

Sacred Heart College - Junior College Division

Associate Degree of Science
Chemistry Program Sequence
30 Courses - 76 Credit Hours

Effective August 2017, Updated June 2020 L.Jones & M. O'Brien

| Pre-College Courses | Status | Course Code | Contact Hours | Pre Requisites | Co Requisites | Course Replaces | Grade |
|---|--------------------|-------------|---------------|-------------------------------|---------------|-----------------|-------|
| 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 | | | | | | | |
| August – December (Fall) | Prof. or Gen. Core | Course Code | Credit Hours | Pre Requisites | Co Requisites | Course Replaces | Grade |
| Biology Lab I | Prof. | BIOL1001L | 1 | | BIOL1001 | | |
| General Biology 1 | Prof. | BIOL1001 | 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 | |
| Info Management Gen. Core | | | | | | | |
| Introduction to Computers | Gen. Core | CMPG1004 | 3 | | | | |
| Year 1 Semester 2 | | | | | | | |
| January - May (Spring) | Prof. or Gen. Core | Course Code | Credit Hours | Pre Requisites | Co Requisites | Course Replaces | Grade |
| Biology Lab II | Prof. | BIOL1202L | 1 | BIOL1101, BIOL1201, BIOL1001L | BIOL 1352 | | |
| General Biology II | Prof. | BIOL1352 | 3 | BIOL1001, 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 English 2 | Gen. Core | ENGL1104 | 3 | ENG1004 | | EN11 or EN19 | |
| College Algebra | Prof. | MATH1105 | 3 | MATH1004 | | | |
| Year 1 Summer | | | | | | | |
| June - July (Summer) | Prof. or Gen. Core | Course Code | Credit Hours | Pre Requisites | Co Requisites | Course Replaces | Grade |
| Belizean History | Gen. Core | HIST1004 | 3 | | | | |
| Choose One of the following: Personal & Social Responsibility Gen. Core | | | | | | | |
| Introduction to Philosophy | Gen. Core | PHIL2005 | 3 | | | | |

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| 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 | | | |

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| 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 | | |
| College English 3 | Gen. Core | ENGL2004 | 3 | ENGL1104 | | EN21 | |
| Calculus I | Gen. Core | MATH2301 | 3 | MATH1105 | | | |
| 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 | | | |

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| Year 2 Semester 2 | Status | Course | Credit | Pre | Co | Course Replaces | Grade |
|---|--------------------|------------|--------|-----------------------|--|-----------------|-------|
| January - May (Spring) | Prof. or Gen. Core | Code | Hours | Requisites | Requisites | | |
| 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 | SSGA1104 | | | |
| Introduction to Cultural Anthropology | Gen. Core | ANTH1105 | 3 | | | | |
| Psychology | Gen. Core | PSYC1004 | 3 | SSGP1104 | | | |
| Community Cultural Issues | Gen. Core | SOCL1002 | 3 | TRGS1102 | | | |
| Sociology | Gen. Core | SOCL1104 | 3 | SSGS1104 | | | |
| Geography | Gen. Core | SOCL1205 | 3 | | | | |
| Choose One of the following: Humanities Gen. Core | | | | | | | |
| Elements of Literature | Gen. Core | LITR2004 | 3 | ENGL1004 | | | |
| Communication Studies | Gen. Core | ENGL2015 | 3 | ENGL2004 | | | |
| Belizean Literature | Gen. Core | LITR1253 | 3 | ENGL1004 | | | |
| Caribbean Literature | Gen. Core | LITR2301 | 3 | ENGL1004 | | | |
| Major British Authors | Gen. Core | LITR2402 | 3 | ENGL1004 | | | |

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| Adolescent Literature | Gen. Core | LITR2151 | 3 | ENGL1004 | | | |
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