

**FACULTY OF EDUCATION & ARTS**  
**Bachelor Degree in Biology Education**  
**Program Sequence 2022**

| PREREQUISITES (67 CREDITS – from any feeder institution) |                                   |    |       |                                |                                                                        |    |
|----------------------------------------------------------|-----------------------------------|----|-------|--------------------------------|------------------------------------------------------------------------|----|
| HUMANITIES (6 CREDITS)                                   |                                   |    |       | PROFESSIONAL CORE (31 CREDITS) |                                                                        |    |
| Course ID                                                | Course Name                       | Cr | Grade | Course ID                      | Course Name                                                            | Cr |
| HIST1014                                                 | Introduction to Belizean History  | 3  |       | BIOL1151/BIOL1151L             | Cytology & Lab                                                         | 4  |
| PHIL1014                                                 | Ethics                            | 3  |       | BIOL2351/ BIOL2401L            | Genetics & Evolution & Plant Physiology and Genetics and Evolution Lab | 4  |
| CRTH 1014                                                | Critical Thinking                 | 3  |       | BIOL2402/BIOL2552L             | Ecology & Animal Physiology and Ecology Lab                            | 4  |
| MATHS & NATURAL SCIENCES (6 CREDITS)                     |                                   |    |       | BIOL1332/BIOL1332L             | Reproduction Growth & Development & Lab                                | 4  |
| MATH1014                                                 | Intermediate Algebra              | 3  |       | CHEM1015/CHEM1015L             | General Chemistry 1 & Lab                                              | 4  |
| CMPS1004                                                 | Introduction to Computer Studies  | 3  |       | CHEM1025/CHEM1025L             | General Chemistry 2 & Lab                                              | 4  |
| SOCIAL SCIENCES (9 CREDITS)                              |                                   |    |       | CHEM1032/CHEM1032L             | Intro to Organic & Biochemistry & Lab                                  | 4  |
| PSYC1014                                                 | Introduction to Psychology        | 3  |       | EDUC2224                       | Teaching Methods                                                       | 3  |
| SOCL1014                                                 | Introduction to Sociology         | 3  |       |                                |                                                                        |    |
| MGMT1014 or                                              | Fundamentals of Management        | 3  |       |                                |                                                                        |    |
| ECON1014                                                 | Intro to Economics                |    |       |                                |                                                                        |    |
| SPECIAL COMPETENCIES (12 CREDITS)                        |                                   |    |       |                                |                                                                        |    |
| ENGL1014                                                 | College English 1                 | 3  |       |                                |                                                                        |    |
| ENGL1025                                                 | College English 2                 | 3  |       |                                |                                                                        |    |
| SPAN2015                                                 | Intermediate Spanish <sup>2</sup> | 3  |       |                                |                                                                        |    |
| RSCH2014                                                 | Research Methods                  | 3  |       |                                |                                                                        |    |

