| Name: |  |
|-------|--|
|       |  |

# BIOLOGY (Pre-Med/Pre-Dental), B.S.

40 courses of three or more credits and 3 one-credit PE courses

| GENERAL EDUCATION CORE                              | MAJOR   |  |
|---|---|--|
| BASIC REQUIREMENTS (2 courses and 3 one-            | (16 required courses)                         |  |
| credit PE courses)                                  | •   |  |
| Composition and Rhetoric                            | ☐ BI 151: Introductory Biology I              |  |
| ☐ EN 103 Composition and Rhetoric I                 | ☐ BI 152: Introductory Biology II             |  |
| ☐ EN 104 Composition and Rhetoric II                | ☐ BI 255: Molecular Biology                   |  |
| Physical Education Courses                          | ☐ BI 330: Genetics                            |  |
| □ PE 100  | ☐ BI 455: Research Seminar                    |  |
| □ PE  | ☐ CH 101: General Chemistry I                 |  |
| □ PE<br>□ PE  | ☐ CH 102: General Chemistry II                |  |
|   | ☐ CH 231: Organic Chemistry I                 |  |
| MODES OF THINKING (2 courses)                       | ☐ CH 232: Organic Chemistry II                |  |
| Literature (Select one)                             | ☐ MA 121: Calculus I                          |  |
| □ EN 110, EN 112, EN 115                            | ☐ MA 122: Calculus II                         |  |
| Mathematics (Satisfied by Major – MA 121)           | ☐ PH 201: Gen. Phys. I: Mechanics and Heat    |  |
| Natural Science (Satisfied by Major)                | ☐ PH 202: Gen. Phys. II: Wave Phenomena and   |  |
| Philosophy  | Electromagnetism                              |  |
| □ PL 109  | <u> </u>                                      |  |
| Social Sciences (Satisfied by Major - PS 109)       | Three Biology Electives:                      |  |
| · · · · · · · · · · · · · · · · · · ·               | Molecular and Cell Biology:                   |  |
|   | ☐ BI 435: Biochemistry I (Controlled Elective |  |
| CULTURAL LITERACY (6 courses)                       | Organismal Biology:                           |  |
| Humanities I and II. Preferably select a set (e.g., | ☐ BI 355: Human Structure and Function I      |  |
| HI 201/202). However, a combination (e.g., PO       | (Controlled Elective)                         |  |
| 201 + HI 214) is acceptable.                        | <b>Ecology and Evolutionary Biology:</b>      |  |
| ☐ Hum. I: HI 201, PO 201, HI 213                    | ☐ BI Elective: (241, 280, 374, 380)           |  |
| ☐ Hum. II: HI 202, PO 202, HI 214, HI 262           |   |  |
| Humanities III: Great Works of Art & Music          | Track: Pre-Med                                |  |
| (See Master Schedule of Day Classes)                | ☐ BI 256: Cell Biology                        |  |
|   | ☐ BI 356: Human Structure and Function II     |  |
| Humanities IV: Great Works of Literature            | ☐ BI 436: Biochemistry II                     |  |
| (See Master Schedule of Day Classes)                | ☐ PS 109: Introduction to Psychology          |  |
| □ <u></u>   | ☐ SO109: Introduction to Sociology            |  |
| Foreign Language/World Cultures                     | 2,  |  |
| (Select either two of the same language, any        | MINOR (6 courses)                             |  |
| two WC, or one WC and one approved                  | WITTOK (0 courses)                            |  |
| course with international study)                    | o   |  |
| □ <u> </u>  |   |  |
| □   |   |  |
|   | U U   |  |
| CHRISTIAN VALUES AND THEOLOGY                       | FIECTIVES                                     |  |
| (3 courses)   | ELECTIVES                                     |  |
| Catholic Theology                                   | (As needed to complete 40-course req.)        |  |
| □ TH 109  |   |  |
| Intermediate Theology (200/300 level TH)            |   |  |
| □ TH  | <u> </u>                                      |  |
| Values Seminar                                      |   |  |
| (See Master Schedule of Day Classes)                |   |  |
|   | A Voofen Dineston Acadamia Danama Carta       |  |
|   | A Koefer, Director, Academic Resource Center  |  |
|   | Effective fall, 2019                          |  |

For the most up-to-date record of progress toward completion of degree requirements, students should use the Academic Evaluation tool, which is listed under the Academic Planning heading in WebAdvisor.

# DE SALES UNIVERSITY Typical Program: BIOLOGY (Pre-Med/Pre-Dental), B. S.

To prepare students for medical or dental school.

# FALL SEMESTER

## SPRING SEMESTER

Genetics (BI 330)

#### FIRST YEAR

Introductory Biology I (BI 151) General Chemistry I (CH 101) Composition and Rhetoric I (EN 103) Calculus I (MA 121) Foreign Language/World Cultures

Introductory Biology II (BI 152) General Chemistry II (CH 102) Composition and Rhetoric II (EN 104) Calculus II (MA 122)

Foreign Language/World Cultures Lifetime Fitness and Wellness (PE 100)

### SECOND YEAR

Molecular Biology (BI 255)

Organic Chemistry I (CH 231) Organic Chemistry II (CH 232)

Humanities I Humanities II Philosophy MOT (PL 109) Literature MOT ... or ...

Introduction to Psychology (PS 109) Introduction to Sociology (SO 109) ... or ... Physical Education (Activity) Physical Education (Activity)

# THIRD YEAR

Biochemistry (BI 435) Biochemistry II (BI 436) General Physics II (PH 202) General Physics I (PH 201) Free Elective Cell Biology (BI 256) **Humanities III Humanities IV** ... or ... Catholic Theology (TH 109)

Intermediate Theology (200-300)

## FOURTH YEAR

Human Structure and Function I (BI 355) Human Structure and Function II (BI 356) Biology Elective (Ecology or Evolutionary Bio) ...or... Values Seminar

Free Elective Research Seminar (BI 455) ...or...

Free Elective Free Elective Free Elective Free Elective

MOT = Modes of Thought

NOTE: Students pursuing Secondary Education Teacher Certification should follow the STEP Biology Graduation Requirement Forms.

A. Koefer, Director, Academic Resource Center Effective fall, 2019