Name: _____ **BASED ON CREDITS**

COMPUTER SCIENCE (General Track), B.S.

122 credits and Three 1-credit PE courses

GENERAL EDUCATION CORE

BASIC REQUIREMENTS
(6 credits and three 1-credit PE Courses)

Composition and Rhetoric
- ☐ EN 103 Composition and Rhetoric I
- ☐ EN 104 Composition and Rhetoric II

Physical Education Courses
- ☐ PE 100
- ☐ PE ____
- ☐ PE ____

MODES OF THINKING (12 credits)

Literature (Select one)
- ☐ EN 110, EN 112, EN 115

Mathematics **(Satisfied by Major – MA 121)**

Natural Science (Select one)
- ☐ BI 209, BI 210, BI 211, BI 242, CH 209, PH 209

Philosophy
- ☐ PL 109

Social Sciences (Select one)
- ☐ CJ 109, CM 130, EC 209, EC 112, HCM 230, PO 103, PO 109, PS 109, SO 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 (50 credits)

- ☐ CS 115: Introduction to Python – 4 credits
- ☐ CS 211: Object-Oriented Programming – 4 credits
- ☐ CS 222: Data Structures
- ☐ CS 230: Computer Architecture & Hardware Support
- ☐ CS 260: Databases and Data Visualization
- ☐ CS 314: Operating Systems
- ☐ CS 321: Communication and Networking
- ☐ CS 356: Software Engineering
- ☐ CS 360: Database Analysis and Design
- ☐ CS 416: Security
- ☐ CS 453: Senior Coordinating Seminar
- ☐ MA 121: Calculus I
- ☐ MA 122: Calculus II
- ☐ MA 231: Discrete Mathematics
- ☐ MA 331: Linear Algebra

Choose one MA and/or CS course at the 200, 300, or 400 level (except MA 260 and CS 475):
- ☐ _____

FREE ELECTIVES (27 credits)

- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____

OPTIONAL MINOR

- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____
- ☐ ___ ____

DE SALES UNIVERSITY
Example Plan: COMPUTER SCIENCE (General Track), B. S.

FIRST YEAR

FALL SEMESTER (16 credits and 1-credit PE)
Introduction to Python (CS 115) – 4 credits
Calculus I (MA 121)
Composition and Rhetoric I (EN 103)
Philosophy MOT (PL 109)
Foreign Language/World Cultures
Lifetime Fitness and Wellness (PE 100)

SPRING SEMESTER (16 credits and 1-credit PE)
Object-Oriented Programming (CS 211) – 4 credits
Calculus II (MA 122)
Composition and Rhetoric II (EN 104)
Social Science MOT
Foreign Language/World Cultures
Physical Education (Activity)

SECOND YEAR

FALL SEMESTER (15 credits and 1-credit PE)
Data Structures (CS 222)
Computer Architecture & Hardware (CS 230)
Humanities I
Free Elective
Catholic Theology (TH 109)
Physical Education (Activity)

SPRING SEMESTER (15 credits)
Databases and Data Visualization (CS 260)
Operating Systems (CS 314)
Humanities II
Literature MOT
Free Elective

THIRD YEAR

FALL SEMESTER (15 credits)
Communication and Networking (CS 321)
Security (CS 416)
Linear Algebra (MA 331)
Humanities III
Intermediate Theology

SPRING SEMESTER (15 credits)
Software Engineering (CS 356)
Discrete Mathematics (MA 231)
Natural Science MOT
Humanities IV
Free Elective

FOURTH YEAR

FALL SEMESTER (15 credits)
Values Seminar
Database Analysis and Design (CS 360)
CS Elective*
Free Elective
Free Elective

SPRING SEMESTER (15 credits)
Senior Coordinating Seminar (CS 453)
Free Elective
Free Elective
Free Elective
Free Elective

* Choose One MA and/or CS course at the 200, 300, or 400 level (except MA 260 and CS 475):

A. Koefer, Director of the Academic Success Center
Effective fall, 2022