

Lower Division Core (26)

- _____ CMPS 150 – Introduction to Unix (1) (or CMPS 215 – Unix Programming Environment)
- _____ CMPS 211 – Internet Programming and Web Design
- _____ CMPS 221 – Programming Fundamentals (grade of C- or better)
- _____ CMPS 222 – Object-Oriented Programming (grade of C- or better)
- _____ CMPS 223 – Data Structures and Algorithms (grade of C- or better)
- _____ CMPS 295 – Discrete Structures

Upper Division Core (51)

- _____ CMPS 312 – Algorithm Analysis and Design
- _____ CMPS 335 – Software Engineering
- _____ CMPS 342 – Database Systems
- _____ CMPS 350 – Programming Languages
- _____ CMPS 356 – Artificial Intelligence
- _____ CMPS 360 – Operating Systems
- _____ CMPS 371 – Computer Graphics
- _____ CMPS 376 – Computer Networks
- _____ CMPS 394 – Client, Server, Internet, and Hand-held Device Programming
- _____ CMPS 490A – Senior Project I (3)
- _____ CMPS 490B – Senior Project II (3)

Advanced Elective Course (choose from CMPS 435, 442, 450, 456, 460, 471, 476) (5)

General Electives (20)

Choose from CMPS 215, 216, 224, or any other 300-/400-level CMPS or ECE course.

A minor may be used to offset some elective units with consent of a department advisor.

Cognate Requirements (15)

- _____ MATH 140 – Elementary Statistics (or MATH 201 or higher)
- _____ MATH 192 – Pre-calculus II (or MATH 201 or higher)
- _____ PHIL 316 – Professional Ethics

Additional Units (any university units) (8-13)

General Education and University Requirements (50-57)

- _____ Foreign Language Requirement – 2 yrs. high school or 1 college course
- _____ CSUB 101 (2)
- _____ A1 – Recommend COMM 108 (grade of C or better)
- _____ A2 – ENGL 110 (grade of C or better)
- _____ A3 (grade of C or better)
- _____ B1/B3
- _____ B2/B3 – Waived for Computer Science majors
- _____ B4 – Satisfied by MATH 140, MATH 192, or MATH 201 or higher with grade of C or better
- _____ C1
- _____ C2, C4, or C5
- _____ C3 – US History double-counts for C3 for Computer Science majors
- _____ US History for American Institutions (AI) requirement
- _____ D3/Government for AI requirement – Recommend PLSI 101
- _____ Area D – 5 units waived for Computer Science majors
- _____ D1, D2, D4, or D5
- _____ Theme 1 – Met by completing CMPS 490A & B
- _____ Theme 2 – Satisfied by PHIL 316
- _____ Theme 3 – Waived for Computer Science majors
- _____ Gender, Race, and Ethnicity (GRE) (3-5)
- _____ GWAR – Pass exam or take course (COMM 304 – Technical Writing recommended for course)