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

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

GENERAL EDUCATION CORE
BASIC REQUIREMENTS ( 2 courses and 3 onecredit PE courses)

Composition and Rhetoric
$\square$ EN 103 Composition and Rhetoric I
$\square$ EN 104 Composition and Rhetoric II
Physical Education Courses

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\squarePE 100
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$\square \mathrm{PE}$ $\qquad$PE $\qquad$
MODES OF THINKING (2 courses)
Literature (Select one)
$\square$ EN 110, EN 112, EN 115
Mathematics (Satisfied by Major - MA 121)
Natural Science (Satisfied by Major)
Philosophy
$\square$ PL 109
Social Sciences (Satisfied by Major - PS 109)

CULTURAL LITERACY (6 courses)
Humanities I and II. Preferably select a set (e.g., HI 201/202). However, a combination (e.g., PO
$201+\mathrm{HI} 214)$ is acceptable.
$\square$ Hum. I: HI 201, PO 201, HI 213
$\square$ Hum. II: HI 202, PO 202, HI 214, HI 262
Humanities III: Great Works of Art \& Music
(See Master Schedule of Day Classes)
Humanities IV: Great Works of Literature (See Master Schedule of Day Classes) $\square$ $\qquad$
Foreign Language/World Cultures
(Select either two of the same language, any
two WC, or one WC and one approved course with international study)
$\qquad$
CHRISTIAN VALUES AND THEOLOGY
(3 courses)
Catholic Theology
$\square$ TH 109
Intermediate Theology (200/300 level TH)
$\square$ TH $\qquad$
Values Seminar
(See Master Schedule of Day Classes)
$\qquad$

## MAJOR

(16 required courses)
$\square$ BI 151: Introductory Biology I
$\square$ BI 152: Introductory Biology II
$\square$ BI 255: Molecular Biology
$\square$ BI 330: Genetics
BI 455: Research Seminar
CH 101: General Chemistry I
CH 102: General Chemistry II
CH 231: Organic Chemistry I
CH 232: Organic Chemistry II
MA 121: Calculus I
MA 122: Calculus II
PH 201: Gen. Phys. I: Mechanics and Heat
PH 202: Gen. Phys. II: Wave Phenomena and Electromagnetism

## Three Biology Electives:

Molecular and Cell Biology:
$\square$ BI 435: Biochemistry I (Controlled Elective) Organismal Biology:
$\square$ BI 355: Human Structure and Function I (Controlled Elective)
Ecology and Evolutionary Biology:
$\square$ BI Elective: (241, 280, 374, 380)

## Track: Pre-Med

$\square$ BI 256: Cell Biology
$\square$ BI 356: Human Structure and Function II
$\square$ BI 436: Biochemistry II
$\square$ PS 109: Introduction to Psychology
$\square$ SO109: Introduction to Sociology
MINOR (6 courses)


## ELECTIVES

(As needed to complete 40-course req.)


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

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

To prepare students for medical or dental school.

## FALL SEMESTER

## 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

## SPRING SEMESTER

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)
Humanities I
Philosophy MOT (PL 109) ... or ...
Introduction to Psychology (PS 109)
Physical Education (Activity)
... or ...

Genetics (BI 330)
Organic Chemistry II (CH 232)
Humanities II
Literature MOT
Introduction to Sociology (SO 109)
Physical Education (Activity)

## THIRD YEAR

Biochemistry (BI 435)
General Physics I (PH 201)
Free Elective
Humanities III
... or ...
Catholic Theology (TH 109)
Biochemistry II (BI 436)
General Physics II (PH 202)
Cell Biology (BI 256)
Humanities IV
Intermediate Theology (200-300)

## FOURTH YEAR

Human Structure and Function I (BI 355)
Biology Elective (Ecology or Evolutionary Bio) ...or...
Free Elective ...or...
Free Elective
Free Elective

Human Structure and Function II (BI 356)
Values Seminar
Research Seminar (BI 455)
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

