Computer Science (Computer Information Systems) 2016-18 Advising Checklist
Semester Units: 120   Core Units: 82-85

Lower Division Core (15)
- _____ 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 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 4918 – Senior Project II (2)

Advanced Elective Course (choose from CMPS 4350, 4420, 4450, 4490, 4500, 4510, 4560, 4620) (4)
- _____

General Electives (12) (see catalog for list)
  A discipline-based minor may be used in lieu of 12 elective units. Thematic general education minors will not count.
- _____
- _____
- _____

Cognate Requirements (12-15)
- _____ MATH 1209 or 2200 – Statistics (3-4) (MATH 2200 strongly recommended) (or Calculus I or higher)
- _____ MATH 1040 or (both 1050 and 1060) – Pre-calculus I and II (4-6) (or Calculus I or higher)
- _____ PHIL 3318 – Professional Ethics (3)

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

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 1040 or 1060 or 1209 or 2200 (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)