

Pathway Chemistry (ACS)

**Lincoln Land Community College
Associate in Science**

Fall Year 1

LLCC Course		Hours
CMN 101	Public Speaking Fundamentals	3
CHE 101	General Chemistry I	4
EGL 101	Composition I	3
MAT 131	Calculus & Analytic Geometry I	5
Total		15

Spring Year 1

LLCC Course		Hours
CHE 102	General Chemistry II	4
EGL 102	Composition II	3
MAT 132	Calculus & Analytic Geometry II	5
PHY 201	Physics I	4
Total		16

Fall Year 2

LLCC Course		Hours
CHE 201	Organic Chemistry I	5
PHY 202	Physics II	4
Fine Arts	IAI Fine Arts	3
Social Science	IAI Social Science	3
Total		15

Spring Year 2

LLCC Course		Hours
BIO 101	General Biology	4
CHE 202	Organic Chemistry II	5
Social Science	IAI Social Science	3
Humanities	IAI Humanities	3
Total		15

Completion of Associate in Science degree 61

**Southern Illinois University Edwardsville
Bachelor of Science**

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
CHEM 451a	Biochemistry I	3
Elective	Electives	3
Total		16

Spring Year 3

SIUE Course		Hours
CHEM 361b	Physical Chemistry	3
CHEM 365b	Physical Chemistry Lab	1
STAT 107/244/380	Statistics	4
Elective	Electives	3
Elective	Electives	3
Total		14

Fall Year 4

SIUE Course		Hours
CHEM 411	Inorganic Chemistry	3
IS XXX	Interdisciplinary Studies	3
Elective	Electives	6
CHEM 415	Inorganic Chemistry Lab	2
Total		14

Spring Year 4

SIUE Course		Hours
CHEM XXX	Chemistry Lecture Elective(s)	4
CHEM XXX	Chemistry Lab Elective	2
CHEM 499	Senior Assignment	0
Elective	Electives	6
CHEM 431	Instrumental Analysis	3
CHEM 435	Instrumental Analysis Lab	1
Total		16

Completion of Bachelor of Science degree 121

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

About the American Chemical Society (ACS): The ACS is a self-governed individual membership organization that consists of members at all degree levels and all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests.