Free Elective)</i>	3
MAT190 Calculus and Analytic Geometry I	4	MA122 Calculus I	4
CHE151 Principles of Chemistry I	4	CH101 General Chemistry I CH103 General Chemistry Laboratory I	3 1
CHE152 Principles of Chemistry II	4	CH102 General Chemistry II CH104 General Chemistry Laboratory II	3 1
PHY151 Principles of Physics I <i>(serves as Lab Science)</i>	4	PY211 Physics I	3 1
PHY152 Principles of Physics II <i>(serves as Lab Science)</i>	4	PY212 Physics II	3 1
ECO122 Microeconomics <i>(serves as General Elective or Science Elective)</i>	3	EC201 Intro to Microeconomics <i>(serves as GenEd Social Sciences Requirement)</i>	3
Elective (Core Goals 9, 12 and 13) <b>Choose One:</b> ANT104 Intro to Cultural Anthropology PSY137 Intro to Organizational Psychology	3	<i>(serves as GenEd Social Sciences Requirement)</i> AN103 Introduction to Anthropology PSX01 Psychology Elective	3

PSY255 Human Sexuality SOC105 Social Policy & Ethics in Human Services SPC115 Interpersonal Communication		PSX01 Psychology Elective SO321 Healthcare Administration CO320 Relational Communication	
Elective (Core Goals 6 and 7) <b>Choose One</b>  ART101 Art History I ART102 Art History II ART103 Art History III ENG201 Survey of English Literature I ENG221 Literature of the Western World I ENG222 Literature of the Western World II ENG246 African-American Literature MUS110 Music Appreciation	3	<i>(serves as GenEd Humanities Requirement)</i>  ARX01 Art Elective ARX01 Art Elective ARX01 Art Elective ENX01 English Elective ENX01 English Elective ENX01 English Elective ENX01 English Elective MUX01 Music Elective	3
Elective (Core Goal 4) <b>Choose One:</b>  CIS110 Information Systems for Management CIS111 Comp Science I: Programming & Concepts	3	<i>(serves as Free Elective)</i>  CSX01 Computer Science Elective CS201 Computer Programming I	3
Elective (Core Goal 10) Exercise & Health Science <b>Choose One</b>	2-3	PE101/102 Physical Education I/II	1
<b>MCCC credits toward AS</b>	<b>62-63</b>	<b>Credits Accepted</b>	<b>60</b>
<b>Total MCCC Credits</b>	<b>62-63</b>	<b>Total Credits Accepted</b>	<b>60</b>

A minimum 3.0 cumulative GPA and a minimum grade of “B” in courses with prefixes BIO, MAT, CHE, and PHY are required for admission to the Professional Bridge – Pre-Pharmacy Early Assurance program.

The courses encompassed in the A.S. degree from MCCC must be completed within the three years preceding matriculation at USciences.

The “USciences Letter of Intent” form has to be submitted at least one year prior to transferring to USciences. Three (3) students per academic year will be admitted to the USciences Professional Bridge – Pre-Pharmacy Early Assurance program under this agreement. USciences may, at its discretion, extend the number of admitted students above three based on anticipated additional seats availability in the PharmD program and transfer student credentials.

PP190 Pharmacy Orientation (1 cr) will be waived for students transferring to USciences after earning the A.S. Life Sciences. However, the total credits required for graduation (includes transfer credits) will remain unchanged.

A checklist for the 3<sup>rd</sup> year Professional Bridge – Pre-Pharmacy EA program at USciences, based on current approved curriculum, is provided in the following table. Transfer credits for the following courses will not be accepted as part of the bridge program, these courses need to be completed at USciences. [Note: To be admitted in the PharmD program students in the Professional Bridge Pre-Pharmacy EA must be full time during their transitional year (i.e. take minimum of 12 credits per semester) and meet the minimum USciences overall GPA and math/science GPA admission requirements. The following courses were identified by the Philadelphia College of Pharmacy as the pre-requisite courses that must be used to calculate the USciences overall GPA and math/science GPA, therefore they must be taken at USciences.]

