COMPUTER SCIENCE
BACHELOR OF ARTS DEGREE
123-125 Semester Hours

FALL		SPRING	
CS 111 – Concepts of Computer Science (BICS)	3	CS 150 – Introduction to Computing II	3
CS 140 – Introduction to Computing I	3	ENG 102 – English Composition II[3]	3
ENG 101 – English Composition I[1]	3	MATH 150 – Calculus I (FQR)[5]	5
ACS 103 – Interpersonal Comm. Skills (EUSC)[2]	3	MATH 223 OR MATH 224 Discrete Mathematics (BPS)	3-4
*FST 101 – Succeeding & Engaging at SIUE	1	RA 101 – Reasoning & Argumentation[4]	3
Unrestricted/Minor Elective	3		
TOTAL	16	TOTAL	17-18

FALL		SPRING	
CS 234 – Database and Web System Dev.	3	CS 286 – Intro to Comp Organization & Architecture	3
Foreign Language 101	4	Foreign Language 102 (EGC)	4
Breadth Humanities (BHUM)	3	Breadth Social Science (BSS)	3
Breadth Fine & Performing Arts (BFPA)	3	STAT 244 - Statistics	4
Health Experience	1		
Unrestricted/Minor Elective	3		
TOTAL	16	TOTAL	14

FALL		SPRING	
CS 360 – Ethical and Social Implications of C.	3	CS 325 – Software Engineering	3
CS 340 – Algorithms and Data Structures	3	CS 447 – Networks and Data Communications	3
CS 314 – Operating Systems	3	CS 330 Programming Languages	3
Fine & Performing Arts or Humanities	3	Interdisciplinary Studies	3
Unrestricted/Minor Elective	3	Fine & Performing Arts or Humanities	3
TOTAL	15	TOTAL	15

FALL		SPRING	
CS 425 – Senior Project Software Design	3	CS 499 – Senior Project Software Implementation	3
CS Elective I[b]	3	CS Elective II[c]	3
Breadth Life Science (BLS)/Lab Experience (EL)	3	Fine & Performing Arts or Humanities	3
Fine & Performing Arts or Humanities	3	Unrestricted/Minor Elective	3
Unrestricted/Minor Elective	3	Unrestricted/Minor Elective	3
TOTAL	15	TOTAL	15

Declaration of Major: Students interested in any of the majors offered by the School of Engineering should seek advisement from the School of Engineering when they initially enroll in the University and should declare a major as soon as possible. Students admitted to programs offered by the School of Engineering shall have met University admission requirements, successfully completed any required academic development and high school deficiency courses, eligibility to enroll in MATH 125 – Pre-Calculus, and have a cumulative GPA of 2.0 or better in any completed University course work.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION.
FOR MORE INFORMATION CONTACT:
THE DEPARTMENT OF COMPUTER SCIENCE AT (618) 650-2386

*FST 101 – for first time freshmen only. Must be taken in the first semester.

[1]ENG 101 must be successfully completed within the First 30 Hours.

[2]ACS 103 must be successfully completed within the First 30 Hours. ACS 103 can be used as a Foundations course, and will also fulfill the EUSC requirement. If ACS 101 is taken instead of ACS 103, the EUSC requirement will have to be met by another appropriate course.

[3]ENG 102 must be successfully completed within the First 45 Hours.

[4]RA 101 must be successfully completed within the First 45 Hours.

[5]Quantitative Reasoning (QR) 101 must be successfully completed within the First 60 Hours. MATH 150 successfully completed (with a grade of 'C' or better) will fulfill this requirement.

[6] Students may be able to complete the Experiences-Health (EH) as an approved project or activity; if so, an additional course is not needed. (See academic advisor for approved project or activity). In addition, *BIOL 203 or *BIOL 205 will fulfill a BLS and EH requirement. *Prerequisite/s required courses.

[7]Interdisciplinary Studies (IS) Courses must be taken at the junior/senior level class standing. This requirement is not waived with completion of transfer associate degree or IAI-GECC. It is recommended that students choose a course to meet this general education requirement and Global Cultures (EGC). Selecting one of the following: IS 324, 326, 336, 340, *352*, 353, 363, *375*, 377, 400 or 401 will satisfy both the requirement of an IS course and the EXPERIENCES-GLOBAL CULTURES (EGC) requirements. In addition, IS 352 and 375 will fulfill the EGC, EUSC and IS requirements. If the IS course selected does not meet any of the general education requirements mentioned above, concurrently; then a course from the list of EGC courses must also be taken.

[a]**One two-semester foreign language sequence (101-102) is required.**

[b]**CS ELECTIVES: (one required)**

CS 321, CS 382, CS 423, CS 434, CS 438, CS 454, CS 456, CS 482, CS 490 (may count twice), CS 495 (may count twice), ECE 381 ECE 482, and MATH 465.

[c]**One Minor or (Second Major) is required.**

University Requirements (Non-General Education)
- **Bachelor of Science Degree Requires completion of 8 lecture courses in life (BLS* or LS*), physical (BPS* or PS*) or social science (BSS* or SS*) including 2 with labs (EL*)**
- **Minimum of 124 semester hours must be completed.**
- **Minimum GPA of 2.0 must be achieved.**

*Approved courses are identified in the catalog with this designation. Lists of approved classes may also be obtained at siue.edu/registrar/genedguides.shtml.