

**Summary of the Curriculum for the B.S. Degree in Computer Science
for Students Entering the College of Liberal Arts & Sciences
from Fall 2005 through Summer 2009
and Transferring 56 Credit Hours or More Toward Graduation**

A total of 122 credits is required for the degree.

Fundamental Literacies: (6 credits)

- A. English Composition ENG-W131 with a grade of C or better (3 cr.)
- B. Oral Communication SPCH-S121 (3 cr.)

Common Core: (3 credits) Completion of *just one* of the following 300-level courses.

- A. The Natural World: N390 (3 cr.)
- B. Human Behavior & Social Institutions: B399 (3 cr.)
- C. Literary and Intellectual Traditions: T390 (3 cr.)
- D. Art, Aesthetics, and Creativity: A399 (3 cr.)

Contemporary Social Values: (3 credits) *One* of the following two options.

- Non-Western Cultures (e.g., ANTH-E105, POLS-Y109) **OR**
- Diversity in U.S. Society (e.g., SOC-S161, HIST-H105 or H106, ENG-L379, PSY-P391)

World Languages: (6 credits)

Two semesters of a single non-English language, or equivalent.

Physical and Life Sciences: (13 credits)

PHYS-P303 Digital Electronics (4 cr.) and 9 or more credits chosen from astronomy, biology, chemistry, geology, physics. All Natural World N190 and N390 courses can be used here, including the one used to satisfy a Common Core requirement. Courses must include at least two disciplines (i.e., at least one non-physics course).

Mathematics: (13 credits) *All these must be passed with a grade of C or better (not C-).*

Calculus MATH-M215 (5 cr.), or M208-M209 (6 cr.) Linear Algebra M301 (3 cr.).
Probability and Combinatorial Counting M260 (3 cr.). Statistics M261 (2 cr.).

Computer Science: (44 credits)

CSCI-C101*, C151, C201, C243, C251, C308, C311, C335, C435, C455, and three elective courses at the 400 level.

General Electives

IUSB and transfer courses sufficient to bring total to 122 credits.

* The department now strongly recommends that students who have no prior experience with programming take the course “CSCI-B100 Problem Solving with Computers” before attempting CSCI-C101.