| Year 1 - Semester 1 |                                        |           |       | Year 2 - Semester 1      |                                         |           |
|---------------------|----------------------------------------|-----------|-------|--------------------------|-----------------------------------------|-----------|
| Course ID           | Course Name                            | Cr        | Grade | Course ID                | Course Name                             | Cr        |
| EDUC3141            | Introduction to Curriculum Development | 3         |       | SPED3111                 | Introduction to Special Education       | 3         |
| EDUC3051            | Philosophy of Education                | 3         |       | ESCI4051                 | Science Methods                         | 3         |
| BIOL3302/BIOL3302L  | Lower Plants & Lab                     | 4         |       | ADVANCE BIOLOGY ELECTIVE |                                         |           |
| BIOL3151/BIOL3151L  | Natural History of Invertebrates & Lab | 4         |       | BIOL4352 & BIOL4352L     | Ecology & Evolution & lab <b>OR</b>     | 4         |
| EDUC3552            | Adolescent Psychology                  | 3         |       | BIOL4451 & BIOL4451L     | Entomology & Lab <b>OR</b>              | 4         |
|                     | <b>Total</b>                           | <b>17</b> |       | BIOL4601                 | Animal Behavior <b>OR</b>               | 4         |
| Year 1 - Semester 2 |                                        |           |       | BIOL4501 & BIOL4501L     | Plant Biotechnology & Lab               | 4         |
| Course ID           | Course Name                            | Cr        | Grade | EDUC3905                 | Field Experience                        | 3         |
|                     |                                        |           |       | EDUC4256                 | Measurement and Evaluation              | 3         |
| BIOL3402/BIOL3402L  | General Microbiology & Lab             | 4         |       |                          | <b>Total</b>                            | <b>16</b> |
| BIOL3362/BIOL3362L  | Biochemistry & Molecular Biology & Lab | 4         |       | Year 2 - Semester 2      |                                         |           |
| BIOL4151/BIOL4151L  | Higher Plants & Lab                    | 4         |       | Course ID                | Course Name                             | Cr        |
| EDUC3302            | Instructional Techniques               | 3         |       | EDUC3252                 | Introduction to Guidance and Counseling | 3         |
|                     | <b>Total</b>                           | <b>15</b> |       | EDUC3101                 | Social Context of Schooling             | 3         |
| Year 1 - Summer     |                                        |           |       | EDUC3454                 | Instructional Technology                | 3         |
| Course ID           | Course Name                            | Cr        | Grade | EDUC4201                 | Research in Education                   | 3         |
| EDUC3453            | Classroom Assessment                   | 3         |       | EDUC4855                 | Pre-Directed Teaching Seminar           | 3         |
| EDUC3403            | Psychology of Learning                 | 3         |       | EDUC4301                 | Content Area Reading                    | 3         |
| EDUC4153            | Professionalism in Education           | 3         |       |                          | <b>Total</b>                            | <b>18</b> |
|                     | <b>Total</b>                           | <b>9</b>  |       | Year 3 – Semester 1      |                                         |           |
|                     |                                        |           |       | Course ID                | Course Name                             | Cr        |
|                     |                                        |           |       | EDUC4995                 | Internship                              | 9         |

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Spanish exit level for Bachelor students is Level 3 Spanish. If a student is placed in SPAN1015 (level 1), he or she must take SPAN1015, SPAN1025 & SPAN2015 to meet requirements. Students are required to take the placement test. All students must enroll in Pre-Directed Teaching Seminar (EDUC4855) one semester before pursuing internship.

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| PREREQUISITES (67 CREDITS – from any feeder institution) | COURSE NAME                          | CREDIT S | Pre-requisites         | Co-requisites |
|----------------------------------------------------------|--------------------------------------|----------|------------------------|---------------|
| <b>HUMANITIES (9)</b>                                    |                                      |          |                        |               |
| HIST1014                                                 | Introduction to Belizean History     | 3        | ENGL1014               | None          |
| RSCH2014                                                 | Research Methods                     | 3        | None                   | None          |
| CRTH1014                                                 | Critical Thinking                    | 3        | None                   | None          |
| <b>MATH S (6 CREDITS)</b>                                |                                      |          |                        |               |
| MATH1014                                                 | Intermediate Algebra                 | 3        | None                   | None          |
| CMPS1004                                                 | Introduction to Computer Science     | 3        | None                   | None          |
| <b>SOCIAL SCIENCES (12 CREDITS)</b>                      |                                      |          |                        |               |
| PSYC1014                                                 | Introduction to Psychology           | 3        | None                   | None          |
| SOCL 1014                                                | Introduction to Sociology            | 3        | None                   | None          |
| PHIL1014                                                 | Ethic                                | 3        | None                   | None          |
| MGM1014 OR                                               | Fundamentals of Management <b>or</b> | 3        | None                   | None          |
| ECON1014                                                 | Intro to Economics                   | 3        | None                   | None          |
| <b>SPECIAL COMPETENCIES (9)</b>                          |                                      |          |                        |               |
| ENGL1012                                                 | College English 1                    | 3        | Placement or ATLIB     | None          |
| ENGL1025                                                 | College English 2                    | 3        | ENGL1014               | None          |
| SPAN2015                                                 | Intermediate Spanish                 | 3        | Spanish Placement test | None          |
| <b>PROFESSIONAL CORES (31 CREDITS)</b>                   |                                      |          |                        |               |

