

Name _____ Date _____

ID No.000 _____ Admit Term: _____

Anticipated Grad Date: _____

Fall 2013 Computer Science B.S.

GENERAL EDUCATION CORE

For the list of approved General Education Core courses in Cultural Understanding, Life and Physical Sciences, Arts & Humanities, and Social Sciences, please see:

<http://uc.iupui.edu/UndergraduateEducation/GeneralEducationCurriculum/GeneralEducationCore.aspx>

Foundational Intellectual Skills

Core Communication

- ____ ENG-W 131 or W140 Elementary Comp I* (3)
- ____ COMM-R 110 Speech (3)

Analytical Reasoning

- ____ MATH16500 Calculus I (4)
- ____ MATH16600 Calculus II (4)

Cultural Understanding

- ____ _____ (3)

Intellectual Breadth and Adaptiveness

Life and Physical Sciences

- ____ _____ (3)
- ____ _____ (3)

Arts, Humanities & Social Sciences—must choose 1-2 from Arts and Humanities list and 1-2 from Social Science list

- ____ _____ (3)
- ____ _____ (3)
- ____ _____ (3)

BACCALAUREATE COMPETENCIES

- ____ CSCI12000 Windows on Comp. Science** (1)
- ____ MATH17100 Multidimensional Math (3)
- ____ MATH35100 or 51100 Linear Algebra (3)
- ____ STAT35000, 41600 or 51100 Statistics (3)
- ____ PHYS15200 Mechanics (4)
- ____ Life and Physical Science elective (3)
- ____ TCM32000 Written Communication in Science & Industry* (3)

*C or above is required in ENG-W131/140 and TCM32000

**CSCI12000 is required for freshmen and transfer students with fewer than 30 earned hours

Computer Science Major Courses

59 credits

Minimum Grade=C-, Minimum 2.0 Average

Core Courses

- ____ CSCI 23000/23050 Computing I SP, SU1, FA (4)
- ____ CSCI 24000/24050 Computing II [23000] (4)
SP, SU2, FA
- ____ CSCI 34000/34050 Discrete Computational Structures [23000/23050; C: 24000/24050] SP, FA (3)

All courses above 36200/36250 require 23000, 24000 and 34000 or equivalent and course noted by []. All courses are offered fall and spring unless noted (subject to change)

- ____ CSCI 36200 or 36250 Data Structures SP, FA (3)

- ____ CSCI 40200 Computer Architecture [34000/34050] (3)
SP, FA

- ____ CSCI 40300 Operating Systems [40200] SP, FA (3)

- ____ CSCI 48400 Theory of Computation [36200/36250] (3)
SP, FA

- ____ Capstone Experience (Senior Year): (3)
CSCI 49500, Explorations in Applied Computing [36200]
SP, FA

Computer Science and Supporting Course Electives

Computer Science majors take 11 major elective courses. A minimum of 6 CSCI electives at the 400 level or higher is required. No more than 3 courses can be from the select list of N-series courses. No more than 2 courses can be chosen from the list of supporting electives outside of computer science.

- ____ CSCI4 _____ (3)
- ____ CSCI4 _____ (3)
- ____ CSCI4 _____ (3)
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CAND 99100 (0 CR) _____

Total _____