

Sacred Heart College - Junior College Division

Associate Degree of Science

Double Major Biology & Chemistry Program Sequence

39 Courses - 92 Credit Hours

Pre-College Courses	Status	Course	Contact	Pre	Co	Course Replaces	Grade
	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Pre-College English 1	Gen. Core	ENGL0014	4.5			EN01	
Pre-College English 2	Gen. Core	ENGL0104	4.5			EN02	
Pre-College Mathematics	Gen. Core	MATH0014	4.5			MT02 or MT03	
Pre-College Spanish	Gen. Core	SPAN0014	3				
Year 1 Semester 1	Status	Course	Credit	Pre	Co	Course Replaces	Grade
August – December (Fall)	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Cytology	Prof.	BIOL1101	3		BIOL1101L		
Cytology Lab	Prof.	BIOL1101L	1		BIOL1101		
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				
Choose One of the following: Info Management Gen. Core							
Introduction to Computers	Gen. Core	CMPG1004	3				
Total Credits			21				
Year 1 Semester 2	Status	Course	Credit	Pre	Co	Course Replaces	Grade
January - May (Spring)	Prof. or Gen. Core	Code	Hours	Requisites	Requisites		
Biodiversity	Prof.	BIOL1312	3	BIOL1101,BIOL1101L	BIOL1312L	BIOL1302	
Biodiversity Lab	Prof.	BIOL1312L	1	BIOL1101,BIOL1101L	BIOL1312		
Principles of Genetics and Evolution	Prof.	BIOL1402	3	BIOL1101,BIOL1101L	BIOL1402L		
Principles of Genetics and Evolution Lab	Prof.	BIOL1402L	1	BIOL1101,BIOL1101L	BIOL1402		
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 Oganic and Biochemistry	Prof.	CHEM 1203	3		CHEM1203L	BIOL 1201	
Introduction to Organic and Biochemistry Lab	Prof.	CHEM1203L	1		CHEM 1203		
College Algebra and Trigonometry	Prof.	MATH1106	4	MATH1004			
Total Credits			21				
Year 1 Summer	Status	Course	Credit	Pre	Co	Course Replaces	Grade
June - July (Summer)	Prof. or Gen. Core	Code	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				
Total Credits			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,BIOL1101L	BIOL2301L		
Introduction to Botany Lab	Prof.	BIOL2101L	1	BIOL1101,BIOL1101L			
Growth and Development	Prof.	BIOL2211	3	BIOL1101,BIOL1402	BIOL2301L	BIOL2201	
Growth and Development Lab	Prof.	BIOL2211L	1	BIOL1101L,BIOL1402L	BIOL2101, BIOL2201		
Critical Thinking	Gen. Core	CRT2002	3	ENGL1104			
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			
Total Credits			22				
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	BIOL2402L		
Human Health & Diseases Lab	Prof.	BIOL2402L	1	BIOL 1101, BIOL1101L, BIOL1402	BIOL2402		
Advance Ecology	Prof.	ECOL2272	3	BIOL1312, BIOL2101	ECOL2272L	NRMP1001	
Advance Ecology Lab	Prof.	ECOL2272L	1	BIOL1312, BIOL2101, BIOL1312L	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	CHEM1312, CHEM 1312L			
General Physics I	Prof.	PHYS 1001	3	MATH1106			
General Physics Lab I	Prof.	CHEM 2503	1	MATH1106			
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				
Total Credits		22					
Total Credits of Program		92					