

PROGRAM ARTICULATION DEGREE PLAN					
Rend Lake College	2021-2022		Southern Illinois University Carbondale		
AS Biological Sciences - 69 hours			BS Biological Sciences (BIOS) Biomedical Science Specialization- 120 hours		
			University Core Curriculum (UCC) - 39 hrs*		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COMM 1101	Principles of Effective Speaking	3	CMST 101	Intro to Oral Communication	T
ENGL 1101	Rhetoric and Composition I	3	ENGL 101	English Composition I	T
ENGL 1102	Rhetoric and Composition II	3	ENGL 102	English Composition II	T
MATH 1111	Statistics	4	MATH 282	Intro to Statistics	T
MATH 1121	Calculus & Analytic Geometry I	5	MATH 150**	Calculus I	T
	Social Science Elective	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
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			HUMANITIES		NA
	Humanities Elective	3	HUMANITIES	See SIUC Transfer Equivalency Guide	T
CHE 1103	Inorganic Chemistry	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab	T
BIO 1102	Environmental Ecology	4	PLB 301I	Environmental Issues	T
PHY 1101	College Physics I	5	PHYS 203A -and- 253A	College Physics w/Lab	T
PHY 1102	College Physics II	5	PHYS 203B -and- 253B	College Physics w/Lab	T
	Fine Arts Elective	3	FINE ARTS	See SIUC Transfer Equivalency Guide	T
HEA 1101	Health Education	2	PH 101	Foundations Human Health	T
			MULTICULTURAL		NA
		51			0
			*An AS from a regionally accredited Illinois community college satisfies UCC Requirements		
Program Requirements			Program Requirements		
BIO 1101	College Biology	5	BIOL 211	Introductory Cell Biology & Genetics	T
BIO 1104	College Biology II	5	BIOL 212	Introductory Evolution & Ecology	T
CHE 1104	Inorganic Chemistry/Qualitative Analysis	5	CHEM 210, 211 -and- 212	Gen & Inorganic Chem w/Lab & Workshop	T
CSCI 1101 -or- 1102	Intro Comp -or- Intro Comp w/Business App	3	CS 200B -or- ITEC 229	Computer Concepts -or- Computing Business Administration	T
		18			
			College of Science Requirements		
			Biological Sciences	BIOL 213: Intro to Organismal Form & Function	4
			Mathematics	Satisfied by MATH 150 listed above	**
			Supportive Skills	CS 105, 201, 202, ENGL 290, 291, 391 or any two semesters of foreign language	3
					7
			Program Requirements		
			BIOL 305	Principles of Genetics	3
			BIOL 306	Cell Biology	3
			BIOL 409	Developmental Biology	3
			CHEM 340 -and- 341	Organic Chemistry I w/Lab	5
			CHEM 442 -and- 443 -or- CHEM 350 -and- 351	Organic Chemistry II w/Lab -or- Biological Chemistry w/Lab	5
			MICR 301	Principles of Microbiology	4
			MICR 302	Molecular Biology	3
			Senior Seminar	Select 1 of BIOL 485, MICR 495, PHSL 490, PLB 480, ZOOL 482	1
			PHSL 310	Principles of Physiology	5
			Life Science Electives	Choose from approved courses	12
			*Credit from all areas must total 42 hours of 300/400 level courses		
					44
Total semester hrs completed with AS degree:		69	Total semester hrs completed with BS degree:		51
			Total hrs to BS degree:		120
Degree Plan updated on 12/6/21 by SG					