

Pathway Biochemistry (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
BIOL 111	Principles of Biology I	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 / 335	Quant Analytical Chem / Lab	4
CHEM 361a/365a	Physical Chemistry / Lab	5
CHEM 300	Professionalism in Science	1
CHEM 451a	Biochemistry	3
BIOL 150	Intro to Biological Sciences I	4
Total		17

Spring Year 3

SIUE Course		Hours
CHEM 361b/365b	Physical Chemistry / Lab	4
CHEM 396	Introduction to Research	2
CHEM 451b/455	Biochemistry II/Biochemistry Lab	5
BIOL 151	Intro to Biological Sciences II	4
Total		15

Fall Year 4

SIUE Course		Hours
CHEM 411 / 415	Inorganic Chemistry / Lab	5
CHEM 451c	Biochemistry III	3
BIOL 220	Genetics	4
CHEM 496	Chemical Problems	2
Total		14

Spring Year 4

SIUE Course		Hours
CHEM 431 / 435	Instrumental Analysis / Lab	4
CHEM 499	Senior Assignment	0
STAT 244/380	Statistics	3
BIOL 319	Cell and Molecular Biology	4
IS	Interdisciplinary Studies	3
Total		14

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.