COMPUTER SCIENCE (IS TRACK) 2013-15 DEGREE REQUIREMENT CHECKLIST

QUARTER UNITS: 180  CORE UNITS: 118

Lower Division (21)

- CMPS 150 (1) and CMPS 221 Programming Fundamentals
- CMPS 222 Object-Oriented Programming
- CMPS 223 Data Structures and Algorithms
- CMPS 295 Discrete Structures

Upper Division required (32)

- 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) and CMPS 490B Senior Project II (4)

Upper Division Elective (select 3 advanced courses from the following – one must be 400-level) (15)

- (CMPS 215 and CMPS 216) or CMPS 340 or CMPS 342 or CMPS 445 or CMPS 451 or MATH/CMPS 475 or CMPS 476

Cognate Requirements (50)

- MATH 201/231 Calculus I (also satisfies B4)
- MATH 202/232 Calculus II
- MATH 203/233 Calculus III
- MATH 230/330 Linear Algebra
- MATH 340 Probability
- CRJU 440 Terrorism
- Global Intelligence and National Security Minor (20)

Lower Division General Education (47)

- CSUB 101 (2)
- A1 - COMM 108
- A2 - ENGL 110
- A3
- B1,B3
  - B2 - waived by NSME B-Comm (04-19-2013)
- C1, C2
  - C3 - doublecounted by US History - CARS (03-21-2013)
- US History Requirement
  - Area D - 5 units waived by CARS (03-21-2013)
- D2 ECON 201 or ECON 202
- D3 PLSI 101 (also satisfies State Government Requirement)

Upper Division General Education (15)

- Theme I - substituted by CMPS 490A&B - Senior Project I&II above
- Theme II - PHIL 316 (Ethics)
- Theme III - PLSI 304 (International Relations)
- Gender, Race, and Ethnicity (GRE)
  - COMM 304 Recommended or pass GWAR exam (0)