Computer Science(Information Security) 2016-18 Advising Checklist
Semester Units: 120   Core Units: 87-88

Lower Division Core (16)
- _____ CMPS 2010 – Programming I: Programming Fundamentals (4) (grade of C- or better)
- _____ CMPS 2020 – Programming 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 4918 – Senior Project II (2)

Information Security Electives (at least one course must be at 4000-level. See catalog for complete list) (12)
- _____
- _____
- _____

General Cognate Requirements (15)
- _____ MATH 2510 or 2310 – Calculus I (4) (grade of C- or better)
- _____ MATH 2520 or 2320 – 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) (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 – Recommend SCI 1409 (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 taking 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)