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|                                        |                                                                        |                |                                     |                      |
|----------------------------------------|------------------------------------------------------------------------|----------------|-------------------------------------|----------------------|
| BIOL1151/BIO1151L                      | Cytology & Lab                                                         | 4              | HS Biology – HS Chemistry & CHEM    | None                 |
| BIO2351/BIOL2401L                      | Genetics & Evolution & Plant Physiology and Genetics and Evolution Lab | 4              | BIOL1151                            | None                 |
| BIOL2402/BIOL2552L                     | Ecology & Animal Physiology and Ecology Lab                            | 4              | BIOL1302 Biodiversity               | None                 |
| BIOL1332/BIOL1332L                     | Reproductive Growth & Development & Lab                                | 4              | BIOL1151 & BIOL1151L                | None                 |
| CHEM1015/CHEM1015L                     | General Chemistry & Lab                                                | 4              | HS Chemistry or CHEM0016            | None                 |
| CHEM1025/CHE,1025L                     | General Chemistry 2 & Lab                                              | 4              | CHEM1015                            | None                 |
| CHEM1032/CHEM1032L                     | Intro to Organic & Biochemistry & Lab                                  | 4              | CHEM1015 & CHEM1015L                | None                 |
| EDUC2224                               | Teaching Methods                                                       | 3              | None                                | None                 |
| <b>PROFESSIONAL CORES (96 CREDITS)</b> | <b>COURSE NAME</b>                                                     | <b>CREDITS</b> | <b>Pre-requisites</b>               | <b>Co-requisites</b> |
| EDUC3905                               | Field Experience                                                       | 3              | EDUC2224                            | None                 |
| EDUC3051                               | Philosophy of Education                                                | 3              | ENGL1025                            | None                 |
| EDUC3101                               | Social Context of Schooling                                            | 3              | SOCL1014                            | None                 |
| SPED3111                               | Introduction to Special Education                                      | 3              | PSYC1014                            | None                 |
| EDUC3403                               | Psychology of Learning                                                 | 3              | PSYC1014 & EDUC2224                 | None                 |
| EDUC3453                               | Classroom Assessment                                                   | 3              | EDUC2224                            | None                 |
| EDUC3141                               | Introduction to Curriculum Development                                 | 3              | EDUC2224                            | None                 |
| EDUC3252                               | Intro to Guidance and Counseling                                       | 3              | PYSC1014                            | None                 |
| EDUC3302                               | Instructional Techniques                                               | 3              | EDUC224 & EDUC1401                  | None                 |
| EDUC3454                               | Instructional Technology                                               | 3              | EDUC2224, CMPS1011                  | None                 |
| EDUC3552                               | Adolescent Psychology                                                  | 3              | PYSC1014                            | None                 |
| EDUC4153                               | Professionalism in Education                                           | 3              | EDUC3101 & EDUC2222                 | None                 |
| EDUC4201                               | Research in Education                                                  | 3              | RSCH2014                            | None                 |
| EDUC4256                               | Measurement and Evaluation                                             | 3              | EDUC3453                            | None                 |
| EDUC4301                               | Content Area Reading                                                   | 3              | ENGL1025                            | None                 |
| EDUC4855                               | Pre-Directed Teaching Seminar                                          | 3              | EDUC3302 & EDUC3141                 | None                 |
| EDUC4995                               | Internship                                                             | 9              | All Methods Courses                 | None                 |
| BIOL3302/BIOL3302L                     | Lower Plants & Lab                                                     | 4              | None                                | None                 |
| BIOL3151/ BIO3151L                     | Natural History of Invertebrates & Lab                                 | 4              | BIOL1151&BIOL2402                   | None                 |
| BIOL3362/BIOL3362L                     | Biochemistry & Molecular Biology & Lab                                 | 4              | CHEM1032&BIOL2351 and CHEM1032L&BIO | None                 |
| BIOL3402/BIOL3402L                     | General Microbiology & General Microbiology Lab                        | 4              |                                     |                      |
| BIOL4151/BIOL4151L                     | Higher Plant & Lab                                                     | 4              | BIOL3302 & BIOL3302L                | None                 |
| ESCI4051                               | Science Methods                                                        | 3              |                                     | None                 |
| BIOL4352& BIOL4352L                    | Ecology & Evolution & Lab or                                           | 4              | BIOL1151&BIOL2402                   | None                 |
| BIOL4451 & BIOL 4451L                  | Entomology & Lab OR                                                    | 4              | BIOL3151                            | None                 |
| BIOL4601                               | Animal Behavior or                                                     | 4              | None                                | None                 |
| BIOL4501 & BIOL4501L                   | Plants Biotechnology & Lab                                             | 4              | BIOL3402 & BIOL3402L                | None                 |
| <b>TOTAL CREDITS: 154</b>              |                                                                        |                |                                     |                      |