COMPUTER INFORMATION SYSTEMS - GENERAL (BACHELOR OF SCIENCE)

The Computer Information Systems major emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
Jax MIX General Education Curriculum		41

Course	Title	Credits
Prescriptive Courses		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science (WI)	3
CS 309	Introduction to E-Commerce	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems (WI)	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 372	Information Systems Project Management	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues (WI)	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
General		
Computer Science 300+ elective courses		6
Computer Science 400+ elective courses		6

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
EC 221	Principles of Microeconomics	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
MS 120 or MS 125	Calculus and Its Applications Calculus I	3-4
MS 302	Applied Probability and Statistics	3

Note: This schedule reflects the computer information systems program beginning with MS 120 (https://catalog.jsu.edu/search/?P=MS%20120) Calculus and Its Applications (3) or MS 125 (https://catalog.jsu.edu/search/?P=MS%20125) Calculus I (4). Freshman computer information systems majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about Jax MIX requirements (https://catalog.jsu.edu/undergraduate/jax-mix-requirements/) and Alabama Transfers equivalents (https://catalog.jsu.edu/undergraduate/alabama-transfers-equivalents/) can be found in their respective section of the catalog.**

Freshman		
Fall		**Hours**
Jax MIX Communication: EH Composition Sequence		3
Jax MIX Inquiry: Science sequence		4
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
SSC 101	First Year Experience	0
	Hours	**13**
Spring		
Jax MIX Communication: EH Composition Sequence		3
EH 141	Speech (Jax MIX Communication)	3
Jax MIX Inquiry: Science sequence		4
CS 231	Computer Programming I	3
CS 309	Introduction to E-Commerce	3
	Hours	**16**
Sophomore		
Fall		
MS 120 or MS 125	Calculus and Its Applications (Jax MIX Communication) or Calculus I	4
Jax MIX Experience: History		3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science (WI)	3
ACC 200	Principles of Accounting I	3
	Hours	**16**
Spring		
Jax MIX Expression: Fine Arts		3
Jax MIX Experience (History if sequence) [1]		3
EC 221	Principles of Microeconomics (Jax MIX Experience)	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems (WI)	3
	Hours	**15**
Junior		
Fall		
Jax MIX Expression: Literature		3
CS 372	Information Systems Project Management	3
CS 488	Database Systems	3
Computer Science Electives [2]		3
Electives		3
	Hours	**15**
Spring		
Jax MIX Expression (Literature if sequence) [1]		3
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MGT 301	Principles of Management	3
Computer Science Electives [2]		3
	Hours	**15**
Senior		
Fall		
CS 333	Computer Organization and Architecture	3
CS 450	Computer Networking	3
MS 302	Applied Probability and Statistics	3
MKT 301	Principles of Marketing	3
Electives		3
	Hours	**15**

Spring		
PSY 201	Principles of Psychology (Jax MIX Experience)	3
FIN 301	Business Finance	3
CS 462	Ethics and Legal Issues (WI)	3
Computer Science Electives [2]		3
Computer Science Electives [2]		3
	Hours	**15**
	Total Hours	**120**

1 Either a history sequence or a literature sequence is required.

2 Computer Science Electives should have two courses numbered 300+ and two courses numbered 400+.