Computer Science(Information Security) 2013-15 Advising Checklist
Quarter Units: 180   Core Units: 122

Lower Division Core (21)
- _____ CMPS 150 – Introduction to Unix (1) (or CMPS 215 – Unix Programming Environment)
- _____ 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 (31)
- _____ CMPS 312 – Algorithm Analysis and Design
- _____ CMPS 335 – Software Engineering
- _____ CMPS 350 – Programming Languages
- _____ CMPS 360 – Operating Systems
- _____ CMPS 376 – Computer Networks
- _____ CMPS 490A – Senior Project I (3)
- _____ CMPS 490B – Senior Project II (3)

Information Security Electives (15)
  Choose from (CMPS 215 and 216), 340, 342, 445, 451, 476, CMPS/MATH 475, or approved substitute
- _____
- _____
- _____

Cognate Requirements (30)
- _____ MATH 201 or 231 – Calculus I (grade of C- or better)
- _____ MATH 202 or 232 – Calculus II (grade of C- or better)
- _____ MATH 203 or 233 – Calculus III (grade of C- or better)
- _____ MATH 230 or 330 – Linear Algebra
- _____ MATH 340 – Probability Theory
- _____ PHIL 316 – Professional Ethics

Global Intelligence and National Security (GINS) Cognate Courses (30)
- _____ PLSI 304 – International Relations
- _____ CRJU 440 – Terrorism
- _____ GINS Intelligence Analytical Tools course (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 (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 201 or MATH 231 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)