

Computer Science (Information Security) 2013-15 Catalog Advising Checklist

Quarter Units: 180

Core Units: 122

Name: _____

ID #: _____

Lower Division Core (21)

- _____ CMPS 150 - Introduction to Unix (1) [see Q2S notes]
- _____ CMPS 221 - Programming Fundamentals (grade of C- or better) [see Q2S notes]
- _____ CMPS 222 - Object-Oriented Programming (grade of C- or better) [see Q2S notes]
- _____ CMPS 223 - Data Structures and Algorithms (grade of C- or better) [see Q2S notes]
- _____ CMPS 295 - Discrete Structures [CMPS 2120]

Upper Division Core (31)

- _____ CMPS 312 - Algorithm Analysis and Design [CMPS 3120]
- _____ CMPS 335 - Software Engineering [CMPS 3350]
- _____ CMPS 350 - Programming Languages [CMPS 3500]
- _____ CMPS 360 - Operating Systems [CMPS 3600]
- _____ CMPS 376 - Computer Networks [CMPS 3620]
- _____ CMPS 490A - Senior Project I (3) [CMPS 4910]
- _____ CMPS 490B - Senior Project II (3) [CMPS 4928]

Information Security Electives (15)

Choose from (CMPS 215 and 216), 340, 342, 445, 451, 476, CMPS/MATH 475, or approved substitute

- _____ CMPS
- _____ CMPS
- _____ CMPS

Cognate Requirements (30)

- _____ MATH 201 or 231 - Calculus I (grade of C- or better) [see Q2S notes]
- _____ MATH 202 or 232 - Calculus II (grade of C- or better) [see Q2S notes]
- _____ MATH 203 or 233 - Calculus III (grade of C- or better) [see Q2S notes]
- _____ MATH 230 or 330 - Linear Algebra [MATH 2610]
- _____ MATH 340 - Probability Theory [MATH 3200]
- _____ PHIL 316 - Professional Ethics [PHIL 3318]

Global Intelligence and National Security (GINS) Cognate Courses (30)

- _____ PLSI 304 - International Relations [PLSI 3040]
- _____ CRJU 440 - Terrorism [CRJU 4340]
- _____ GINS Intelligence Analytical Tools (GEOL 450, CRJU 494, or approved substitute)
- _____ GINS Focus Area course (see catalog for list)
- _____ GINS Focus Area course (see catalog for list)
- _____ GINS Focus Area course (see catalog for list)

Additional Units (any university units) (0-3)

General Education and University Requirements (50-57)

- _____ Foreign Language Requirement - 2 yrs. high school or 1 college course
- _____ CSUB 101 - Introduction to CSUB (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 or 192 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)
- _____ GVAR - Pass exam or get C- or better incurse (COMM 304 - Tech. Writing recommended for course)

Advising Notes:

Q2S Transition Notes:

Programming sequence:
CMPS 2010 is CMPS 150+221+Half 222
CMPS 2020 is Half CMPS 222+All 223

Calculus sequence for CMPS:
Completion of MATH 2510 & 2520 or
MATH 2310 & 2320 is sufficient for the
Computer Science MATH 201-203 or
MATH 231-233 requirement
(see advisor if you have partially
completed calculus under quarters for a
Q2S transition plan)

GE: Go to <https://www.csub.edu/ge>