

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
Jax MIX General Education Curriculum		41

Course	Title	Credits
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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

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 (<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		Hours
Fall		
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		Hours
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		Hours
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
Computer Science Electives ²		3
MGT 301	Principles of Management	3
Hours		15

Senior		Hours
Fall		
CS 333	Computer Organization and Architecture	3
CS 450	Computer Networking	3
MS 302	Applied Probability and Statistics	3

2 Computer Information Systems - Web Development (Bachelor of Science)

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 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)