<b>THIRD YEAR AT USCIENCES –PROFESSIONAL BRIDGE PROGRAM PRE-PHARMACY EA</b>		
<b>FALL</b>		
CH201	Organic Chemistry I	3
CH203	Organic Chemistry I Lab	1
BS310	Human Anatomy and Physiology I	3
PC303	Virtual Physiology Lab I	1
	Elective (course approved for Humanities GenEd Discipline & Written Communication GenEd skill; e.g. EN304, EN314, HU301, HU319, PL313, PL323)	3
<b>SPRING</b>		
CH202	Organic Chemistry II	3
CH204	Organic Chemistry II Lab	1
BS311	Human Anatomy and Physiology II	3
PC304	Virtual Physiology Lab II	1
ST310	Biostatistics	3
	Elective (course approved for Ethics & Oral Communication GenEd skills; e.g. SO347, SS305, SS321, SS422, SS488)	3

Students transferred under this agreement who have earned USciences overall GPA of 3.0, Math/Science GPA of 3.0, passed the PERC interview and completed PCP admission requirements (Signed Technical Standards, Statement of Personal and Professional Goals, PCP Academic Integrity Affidavit, Valid Social Security Number) will be admitted in the first professional year (P1) of the PharmD program. Students admitted into the PharmD program will earn the BS degree in Pharmaceutical and Healthcare Studies after the completion of the second professional year (P2), provided all the University requirements for the BS program are met.

Students transferred under this agreement who are not admitted to the professional year of the PharmD program by the end of the transitional year may complete a 4<sup>th</sup> year at USciences to earn a bachelor's degree and subsequently be admitted in the first professional year (P1) of the PharmD program if all the criteria for admission are successfully met. An example of a possible pathway to a USciences BS degrees is given below:

<b>4<sup>th</sup> YEAR AT USCIENCES – BS in BIOMEDICAL SCIENCE</b>		
CH 34X	Biochemistry	3-4
	Clinical Biology Elective	3-4
BS 466	Genetics	4
BS 493	Biological Sciences Seminar I	1
BS 494	Biological Sciences Seminar II	1
BS XXX	Biological Science Elective	3-4
	Free Electives	11-16
BS 4XX	Science Electives	2-4

### 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)*

<b>Discipline Requirement</b>	<b>Community College Courses / / USciences Courses*</b>
Natural Science ( <b>ONE</b> semester of lab required) <b>7 credits</b>	CHE151 & CHE152
Mathematics <b>6 credits</b>	MAT131 & MAT190
Communication (written & oral) <b>9 credits</b>	ENG101 & ENG102 & SPC120
Social Sciences <b>6 credits</b>	ECO122  <b>Choose One:</b>  ANT104 Intro to Cultural Anthropology PSY137 Intro to Organizational Psychology PSY255 Human Sexuality SOC105 Social Policy & Ethics in Human Services SPC115 Interpersonal Communication
Humanities <b>6 credits</b>	<b>Choose One</b>  ART101 Art History I ART102 Art History II ART103 Art History III ENG201 Survey of English Literature I ENG221 Literature of the Western World I ENG222 Literature of the Western World II ENG246 African-American Literature MUS110 Music Appreciation  <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)	<b>6 credits</b>	<b>Choose Two USciences Courses: MD prefix</b> <i>(can be taken during Professional years of PharmD program)</i>
Physical Education	<b>1 credit</b>	<b>Choose One:</b> Elective (Core Goal 10) Exercise & Health Science

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

<b>Skills, Values, and Attitudes</b>	<b>Community College Course</b>	<b>USciences Course</b> [RED = courses taken after transferring to USciences]
Ethics		See list of USciences courses approved for Ethics
Information Literacy	BIO152	
Oral Communication		See list of USciences course approved for Oral Commun
Reasoning & Problem Solving	BIO151	
Technology	BIO151	
Written Communication		See list of USciences course approved for Written Comm

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