

Name: _____

BASED ON CREDITS

NEUROSCIENCE, B.S.

Minimum of 126 credits and Three 1-credit PE courses

GENERAL EDUCATION CORE

BASIC REQUIREMENTS

(6 credits and three 1-credit PE courses)

- EN 103 Composition and Rhetoric I
- EN 104 Composition and Rhetoric II
- Physical Education Courses
 - PE 100
 - PE _____
 - PE _____

MODES OF THINKING (6 credits)

- Literature (Select one)
 - EN 110, EN 112, EN 115
- Mathematics (**Satisfied by Major – MA 111 or 121**)
- Natural Science (**Satisfied by Major – BI 151**)
- Philosophy
 - PL 109
- Social Sciences (**Satisfied by Major – PS 109**)

CULTURAL LITERACY (18 credits)

- Humanities I and II. *Preferably* select a set (e.g., HI 201/202). However, a combination (e.g., PO 201 + HI 214) is acceptable.
 - Hum. I: HI 201, PO 201, HI 213
 - Hum. II: HI 202, PO 202, HI 214, HI 262
- Humanities III: Great Works of Art & Music
 - _____
- Humanities IV: Great Works of Literature
 - _____
- Foreign Language/World Cultures
(Select either two of the same language, any two WC, or one WC and one approved course with international study)
 - _____
 - _____

CHRISTIAN VALUES AND THEOLOGY

(9 credits)

- Catholic Theology
 - TH 109
- Intermediate Theology (200/300 level TH)
 - TH _____
- Values Seminar
 - _____

MAJOR (Minimum of 60 credits)

- BI 151: Introductory Biology I
- BI 152: Introductory Biology II
- NEU 267: Behavioral Neuroscience
- NEU 221: Biostatistics
- NEU 311: Research Methods in Neuroscience
- CH 101: General Chemistry I
- CH 102: General Chemistry II
- CH 231: Organic Chemistry I
- CH 232: Organic Chemistry II
- PS 109: Introduction to Psychology
- MA 110: Finite Math **OR** MA 121: Calculus I
- PH 203: Introductory Physics I **OR**
 - PH 201: Gen. Phys. I: Mechanics and Heat
- PH 204: Introductory Physics II **OR**
 - PH 202: Gen. Phys. II: Wave Phenomena and Electromagnetism

Three major electives from the following list

(at least one must have a 'NEU' course code)

- Psychology (PS):** 230, 320, 381
- Biology (BI):** 255, 256, 330, 361, 374, 375
- Neuroscience (NEU):** 451, 491
 - NEU _____
 - PS/BI/NEU _____
 - PS/BI/NEU _____

FREE ELECTIVES (Minimum of 27 credits)

OPTIONAL MINOR

- _____
- _____
- _____
- _____

DE SALES UNIVERSITY
Example Plan: NEUROSCIENCE, B.S.

FIRST YEAR

FALL SEMESTER (15 credits and 1-PE credit)

Introductory Biology I (BI 151)
General Chemistry I (CH 101)
Composition and Rhetoric I (EN 103)
Finite Math **OR** Calculus (MA 110/121)
Lifetime Fitness and Wellness (PE 100)

SPRING SEMESTER (15 credits and 1-PE credit)

Introductory Biology II (BI 152)
General Chemistry II (CH 102)
Composition and Rhetoric II (EN 104)
Intro to Psychology (PS 109)
Physical Education (Activity)

SECOND YEAR

FALL SEMESTER (16 credits and 1-PE credit)

Behavioral Neuroscience (NEU 267)
Organic Chemistry I (CH 231)
Foreign Language/World Cultures I
Philosophy MOT (PL 109)
Free Elective
Physical Education (Activity)

SPRING SEMESTER (16 credits)

Biostatistics (NEU 221)
Organic Chemistry II (CH 232)
Foreign Language/World Cultures II
Catholic Theology (TH 109)
Free Elective

THIRD YEAR

FALL SEMESTER (17 credits)

Research Methods in Neuro (NEU 311)
Introductory Physics I (PH 203) **OR**
 Gen. Physics I (PH 201)
Humanities I
Intermediate Theology (200-300) **... or ...**
Free Elective

SPRING SEMESTER (17 credits)

Neuroscience Elective
Introductory Physics II (PH 204) **OR**
 Gen. Physics II (PH 202)
Humanities II
Free Elective
Free Elective

FOURTH YEAR

FALL SEMESTER (15 or 16 credits) *

PS/BI/NEU Elective
Humanities III
Values Seminar
Free Elective
Free Elective

SPRING SEMESTER (15 credits)

PS/BI/NEU Elective
Humanities IV
Literature MOT
Free Elective
Free Elective

** The total semester credits will be influenced by the biology elective. A biology elective with a lab will be assigned 4 credits resulting in a semester totaling 16 credits.*

A. Koefler, Director, Academic Success Center
Effective Fall, 2022