BACHELOR OF SCIENCE IN INTEGRATIVE STUDIES BIOLOGY AND CHEMISTRY FOCUS AREAS (Bioprocess Science)

This guide provides only a suggested course of study and should be used in consultation with an advisor and the SIUE Undergraduate Catalog, available online at www.siue.edu/registrar.

	Spring Semester	
	Year 1	
3	ENG 102 English Composition II	3
4	BIOL 151 Introduction to Biological Sciences II	4
5	CHEM 121B/125B General Chemistry II and lab	5
3	ACS 101 Public Speaking or ACS 103 Interpersonal Comm	3
15		15
	Year 2	
3	CHEM 241B/245 Organic Chemistry II and lab	5
3	BIOL 250 Bacteriology	4
3	US Cultures (EUSC)	3
3	QR 101 (proficiency recommended)	3
4	CHEM 296 or BIOL 493	0-1
16		15-16
	Year 3	
2	BIOL 493 or CHEM 396	0-4
3	Global Cultures (EGC)	3
3	CHEM 482/483 Fermentation Science II & Lab	4
4	3xx-4xx Level Program Elective or Minor	3
3	ELECTIVE	3
15		13-17
	Year 4	
3		3
	· · · · · · · · · · · · · · · · · · ·	3
	•	3
_		2
		4
	(5 255,2.52 155 151.151.151.151.151.151.151	15
_	4 5 3 	Year 1 3 ENG 102 English Composition II 4 BIOL 151 Introduction to Biological Sciences II 5 CHEM 121B/125B General Chemistry II and lab 3 ACS 101 Public Speaking or ACS 103 Interpersonal Comm 15 Year 2 3 CHEM 241B/245 Organic Chemistry II and lab 3 BIOL 250 Bacteriology 3 US Cultures (EUSC) 3 QR 101 (proficiency recommended) 4 CHEM 296 or BIOL 493 16 Year 3 2 BIOL 493 or CHEM 396 3 Global Cultures (EGC) 3 CHEM 482/483 Fermentation Science II & Lab 4 3xx-4xx Level Program Elective or Minor 5 ELECTIVE Year 4 3 INTG 499 Integrative Studies Senior Project 4 Leadership Course+ 3 Interdisciplinary Studies(IS) course 3 BIOL 493 Research or CHEM 496 5 ELECTIVE (if CHEM 296/BIOL 493 is not taken for credit)

Declaration:

Declaration into this major requires an academic plan created in consultation with the Integrative Studies advisor and an application submitted to the Integrative Studies Program Director.

The University requires students earning a Bachelor of Science (BS) degree to complete at least eight (8) courses in the sciences (life, physical, or social) (*), including, as a part of those eight (8) courses, two (2) courses designated as labs (EL).

Students must complete 60 hours at the 200 level or above and 40 hours at the 300 level or above.

+Select one of the following courses: PSYC 320 Introduction to Industrial/Organizational Psychology, PSYC 365 Group Dynamics and Individual Behavior, PSYC 474 Organizational Psychology, or SOC 338 Sociology at Work