



COMPUTER SCIENCE
Option 2 – Business Applications Track
Toward a Bachelor of Science Degree

Transfer Curriculum 000AS0087
Associate in Science
Minimum Hrs. 64
Major Code: 1.1 110701B

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CPS 202 Discrete Structures ¹	3	___
ENG 101 English Composition I ²	3	___
MAT 131 Calculus I	5	___
Fine Arts Elective ³	3	___
	<u>14</u>	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CPS 215 Computer Science II ⁵	4	___
ECO 201 Introduction to Macroeconomics	3	___
PHY 155 College Physics I ⁶	5	___
Biological Science Elective ⁶	3	___
Elective ⁷	2	___
	<u>17</u>	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CPS 206 Computer Science I ⁴	4	___
ENG 102 English Composition II ²	3	___
PHL 121 Introduction to Logic	3	___
SPE 115 Speech	3	___
Humanities Elective ³	3	___
	<u>16</u>	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ECO 202 Introduction to Microeconomics	3	___
PHY 156 College Physics II ⁶	5	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___
PSY 132 General Psychology	3	___
Elective ⁷	3	___
	<u>17</u>	___

¹ This course is offered Fall Semester in odd numbered years.

² Requires a grade of "C" or higher.

³ Student must choose at least one course specified to also satisfy the Integrative Studies requirement to fulfill Associate in Science degree guidelines.

⁴ A prior programming course is assumed (CPS 176 or equivalent).

⁵ This course is offered Fall semester in even numbered years.

⁶ Students should consult with an academic advisor and/or intended transfer institution to determine the appropriate lab science course(s) needed for the Computer Science degree. (SIUC College of Science, including Computer Science majors, requires six semester credits in biological sciences and six semester credits in physical science and only certain courses can be used to meet these requirements. PHY 155 and 156 are approved as physical science courses. BIO 101, 110, 115, 120, 225 are acceptable biological science courses.)

⁷ Students interested in SIUC Computer Science should select from MAT 282 (MATH 282), BUS 222 (FIN 270) or BIO 101, 110, 115, 120, 225 to complete the six credits needed in a biological science.

This curriculum guide outlines a recommended or suggested first two years for individuals interested in pursuing a baccalaureate degree in this discipline or possibly one closely related. The General Education component in this recommended guide meets the guidelines established by the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-V (General Education Component; GECC-IAI) of the curriculum guide (see the Associate in Science general degree requirements worksheet in the John A. Logan College Catalog).

It is recommended that you consult the catalog of the college or university you are considering as a transfer institution to complete a baccalaureate degree. It is also recommended that you consult with an academic advisor at that college or university.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Spring 2012

Career Opportunities: Computer programmer, systems programmer, programmer-analyst, business programmer, programmer consultant, documentation specialist, software consultant, systems consultant, process control programmer, computer applications specialist, systems engineer, software engineer, data processing analyst, computer analyst, systems analyst, computer sales representative, procedures analyst, technical writer, computer science instructor.

Major Employers: Wholesale and retail businesses, banking and insurance firms, government agencies, electronic and other manufacturers, data processing services firm, transportation and public utilities, research organizations, schools, colleges and universities.