

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 121: Intro to Computer Programming
 CS 122: Object-Oriented Programming
 CS 211: Application Development
 CS 216: Cyber Security
 CS 230: Computer Architecture and Hardware
 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

Two Electives chosen from the following:

CS course(s) at 300 level or above (except CS 475),
CJ 330, IT 515, IT 545

- _____

MINOR

(6 courses)

- ____ ____ ____ ____
 ____ ____ ____ ____
 ____ ____ ____ ____

ELECTIVES

(As needed to complete 40-course req.)

- ____ ____ ____ ____
 ____ ____ ____ ____
 ____ ____ ____ ____
 ____ ____ ____ ____

Ann Koefer, Dir. of the Acad. Resource Center
Effective fall, 2018

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 Computer Programming (CS 121)
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 122)
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)
Humanities 1
Literature MOT
Catholic Theology (TH 109)
Physical Education (Activity)

Application Development (CS 211)
Operating Systems (CS 314)
Humanities 2
Social Science MOT
Free Elective

THIRD YEAR

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

Database Analysis and Design (CS 360)
Cryptology (MA 387)
Humanities 4
Natural Science MOT
Free Elective

FOURTH YEAR

Network Security (CS 416)
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, 2018