COMPUTER INFORMATION SYSTEMS - WEB DEVELOPMENT (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
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 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
Web Development		
CS 315	Intro to Web Design	3
CS 325	Web Scripting	3
CS 425	Web Application Development Using Web Services	3
CS 415	Dynamic Web Application	3

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 Calculus and Its Applications (3) or MS 125 Calculus I (4). Freshman computer science 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 (catalog.jsu.edu/undergraduate/summary-degrees-requirements/) **section of the catalog.**

Course	Title	Hours
Freshman		
Fall		
EH Composition sequence		3
Natural Science sequence		4
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
STU 101	First Year Experience	0
	Hours	**13**
Spring		
EH Composition sequence		3
EH 141	Oral Communication	3
Natural 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 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
	Hours	**16**
Spring		
Fine Arts		3
History/Social/Behavioral Science [1]		3
EC 221	Principles of Microeconomics	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems (WI)	3
	Hours	**15**
Junior		
Fall		
EH Literature		3
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Computer Science Electives [2]		3
Electives		3
	Hours	**15**
Spring		
Humanities & Fine Arts [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 450	Computer Networking	3
CS 333	Computer Organization and Architecture	3
MS 302	Applied Probability and Statistics	3
MKT 301	Principles of Marketing	3
Electives		3
	Hours	**15**
Spring		
PSY 201	Principles of Psychology	3
CS 462	Ethics and Legal Issues (WI)	3

FIN 301	Business Finance	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 Web Development Courses: CS 315 Intro to Web Design (3), CS 325 Web Scripting (3), CS 415 Dynamic Web Application (3), and CS 425 Web Application Development Using Web Services (3)