

Southwestern Illinois College
Pathway - Chemistry- Medical Science

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 | Analytic Geometry and Calc I | 5 |
| Total | | 17 |

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 204 | Analytic Geometry and Calc II | 5 |
| Total | | 17 |

Fall Year 2

| SWIC Course | | Hours |
|---------------------|---------------------|-----------|
| ¹ 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 |
| Total | | 17 |

Spring Year 2

| SWIC Course | | Hours |
|---------------------------------|----------------------|-----------|
| CHEM 202 | Organic Chemistry II | 5 |
| ¹ IAI Social Science | Social Science | 3 |
| ¹ IAI Humanities | IAI Humanities | 3 |
| ¹ IAI Behavioral | Behavioral Science | 3 |
| Total | | 14 |

Completion of Associate of Science degree 65

¹ 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 Arts

Fall Year 3

| SIUE Course | | Hours |
|---------------|----------------------------------|-----------|
| CHEM 331 | Quantitative Analytical Chem | 3 |
| CHEM 335 | Quant Lab | 1 |
| CHEM 361a | Physical Chemistry | 3 |
| CHEM 365a | Physical Chemistry Lab | 2 |
| CHEM 300 | Professionalism in Science | 1 |
| PHYS 151/151L | University PhysicsI ¹ | 5 |
| Total | | 15 |

Spring Year 3

| SIUE Course | | Hours |
|----------------------------|-----------------------|-----------|
| CHEM XXX | Chemistry Elective | 3 |
| PHYS 152/152L | University Physics II | 5 |
| CS 140/STAT107/244/380/480 | | 4 |
| FPA or HUM | Fine Arts/Humanities | 3 |
| Total | | 15 |

Fall Year 4

| SIUE Course | | Hours |
|--------------|-------------------------------|-----------|
| CHEM 451a | Biochemistry I | 3 |
| FL 101 | Foreign Language ³ | 4 |
| FPA or HUM | Fine Arts/Humanities | 3 |
| FPA or HUM | Fine Arts/Humanities | 3 |
| CHEM XXX | Chemistry Elective | 3 |
| Total | | 16 |

Spring Year 4

| SIUE Course | | Hours |
|--------------|----------------------------------|-----------|
| CHEM 451b | Biochemistry II | 3 |
| CHEM 499 | Senior Assignment | 0 |
| FL 102 | Foreign Language II ³ | 4 |
| FPA or HUM | Fine Arts/Humanities | 3 |
| IS | Interdisciplinary Studies | 3 |
| Total | | 13 |

Completion of Bachelor of Art degree 124

¹PHYS 131/131L can substitute.

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