

<b>COMPUTER SCIENCE (CIS TRACK) 2013-15 DEGREE REQUIREMENT CHECKLIST</b> <b>QUARTER UNITS: 180    CORE UNITS: 113</b>
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Lower Division (26)

- \_\_\_\_\_ CMPS 211 Internet Programming and Web Design
- \_\_\_\_\_ 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 (52)

- \_\_\_\_\_ CMPS 312 Algorithm Analysis and Design
- \_\_\_\_\_ CMPS 335 Software Engineering
- \_\_\_\_\_ CMPS 342 Database Systems
- \_\_\_\_\_ CMPS 350 Programming Languages
- \_\_\_\_\_ CMPS 356 Artificial Intelligence
- \_\_\_\_\_ CMPS 360 Operating Systems
- \_\_\_\_\_ CMPS 371 Computer Graphics
- \_\_\_\_\_ CMPS 376 Computer Networks
- \_\_\_\_\_ CMPS 394 Java: Client, Server, and Internet Programming
- \_\_\_\_\_ CMPS 490A Senior Project I (3) and CMPS 490B Senior Project II (4)

Advanced Elective (select 1 course from: CMPS 435, 442, 450, 456, 460, 471, or 476) (5)

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Other Electives (select 20 units of approved courses) (20)

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Additional Units (select 10 units of general university courses) (10)

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Cognate Requirements (10)

- \_\_\_\_\_ MATH 140 Elementary Statistics (satisfies B4), or a higher-level (e.g. MATH 20x) math course
- \_\_\_\_\_ MATH 192 Pre-Calculus II, or a higher-level (e.g. MATH 20x) math course

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 (10)

- \_\_\_\_\_ Theme I - substituted by CMPS 490A&B - Senior Project I&II above
- \_\_\_\_\_ Theme II - PHIL 316 (Ethics)
- \_\_\_\_\_ Theme III - waived by CARS (03-21-2013)
- \_\_\_\_\_ Gender, Race, and Ethnicity (GRE)
- \_\_\_\_\_ COMM 304 Recommended **or** pass GVAR exam (0)