

Name: _____

COMPUTER SCIENCE (Cyber Security) B.S.

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

GENERAL EDUCATION CORE

BASIC REQUIREMENTS (2 courses and 3 one-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 (4 courses)

- Literature (Select one)
 EN 110, EN 112, EN 115
- Mathematics (**Satisfied by Major – 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, EC 209, EC 112, PO 103, PO 109, PS 109, or SO 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 + 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 (See Master Schedule of Day Classes)

- Humanities IV: Great Works of Literature (See Master Schedule of Day Classes)

- 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

- (3 courses)
- Catholic Theology
 TH 109
- Intermediate Theology (200/300 level TH)
 TH ____
- Values Seminar
(See Master Schedule of Day Classes)

MAJOR

(16 courses)

- CS 115: Intro to Python
- CS 211: Object-Oriented Programming
- CS 216: Cyber Security
- CS 222: Data Structures
- CS 230: Computer Architecture and Hardware
- CS 260: Database & Database Visualization
- CS 314: Operating Systems
- CS 321: Communications and Networking
- CS 360: Database Analysis and Design
- CS 416: Security
- CS 453: Senior Coordinating Seminar
- MA 121: Calculus I
- MA 122: Calculus II
- MA 387: Cryptology
- CJ 270: Digital Forensics I

Any CS course at the 200 level or above (except for CS 475), CJ 320, CJ 330, IT 515 or IT 545.

The IT elective courses are graduate level and need special permission:

MINOR

(6 courses)

- | | |
|-------------------------------|-------------------------------|
| <input type="checkbox"/> ____ | <input type="checkbox"/> ____ |
| <input type="checkbox"/> ____ | <input type="checkbox"/> ____ |
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ELECTIVES

(As needed to complete 40-course req.)

- | | |
|-------------------------------|-------------------------------|
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Ann Koefer, Dir. of the Acad. Resource Center
Effective fall, 2020

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: COMPUTER SCIENCE (Cyber Security) B. S.

FALL SEMESTER

SPRING SEMESTER

FIRST YEAR

Intro to Python (CS 115)
Calculus I (MA 121)
Composition and Rhetoric I (EN 103)
Philosophy MOT (PL 109)
Foreign Language/World Cultures
Lifetime Fitness and Wellness (PE 100)

Object-Oriented Programming (CS 211)
Cyber Security (CS 216)
Calculus II (MA 122)
Composition and Rhetoric II (EN 104)
Foreign Language/World Cultures
Physical Education (Activity)

SECOND YEAR

Computer Architecture and Hardware (CS 230)
Digital Forensics I (CJ 270)
Data Structures (CS 222)
Humanities 1
Catholic Theology (TH 109)
Physical Education (Activity)

Database & Data Visualization (CS 260)
Operating Systems (CS 314)
Literature MOT
Humanities 2
Social Science MOT

THIRD YEAR

Communications and Networking (CS 321)
Security (CS 416)
Humanities 3
Intermediate Theology
Free Elective

Cryptology (MA 387)
Natural Science MOT
Humanities 4
Free Elective
Free Elective

FOURTH YEAR

Database Analysis & Design (CS 360)
CS Elective
Values Seminar
Free Elective
Free Elective

Senior Coordinating Seminar (CS 453)
Free Elective
Free Elective
Free Elective
Free Elective

A. Koefel, Director of the Academic Resource Center
Effective fall, 2020