

**EXHIBIT A**  
**Transfer Advising Guide**  
**Bucks County Community College (Bucks)**  
**A.S. Biomedical Sciences 1105 to**  
**Temple University School of Pharmacy Doctor of Pharmacy (Pharm.D.)**

Bucks Recommended Course			Temple University Equivalent		
<i>First Semester</i>		<i>Credits</i>	<i>First Semester</i>		<i>Credits</i>
COLL101	College Success Seminar	1	UNVS	Elective	1
COMP110	English Composition I	3	ENG 0802	Analytic Reading & Writing	3
MATH140	Calculus I <sup>i</sup>	4	MATH 1041	Calculus I	4
CHEM121	Chemistry I	4	CHEM 1031	General Chemistry I	3
			CHEM 1033	General Chemistry I Lab	1
HLTH120	Nutrition <sup>ii</sup>	3	ECON 1101 or ECON 1102	Macroeconomic Principles Microeconomic Principles	3
SOCI110	Intro. to Sociology	3	SOC 1176	Introduction to Sociology <sup>iii</sup>	3
<b>Subtotal</b>		<b>18</b>	<b>Subtotal</b>		<b>18</b>
<i>Second Semester</i>		<i>Credits</i>	<i>Second Semester</i>		<i>Credits</i>
CISC110	Intro. to Information Systems	3	CIS	Lower Level Elective	3
COMP111	English Composition II	3		Humanities Elective	3
PSYC110	Intro. to Psychology	3	PSY 1001	Introduction to Psychology <sup>iii</sup>	3
	Arts/Humanities Elective <sup>iv</sup>	3		Humanities Elective <sup>viii</sup>	3
CHEM122	Chemistry II	4	CHEM 1032	General Chemistry II	3
			CHEM 1034	General Chemistry II Lab	1
<b>Subtotal</b>		<b>16</b>	<b>Subtotal</b>		<b>16</b>
<i>Third Semester</i>		<i>Credits</i>	<i>Third Semester</i>		<i>Credits</i>
BIOL121	Biological Principles I	4	BIOL 2112	Intro. to Cell. & Molecular Biology	4
	Biomedical Sciences Elec. <sup>v</sup>	5	CHEM 2201 CHEM 2203	Organic Chemistry I Organic Chemistry I Lab	3 1
	Biomedical Sciences Elec. <sup>vi</sup>	4	PHYS 1021 or PHYS 1061	Introduction to General Physics Elementary Classical Physics I	4
	Biomedical Sciences Elec. <sup>vii</sup>	4	KINS 1223	Human Anatomy & Physiology I	4
<b>Subtotal</b>		<b>17</b>	<b>Subtotal</b>		<b>16</b>

<i>Fourth Semester</i>		<i>Credits</i>	<i>Fourth Semester</i>		<i>Credits</i>
BIOL122	Biological Principles II	4	BIOL 1111	Introduction to Organismal Biology	4
COMM110	Effective Speaking	3	CSI 1111	Public Speaking <sup>viii</sup>	3
	Biomedical Sciences Elec. <sup>ix</sup>	5	CHEM 2202 CHEM 2204	Organic Chemistry II Organic Chemistry II Lab	3 1
	Biomedical Sciences Elec. <sup>x</sup>	4	KINS 1224	Human Anatomy & Physiology II	4
<b>Subtotal</b>		<b>16</b>	<b>Subtotal</b>		<b>15</b>
<b>TOTAL CREDITS FOR BUCKS A.S.</b>		<b>67</b>	<b>TOTAL CREDITS TRANSFERRED TO TEMPLE</b>		<b>65</b>

<sup>i</sup> Students should request a course substitution of MATH140 for MATH120 from the STEM Department at Bucks.

<sup>ii</sup> Students should request a course substitution of ECON111 or ECON 112 for HLTH120 from the STEM Department at Bucks.

<sup>iii</sup> This also fulfills a Social Sciences elective requirement at Temple.

<sup>iv</sup> Select from one of the approved Arts/Humanities courses in the Bucks catalog.

<sup>v</sup> Select CHEM221 – Organic Chemistry I at Bucks.

<sup>vi</sup> Select one of the following at Bucks: PHYS106 or PHYS121.

<sup>vii</sup> Select BIOL181 – Anatomy & Physiology I at Bucks.

<sup>viii</sup> This also fulfills a Humanities elective requirement at Temple.

<sup>ix</sup> Select CHEM222 – Organic Chemistry II at Bucks.

\* Select BIOL182 – Anatomy & Physiology II at Bucks.