

Sacred Heart College - Junior College Division

Associate Degree of Science

Double Major Biology & Chemistry Program Sequence

35 Courses - 87 Credit Hours

Effective August 2018, Updated May 2020, L.Jones & M. O'Brien

Pre-College Courses	Status	Course	Contact	Pre	Co	Course Replaces	Grade
	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Pre-College English 1	Pre-College	ENGL0014	4.5			EN01	
Pre-College English 2	Pre-College	ENGL0104	4.5			EN02	
Pre-College Mathematics	Pre-College	MATH0014	4.5			MT02 or MT03	
Pre-College Spanish	Pre-College	SPAN0014	3				
Year 1 Semester 1							
August – December (Fall)	Prof. or Gen. Core	Code	Credit	Pre	Co	Course Replaces	Grade
			Hours	Requisites	Requisites		
Biology Lab I	Prof.	BIOL1001L	1		BIOL1101, BIOL1201		
Cytology	Prof.	BIOL1101	3		BIOL1001L		
Principles of Chemistry I	Prof.	CHEM1101	4		CHEM1101L		
Principles of Chemistry Lab I	Prof.	CHEM1101L	1		CHEM1101		
College English 1	Gen. Core	ENG1004	3	ENGL0104/Pass ATLIB		EN10 or EN18	
Intermediate Algebra	Gen. Core	MATH1004	3	MATH0014/Pass ATLIB		MT10 or MT1B	
Belizean History	Gen. Core	HIST1004	3				
Info Management Gen. Core							
Introduction to Computer Applications	Gen. Core	CMPG1004	3				
Year 1 Semester 2							
January - May (Spring)	Prof. or Gen. Core	Code	Credit	Pre	Co	Course Replaces	Grade
			Hours	Requisites	Requisites		
Biology Lab II	Prof.	BIOL1202L	1	BIOL1101, BIOL1201, BIOL1001L	BIOL1302, BIOL1402		
Biodiversity	Prof.	BIOL1302	4	BIOL1101, BIOL1001L	BIOL1202L		
Principles of Genetics and Evolution	Prof.	BIOL1402	3	BIOL1101, BIOL1001L	BIOL1202L		
Principles of Chemistry II	Prof.	CHEM1312	4	CHEM1101, CHEM1101L	CHEM1312L	CHEM1202	
Principles of Chemistry Lab II	Prof.	CHEM1312L	1	CHEM1101, CHEM1101L	CHEM1312	CHEM1202L	
Introduction to Organic and Biochemistry	Prof.	CHEM 1203	3			BIOL 1201	
College Algebra	Prof.	MATH1105	3	MATH1004			
Year 1 Summer							
June - July (Summer)	Prof. or Gen. Core	Code	Credit	Pre	Co	Course Replaces	Grade
			Hours	Requisites	Requisites		
College English 2	Gen. Core	ENGL1104	3	ENG1004		EN11 or EN19	
Choose One of the following: Personal & Social Responsibility Gen. Core							
Introduction to Philosophy	Gen. Core	PHIL2005	3				

Moral Decision Making	Gen. Core	THEO2004	3			TH20 or TH21 or TH23
Ethics	Gen. Core	THEO2104	3			TH20 or TH21 or TH22
Catholic Social Teaching	Gen. Core	THEO1152	3			
Religions of the World	Gen. Core	THEO2154	3			
Theology of the Body	Gen. Core	THEO1401	3			

6

Year 2 Semester 1	Status	Course	Credit	Pre	Co	Course Replaces	Grade
August – December (Fall)	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Organic Chemistry I	Prof.	CHEM 2201	3	HEM 1312, CHEM 1312L, CHEM 12	CHEM 2201L		
Organic Chemistry I Lab	Prof.	CHEM 2201L	1	CHEM1312L, CHEM 1203	CHEM 2201		
Chemistry of Elements	Prof.	CHEM 2141	3	HEM 1312, CHEM 1312L, CHEM 12	CHEM 2141L		
Chemistry of Elements Lab	Prof.	CHEM 2141L	1	CHEM1312L, CHEM 1203	CHEM 2141		
Introduction to Botany	Prof.	BIOL2101	3	BIOL1101, BIOL1001L	BIOL2301L		
Growth and Development	Prof.	BIOL2201	2	BIOL1101, BIOL1001L, BIOL1402	BIOL2301L		
Biology Lab III	Prof.	BIOL2301L	1	BIOL1202L, BIOL1302, BIOL1402	BIOL2101, BIOL2201		
College English 3	Gen. Core	ENGL2004	3	ENGL1104		EN21	
Choose One of the following: Communication Gen. Core							
Functional Spanish	Gen. Core	SPAN1004	3	Based on placement exam results			
College level Spanish	Gen. Core	SPAN1104	3	Based on placement exam results			

20

Year 2 Semester 2	Status	Course	Credit	Pre	Co	Course Replaces	Grade
January - May (Spring)	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Human Health & Diseases	Prof.	BIOL2402	3	BIOL 1101, BIOL1101L, BIOL1402	BIOL2502L		
Advance Ecology	Prof.	ECOL2272	3	BIOL1302, BIOL2101	BIOL2502L	NRMP1001	
Biology Lab IV	Prof.	BIOL2502L	1	BIOL2030L	BIOL2402, ECOL2272		
Organic Chemistry II	Prof.	CHEM 2311	3	CHEM 2201, CHEM 2201L	CHEM 2311L		
Organic Chemistry Lab II	Prof.	CHEM 2311L	1	CHEM 2201, CHEM 2201L	CHEM 2311		
Environmental and Industrial Chemistry	Prof.	CHEM 2502	3	1312, CHEM 1312L	CHEM 2503		
General Physics I	Prof.	PHYS 1001	3	MATH1105	CHEM 2503		
General Physics Lab I	Prof.	CHEM 2503	1	MATH1105	CHEM 2311, CHEM 2242, CHEM 2502, CHEM 2401		
Choose One of the following: Social Science Gen. Core							
Introduction to Anthropology	Gen. Core	ANTH1004	3				
Introduction to Cultural Anthropology	Gen. Core	ANTH1105	3				
Psychology	Gen. Core	PSYC1004	3				
Community Cultural Issues	Gen. Core	SOCL1002	3				
Sociology	Gen. Core	SOCL1104	3				
Geography	Gen. Core	SOCL1205	3				

21

66