

# 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
<b>Prescriptive Courses</b>		
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 370	COBOL for Information Systems	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
<b>General</b>		
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 or Calculus I	3-4
MS 302	Applied Probability and Statistics	3

*Note:* This schedule reflects the computer information systems program beginning with MS 120 Calculus and Its Applications (3) or MS 125 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 general education requirements can be found in the Summary*

of Degrees/Requirements (<https://catalog.jsu.edu/undergraduate/summary-degrees-requirements/>) **section of the catalog.**

<b>Freshman</b>		
<b>Fall</b>		
EH Composition sequence		3
Natural Science sequence		4
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
SSC 101	First Year Experience	0
<b>Hours</b>		<b>13</b>
<b>Spring</b>		
EH Composition sequence		3
EH 141	Speech	3
Natural Science sequence		4
CS 231	Computer Programming I	3
CS 309	Introduction to E-Commerce	3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
MS 120 or MS 125	Calculus and Its Applications or Calculus I	4
History		3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science (WI)	3
ACC 200	Principles of Accounting I	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
Fine Arts		3
History/Social/Behavioral Science <sup>1</sup>		3
EC 221	Principles of Microeconomics	3
CS 311	Management Information Systems (WI)	3
CS 310	Software Engineering I	3
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
EH Literature		3
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Computer Science Electives <sup>2</sup>		3
Electives		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Humanities & Fine Arts <sup>1</sup>		3
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MGT 301	Principles of Management	3
Computer Science Electives <sup>2</sup>		3
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
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
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
PSY 201	Principles of Psychology	3
CS 462	Ethics and Legal Issues (WI)	3
FIN 301	Business Finance	3
Computer Science Electives <sup>2</sup>		3

2 Computer Information Systems - General (Bachelor of Science)

Computer Science Electives <sup>2</sup>	3
<b>Hours</b>	<b>15</b>
<b>Total Hours</b>	<b>120</b>

<sup>1</sup> Either a history sequence or a literature sequence is required.

<sup>2</sup> Computer Science Electives should have two courses numbered 300+ and two courses numbered 400+.