## Computer Science (Information Security) 2016-18 Catalog Advising Checklist

### Semester Units: 120  Core Units: 87-88

### Name:

### ID #:

### Advising Notes:

#### Lower Division Core (16)
- CMPS 2010 - Progr. I: Programming Fundamentals (4) (grade of C- or better)
- CMPS 2020 - Progr. II: Data Structures and Algorithms (4) (grade of C- or better)
- CMPS 2120 - Discrete Structures (4)
- CMPS 2240 - Computer Architecture I: Assembly Language Programming (4)

#### Upper Division Core (32)
- CMPS 3120 - Algorithm Analysis (3)
- CMPS 3140 - Theory of Computation (3)
- CMPS 3350 - Software Engineering (4)
- CMPS 3420 - Database Systems (4)
- CMPS 3500 - Programming Languages (3)
- CMPS 3600 - Operating Systems (4)
- CMPS 3620 - Computer Networks (4)
- CMPS 3640 - Distributed and Parallel Computation (3)
- CMPS 4910 - Senior Project I (2)
- CMPS 4928 - Senior Project II (2)

#### Information Security Electives [select 3 courses] (12)
At least one course must be at 4000-level. See catalog for complete list.
- CMPS
- CMPS
- CMPS

#### General Cognate Requirements (15)
- MATH 2310 or 2510 - Calculus I (4) (grade of C- or better)
- MATH 2320 or 2520 - Calculus II (4) (grade of C- or better)
- MATH 3200 - Probability Theory (4)
- PHIL 3318 - Professional Ethics (3)

#### Global Intelligence and National Security (GINS) Cognate Requirements (12-13)
- GINS Analytical Tools course (3-4) (Select one from CRJU 3500, ECON/MIS 3200, GEOL 4050, MIS 4100, SOC 4018)
- GINS Focus Area course (3) (see catalog for complete list)
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#### Additional Units (any university units) (0-1)

#### General Education and University Requirements (32-38)
- First Year Seminar I - CSUB 1009 (1)
- First Year Seminar II - CSUB 1019 (1)
- A1 - COMM 1008 (3) (grade of C- or better)
- A2 - ENGL 1109 (3) (grade of C- or better)
- A3 - Critical Thinking (3) (grade of C- or better)
- A4 - Satisfied by MATH 2310 or 2510 (or higher) with grade of C- or better
- B1/B3 - Physical Sciences (3)
- B2/B3 - Waived for Computer Science majors
- C1 - Arts (3)
- C2 - Humanities (3)
- US History for American Institutions (AI) requirement (3)
- Government for AI requirement - Recommend PLSI 1018 (3)
- Area D (1st course) (3)
- Area D (2nd course) - 3 units waived for Computer Science majors
- SELF - Recommend course that double-counts for another GE requirement (0-3)
- Junior Year Diversity Reflection (JYDR) (3)
- UD Area B - Not required for NSME majors
- UD Area C - Satisfied by PHIL 3318
- UD Area D - Waived for Computer Science majors
- Capstone - Satisfied by CMPS 4928
- GWAR - Pass exam or get C- or better in course (0-3)