

Computer Science (Traditional) 2016-18 Catalog Advising Checklist

Semester Units: 120

Core Units: 89-90

Name: _____

ID #: _____

Lower Division Core (16)

- _____ 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 2240 - Computer Architecture I: Assembly Language Programming (4)

Upper Division Core (39)

- _____ CMPS 3120 - Algorithm Analysis (3)
- _____ CMPS 3140 - Theory of Computation (3)
- _____ CMPS 3240 - Computer Architecture II: Organization (4)
- _____ CMPS 3350 - Software Engineering (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 4910 - Senior Project I (2)
- _____ CMPS 4928 - Senior Project II (2)

Upper Division Electives [select 2 courses] (8)

At least one course must be at 4000-level. See catalog for complete list.

- _____ CMPS
- _____ CMPS

Cognate Requirements (26-27)

- _____ MATH 2310 or 2510 - Calculus I (4) (grade of C- or better)
- _____ MATH 2320 or 2520 - Calculus II (4) (grade of C- or better)
- _____ MATH 3200 - Probability Theory (4)
- _____ PHYS 2210 - Classical Physics I (4) (grade of C- or better)
- _____ PHYS 2220 - Classical Physics II (4) (grade of C- or better)
- _____ Math/Science Elective Course (3-4) (see catalog for complete list)
- _____ PHIL 3318 - Professional Ethics (3)

Additional Units (any university units) (1-5)

- _____
- _____

General Education and University Requirements (26-35)

- _____ 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 - Recommend SCI 1409 (Math/Sci. elective course) (0-3) (grade of C- or better)
- _____ A4 - Satisfied by MATH 2310 or 2510 (or higher) with grade of C- or better
- _____ B1/B3 - Satisfied by PHYS 2210
- _____ 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
- _____ GVAR - Pass exam or get C- or better in course (0-3)

Advising Notes: