

NAME: _____ ID#: _____ DATE: _____

College of Liberal Arts & Sciences

BACHELOR of Science in COMPUTER SCIENCE

Total Credits Required: 122

A. COMPOSITION (3 Credits)

_____ W131 Elementary Composition (3 cr.)

B. FOREIGN LANGUAGE (6 Credits)

_____ Course: _____ (Completion of two introductory courses in a
_____ Course: _____ single foreign language, or equivalent)

C. FOREIGN LANGUAGE / BUSINESS OPTIONS (6 - 15 Credits)

OPTION 1:

_____ A201 Introduction to Accounting I (3 cr.) OR A311

_____ A202 Introduction to Accounting II (3 cr.) OR A312

_____ Course: _____

_____ Course: _____

_____ Course: _____

Three additional courses to be taken from at least 2 other departments in Business & Economics. K201 & E270 are excluded from the list of 5 courses. Economics courses simultaneously fulfill this requirement and a requirement in Social & Behavioral Sciences.

OPTION 2:

_____ Course: _____ Two courses at the second year level in
_____ Course: _____ a foreign language

OPTION 3:

_____ Course: _____ Two courses at the first year level in
_____ Course: _____ a second foreign language

D. ARTS & HUMANITIES (12 Credits) (4 courses/3 areas)

_____ Course: _____ **AREA A:** Fine Arts, Journalism, Music M174,
_____ Course: _____ Speech (except S160),
_____ Course: _____ Telecommunications, Theatre

_____ Course: _____ **AREA B:** English (except W130, W131),
Foreign Languages (advanced,
literary)

AREA C: History, Philosophy, Religious
Studies

E. SOCIAL & BEHAVIORAL SCIENCES (12 Credits) (4 courses/2 areas; not more than 2 courses in any one area)

_____ Course: _____ **AREA A:** Economics, Geography, Political
_____ Course: _____ Science

_____ Course: _____ **AREA B:** Psychology

_____ Course: _____ **AREA C:** Sociology, Anthropology, Linguistics

F. PHYSICAL & LIFE SCIENCES (13 Credits)

_____ Course: _____ 13 credit hours, including 1 course with a
 _____ Course: _____ laboratory component, selected from at least two
 _____ Course: _____ disciplines: Astronomy, Biology, Chemistry,
 _____ Course: _____ Geology, and Physics (Physics P302 or P303
 recommended)

G. MATHEMATICS (13 Credits)

_____ M208 (3cr.) or M215 (5cr.) Analytical Geometry & Calculus I
 _____ M209 (3cr.) or M216 (5cr.) Analytical Geometry & Calculus II
 _____ M301 Applied Linear Algebra (3 cr.)
 _____ Probability and Statistics (4 cr.) Approved by the Department of CS

H. COMPUTER SCIENCE (44 Credits)

_____ C101 Computer Programming I (4 cr.)
 _____ C151 Multiuser Operating Systems (2 cr.)
 _____ C201 Computer Programming II (4 cr.)
 _____ C243 Elementary Data Structures (4 cr.)
 _____ C251 Foundations of Digital Computing (3 cr.)
 _____ C308 System Analysis & Design (4 cr.)
 _____ C311 Organization of Programming Languages (4 cr.)
 _____ C335 Computer Structures (4 cr.)
 _____ C435 Operating Systems & Computer Architecture (4 cr.)
 _____ C455 Analysis of Algorithms (4 cr.)
 _____ Course: _____ Three additional computer science courses at or
 _____ Course: _____ above the 300 level. Mathematics course M471 may
 _____ Course: _____ be counted here as computer science courses.

ELECTIVES

_____ Course: _____ / _____ Course: _____
 _____ Course: _____ / _____ Course: _____

Possible program of departmental courses for computer science majors.			
FIRST YEAR		SECOND YEAR	
CSCI C101 (4)	CSCI C201 (4)	MATH M301 (3)	CSCI C335 (4)
MATH M208 (3)	CSCI C151	CSCI C243 (4)	PHYS P303 (3)
	MATH M209 (3)	PHYS P281 (3)	MATH Prob. & Stat. (4)
THIRD YEAR		FOURTH YEAR	
CSCI C251 (3)	CSCI C455 (4)	CSCI C311 (4)	CSCI C435 (4)
CSCI C308 (4)	CSCI Y398 (3)	One computer science elective each semester.	

For further information, please contact: Department of Computer and Information Sciences, Northside 301A, 237-6521. **Please visit us on the World Wide Web at www.cs.iusb.edu**

Any student who intends to major in computer science should contact the chairperson of the Department of Computer and Information Sciences as soon as possible.

Please refer to: [IUSB Bulletin, 2003-2004](#)