

Pathway Chemistry - 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.