Computer Science (Computer Information Systems) 2016-18 Catalog Advising Checklist	Name: _____
Semester Units: 120 **Core Units: 82-85**	ID #: _____

Lower Division Core (15)

_____ 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 2680 - Web Programming I (3)

Upper Division Core (39)

_____ CMPS 3120 - Algorithm Analysis (3)
_____ CMPS 3350 - Software Engineering (4)
_____ CMPS 3390 - Client, Server, Internet and Hand-held Device Programming (4)
_____ CMPS 3420 - Database Systems (4)
_____ CMPS 3500 - Programming Languages (3)
_____ CMPS 3560 - Artificial Intelligence (3)
_____ CMPS 3600 - Operating Systems (4)
_____ CMPS 3620 - Computer Networks (4)
_____ CMPS 3640 - Distributed and Parallel Computation (3)
_____ CMPS 3680 - Web Programming II (3)
_____ CMPS 4910 - Senior Project I (2)
_____ CMPS 4928 - Senior Project II (2)

Advanced Elective [choose from CMPS 4350, 4420, 4450, 4490, 4500, 4510, 4560, 4620] (4)

_____ CMPS

General Electives [select 3 courses] (12)
See catalog for list of courses. A discipline-based minor may be used in lieu of 12 elective units.
Thematic general education minors will not count.

_____ CMPS
_____ CMPS
_____ CMPS

Cognate Requirements (12-15)
MATH 2310/2510 (Calculus I) or higher may be used to substitute for a MATH cognate course. There must still be two mathematics courses taken when using the calculus course substitution option, e.g. MATH 2510 to substitute for MATH 1040 and MATH 2520 to substitute for MATH 1209/2200.

_____ MATH 1209 or 2200 - Statistics (3-4) (MATH 2200 strongly recommended)
_____ MATH 1040 or (both 1050 and 1060) - Pre-calculus I and II (4-6)
_____ PHIL 3318 - Professional Ethics (3)

Additional Units (any university units) (3-6)

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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 1209, 2200, 1050, 1060 (or Calc. I) (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)

Advising Notes: