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)