

COMPUTER SCIENCE (CS TRACK) 2011/13 DEGREE REQUIREMENT CHECKLIST

Lower Division (26-30)

- _____ CMPS 150 (1) (or CMPS 215)
- _____ CMPS 221 Programming Fundamentals
- _____ CMPS 222 Object-Oriented Programming
- _____ CMPS 223 Data Structures and Algorithms
- _____ CMPS 224 Assembly Language Programming
- _____ CMPS 295 Discrete Structures

Upper Division required (50)

- _____ CMPS 312 Algorithm Analysis and Design
- _____ CENG 320 Digital Circuits
- _____ CMPS 321 Computer Architecture
- _____ CMPS 335 Software Engineering
- _____ CMPS 342 Database Systems
- _____ CMPS 350 Programming Languages
- _____ CMPS 356 Artificial Intelligence
- _____ CMPS 360 Operating Systems
- _____ CMPS 376 Computer Networks
- _____ CMPS 490 Senior Project in Computer Science

Upper Division Elective (select 1 400-level course or CMPS 371) (5)

Cognate Requirements (37)

- _____ MATH 201 Calculus I (also satisfies B4)
- _____ MATH 202 Calculus II
- _____ MATH 203 Calculus III
- _____ MATH 330 Linear Algebra
- _____ MATH 340 Probability
- _____ PHYS 221 Classical Physics I - Mechanics (6 – also satisfies B1, B3)
- _____ PHYS 222 Classical Physics II - Thermodynamics and E&M (6)

Lower Division General Education (55)

- _____ A1 - COMM 108
- _____ A2 - ENGL 110
- _____ A3
- _____ B2 - BIOL 100
- _____ C1, _____ C2, _____ C3
- _____ US History Requirement
- _____ D1
- _____ D2 ECON 202 (Macroeconomics)
- _____ D3 PLSI 101 (also satisfies State Government Requirement)

Upper Division General Education (15)

- (Theme I - waived for CMPS and CENG majors)
- _____ Theme II - PHIL 316 (Ethics)
- _____ Theme III
- _____ Gender, Race, or Ethnicity (GRE)