

## Associate of Science in Computer Science

This program is designed to meet the needs of students who plan a career in computer science or whose career area requires extensive first-hand knowledge of computer science. Together, the basic curriculum and electives afford students considerable flexibility in planning a degree program to meet their career objectives.

CSCI C201 Computer Programming II is a required prerequisite to subsequent computer science courses and should be taken during the first semester of the first year. However, students who have not completed two years of high school algebra or who do not score high enough to enter MATH M122 College Algebra on the math placement test must take MATH M007 Elementary Algebra and/or MATH M117 Intermediate Algebra before taking CSCI C201. Because of prerequisite relationships, the computer science courses must be taken in sequence. The social sciences and arts and letters electives may be satisfied by taking any courses in those areas. In the final semester of the program, the student may, after obtaining the approval of a sponsoring full-time faculty member, undertake a project in CSCI C390 Individual Programming Laboratory. Finally, the general requirements for all degrees at IUS include a research writing requirement to be completed during the first 60 credit hours at IUS.

Students must petition the department coordinator for acceptance of any computer science-related coursework more than seven years old.

The Associate of Science in Computer Science requires at least 61 credit hours:

### I. General Education Core:

#### a. Communication 9

English W131

English W234

Speech S121

Research Writing R200

#### b. Mathematics 6-9

Mathematics K300 or

Economics E280-E281

CSCI C251

#### c. Social sciences electives ..... 6

Any social sciences course satisfies this elective requirement, but the following are recommended:

Psychology P101

Sociology S163

#### d. Arts and letters elective ..... 3

Any arts and letters course satisfies this elective requirement, but the following is recommended:

Philosophy P250

#### e. General electives 9

It is recommended that you select general electives that satisfy specific computer science B.S. degree requirements.

#### f. Computer competency ..... 3

An IUS general requirement.

CSCI C106

## II. Computer Science Requirements:

- a. Core 19-20
  - CSCI C201 (4)
  - CSCI C202 (4)
  - CSCI C237 (4)
  - CSCI C335 (4)
  - CSCI B/C/P 3XX/4XX (3-4)
- b. Concentration area (one area required).....6-7
  - 1) Computer Media Option
    - CSCI A346 (3)
    - CSCI A348 (3)
  - 2) Computer Networking Option
    - CSCI A247 (3 ) & CSCI B438 (3)
  - 3) Database Systems Option
    - CSCI B461 (3)
    - CSCI C343 (4)
  - 4) Client Server Option
    - CSCI A348 (3)
    - CSCI N211 (3)