

**Pathway - Biochemistry**

**Southwestern Illinois Community College**

**Associate of Science**

**Fall Year 1**

SWIC Course		Hours
ENG 101	Rhetoric and Comp I	3
BIOL 101	Principles of Biology I	4
CHEM 105	General Chemistry I	5
MATH 203	Analytical Geometry and Calc	5
<b>Total</b>		<b>17</b>

**Spring Year 1**

SWIC Course		Hours
ENG 102	Rhetoric and Comp II	3
BIOL 102	Principles of Biology II	4
CHEM 106	General Chemistry II	5
MATH 107	General Education Statistics	4
<b>Total</b>		<b>16</b>

**Fall Year 2**

SWIC Course		Hours
<sup>1</sup> IAI FA	IAI Fine Arts	3
CHEM 201	Organic Chemistry I	5
COMM 151	Public Speaking	3
BIOL 270	Genetics	4
HES 1xx	Human Well Being	2
<b>Total</b>		<b>17</b>

**Spring Year 2**

SWIC Course		Hours
CHEM 202	Organic Chemistry II	5
<sup>1</sup> IAI HUM	Humanities	3
<sup>1</sup> IAI Social Science	Social Science	3
<sup>1</sup> IAI Behavioral	Behavioral Science	3
<b>Total</b>		<b>14</b>

**Completion of Associate of Science degree 64**

<sup>1</sup> Students will need to complete one Human Relations course and one Non-Western for Associate Degree. Please see Partnership advisor for more information.

**Southern Illinois University Edwardsville**

**Bachelor of Science**

**Fall Year 3**

SIUE Course		Hours
CHEM 331	Quantitative Analytical Chem	3
CHEM 335	Quant Lab	1
BIOL 319	Cell and Molecular Biology	4
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
PHYS 131/131L	College Physics I	5
<b>Total</b>		<b>17</b>

**Spring Year 3**

SIUE Course		Hours
CHEM 451b	Biochemistry	3
CHEM 455	Biochemistry Lab	2
CHEM XXX	CHEM elective	2
PHYS 132/132L	College Physics II	5
ELE XXX	Electives	4
<b>Total</b>		<b>16</b>

**Fall Year 4**

SIUE Course		Hours
CHEM 410	Bio-Inorganic Chemistry	3
CHEM 451c	Biochemistry	3
CHEM 461a	BioPhysical Chemistry II	3
CHEM 465	BioPhysical Chemistry Lab	2
CHEM XXX	CHEM elective	2
<b>Total</b>		<b>13</b>

**Spring Year 4**

SIUE Course		Hours
CHEM 461B	BioPhysical Chemistry II	3
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
CHEM 499	Senior Assignment	0
STAT 244	Statistics	4
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>14</b>

**Completion of Bachelor of Science degree 124**

\*\* Students must complete 50% or more of SIUE degree requirements at SIUE (120 hours required for graduation).