

Exhibit 20

TRANSFER ADVISING GUIDE

**Delaware County Community College (DCCC) to University of the Sciences in Philadelphia
A.S. Business Administration – General Business → B.S. in Pharmaceutical & Healthcare Business**

**DCCC Associate in Science
Business Administration – General Business**

**USciences Bachelor of Science
Pharmaceutical & Healthcare Business**

DCCC Courses	Cr.	USciences Courses	Cr.
ENG100 English Composition I	3	WR101 Writing & Rhetoric I	3
ENG112 English Composition II: Writing about Lit.	3	WR102 Writing & Rhetoric II	3
COMM100 Interpersonal Communication (serves as BUS or Open Elective)	3	CO101 Intro to Communication	3
DPR100 Introduction to Information Technology	3	PBX01 Business Elective	3
MAT135 Business Precalculus	3	MAX01 Mathematics Elective	3
MAT136 Business Calculus	3	MAX01 Mathematics Elective	3
BIO110 Intro Biology I (serves as Scientific Inquiry Science Course)	4	BS109 General Biology I BS110 General Biology I Lab [BS103 General Biology I for students transferring prior to Fall 19]	3 1
BIO111 Intro Biology II (serves as Science Elective)	4	BS119 General Biology II BS120 General Biology II Lab [BS104 General Biology II for students transferring prior to Fall 19]	3 1
BUS100 Introduction to Business	3	PB120 Introduction to Business Seminar AND PB190 Business Orientation	2 1
BUS210 Principles of Management	3	PB323 Principles of Management	3
BUS230 Principles of Marketing	3	PB319 Intro to Marketing Management	3
BUS243 Legal Environment of Business	3	PB315 Business Law	3
BUS130 Business Communication	3	PBX01 Business Elective (serves as Business Elective)	3
BUS220 Elementary Statistics	3	STX01 Statistics Elective	3
ACC111 Financial Accounting	3	PB316 Accounting Theory	3
ACC112 Managerial Accounting	3	PB317 Managerial Accounting	3
ECO210 Macroeconomic Principles	3	EC101 Macroeconomics	3
ECO220 Microeconomic Principles	3	EC201 Microeconomics	3
Diversity and Social Justice Choose One: ENG241 HUM160	3	(serves as GenEd MD Requirement) ENX01 RS310	3

HIS110, 120, 150, 160 POL120 PSY205, 210, 220, 221, 235, 241, 242 SOC110, 120, 180, 210/PSY225, 215		HIX01 PO101 PSX01, 200, 347, 301, 204, 200, 201 SO101, 205, 306, AN103, SO330	
Humanities Elective Choose One: ARB101, 102 ART100, 110 ASL100, 102 DRA110 ENG241, 250 FRE101, 102 GER101 HUM110, 142, 160 PHI100, 110 SPA101, 102	3	(serves as GenEd MD Requirement) AC101, 102 HUX01, ARX01 HUX01 HUX01 ENX01 FR101, 102 GE101 HUX01, HU340, RS310 PL101, ETX01 SP101, 102	3
DCCC credits toward AS	62	Credits Accepted	62
Total DCCC Credits	62	Total Credits Accepted	62

A minimum 2.5 cumulative GPA is required for admission.

PE101/102-Physical Education I/II (1 cr), PB190-Business Orientation I (1 cr) will be waived for students transferring to USciences after earning the A.S. in Business Administration – General Business. However, the total credits required for graduation (includes transfer credits) will remain unchanged.

Transfer students are required to participate in a weekend retreat (Friday 3 PM to Sunday 3 PM) early in their first semester at USciences.

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 DCCC 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 Humanities

3 credits of coursework will be completed after transferring to USciences (currently included in the 3rd year at USciences) by taking ET313 Business Ethics. The remaining 3 credits of coursework can be taken at DCCC or after transferring to USciences (currently included in the 3rd and 4th year at USciences). If the 3 credits are taken at DCCC, they should be selected from the following lists:

3 credits in Humanities: Select ONE ARB101, 102 ART100, 110 ASL100, 102 DRA110	GenEd Discipline Requirements – Humanities AC101, 102 HUX01, ARX01 HUX01 HUX01
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ENG241, 250 FRE101, 102 GER101 HUM110, 142, 160 PHI100, 110 SPA101, 102	ENX01 FR101, 102 GE101 HUX01, HU340, RS310 PL101, ETX01 SP101, 102
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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		
BS205	Human Structure & Function I	3
BS206	Human Structure & Function II	3
PB242	Health Care System	2
PB243	Health Care System II	2
WR303	Professional Writing	3
PA335	Marketing Applications in the Clinical Use of Drugs I	3
PB383	Special Topics in Pharmaceutical and Health Care Business II	2
PA336	Marketing Applications in The Clinical Use of Drugs II	4
PB382	Special Topics in Pharmaceutical and Health Care Business I	2
PB478	Market Research	3
ET313	Business Ethics	3

FOURTH YEAR AT USCIENCES		
	GenEd Humanities Requirement	3
	Business Elective	2-3
PB318	Financial Management	3
PB452	Legal Aspects of Drug Development, Production and Management	2
PB483	Special topics in PHB IV	2
PB490	Senior Thesis Methodology	2
PA564 OR PA465	Applied Pharmacoeconomics (Fall) OR Pharmacoeconomic Considerations in Medication Selections and Use (Spring)	2
PB435	Advertising & Promotion	3
PB437	International Marketing	2
PB482	Special Topics in PHB III	2
PB491	Senior Thesis	3

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	BIO110 & BIO111
Mathematics 6 credits	MAT152 & MAT160

Communication (written & oral)	9 credits	ENG100 & ENG122 & COMM100
Social Sciences	6 credits	ECO210 & ECO220
Humanities	6 credits	ET313 Business Ethics 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 (may be substituted by Social Sciences &/or Humanities courses)	6 credits	Choose One: ENG241 HUM160 HIS110, 120, 150, 160 POL120 PSY205, 210, 220, 221, 235, 241, 242 SOC110, 120, 180, 210/PSY225, 215 Choose One: ARB101, 102 ART100, 110 ASL100, 102 DRA110 ENG241, 250 FRE101, 102 GER101 HUM110, 142, 160 PHI100, 110 SPA101, 102
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		ET313
Information Literacy	BIO112	
Oral Communication	SOC110	Or see list of USciences courses approved for Oral Comm
Reasoning & Problem Solving	BIO111	
Technology	BIO111	
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.