

COMPUTER SCIENCE MAJOR

Bachelor of Science in Computer Science (even years) (Four-Year Plan)

Academic planning is the student's responsibility. This Graduation Plan is designed to be a guide to assist students as they plan their course selections. This is only a suggested schedule, and is not a substitute for a student's Degree Audit, nor the Program Requirements in the Judson University Catalog. Actual course selections should be made with the advice and approval of an academic advisor. Students should become familiar with the catalog in effect at the time at which they entered the institution. Course requirements and sequencing may vary with AP courses, transfer courses, English/math placement, or other conditions.

A full-time course load for undergraduate students is 12-18 credits per semester. Illinois residents receiving state aid should register for 15 hours per semester.

Course	Title	Hours
First Year		
First Semester		
ENG101	Expository Writing (or ACT/SAT placement)	3
GEN101 or ESS101	Questions of Life: Entering the Judson Conversation ¹ or Wellness	1
Physical Activity course		1
MAT211 or MAT215	Functions and Calculus I or Calculus w/Analytic Geometry I	3-5
CSC110	Introduction to Programming in C	3
CSC104	Linux Programming Environment	3
Hours		14-16
Second Semester		
ENG102	Critical Thinking and Writing (or ACT/SAT placement)	3
PSY111 or SOC151	Introduction to Psychology or Introduction to Sociology	3
MAT216	Calculus w/Analytic Geometry II	4
CSC106	Object Oriented Programming	3
SPC120	Foundations of Speech	3
Hours		16
Second Year		
First Semester		
Gen Ed Visual and Performing Arts Elective		3
CSC202	Data Structures and Algorithms	3
CSC205	Software Design Patterns & Princ	3
Science Elective w/Lab ²		4
Any Elective		3
Hours		16
Second Semester		
BST110	Intro to the Christian Bible	3
HIS261 or HIS262	History of Civilization I or History of Civilization II	3
CSC212	Database Systems	3
Science Elective w/Lab ²		4
Any Elective		3
Hours		16
Third Year		
First Semester		
THS110	Christian Faith: Understanding and Application	3
MAT314	Discrete Mathematics	3
CSC302	Data Structures & Algorithms II	3
Any Electives		6
Hours		15

Second Semester		
CSC490 or CSC495	CS Senior Project or CS Internship	3
MAT301	Mathematics Junior Seminar	1
MAT311	Probability and Statistics w/Lab	4
Any Elective		3
Hours		11
Fourth Year		
First Semester		
GEN401	The Good Life: Continuing the Conversation	3
CSC314	Computer Networks	3
CSC310	Computer Operating Systems and Architecture	3
Any Electives		6
Hours		15
Second Semester		
CSC420	Cloud Computing	4
CSC410	Software Engineering	3
Any Electives		9
Hours		16
Total Hours		119-121

¹ First-time students (those entering college directly from high school) should take GEN101; transfer students should take ESS101

² See major audit

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GEN101 or ESS101	Questions of Life: Entering the Judson Conversation ¹ or Wellness	1
Physical Activity course		1
MAT211 or MAT215	Functions and Calculus I or Calculus w/Analytic Geometry I	3-5
CSC110	Introduction to Programming in C	3
CSC104	Linux Programming Environment	3
Hours		14-16
Second Semester		
ENG102	Critical Thinking and Writing	3
PSY111 or SOC151	Introduction to Psychology or Introduction to Sociology	3
SPC120	Foundations of Speech	3
MAT216	Calculus w/Analytic Geometry II	4
CSC106	Object Oriented Programming	3
Hours		16

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Second Year

First Semester

Gen Ed Visual and Performing Arts Elective		3
Science Elective w/Lab ²		4
CSC202	Data Structures and Algorithms	3
CSC205	Software Design Patterns & Princ	3
Any Elective		3

Hours **16**

Second Semester

Science Elective w/Lab ²		4
BST110	Intro to the Christian Bible	3
HIS261 or HIS262	History of Civilization I or History of Civilization II	3
CSC212	Database Systems	3
Any Elective		3

Hours **16**

Third Year

First Semester

THS110	Christian Faith: Understanding and Application	3
MAT314	Discrete Mathematics	3
CSC314	Computer Networks	3
CSC310	Computer Operating Systems and Architecture	3
Any Elective		3

Hours **15**

Second Semester

CSC420	Cloud Computing	4
CSC410	Software Engineering	3
MAT301	Mathematics Junior Seminar	1
MAT311	Probability and Statistics w/Lab	4
Any Elective		3

Hours **15**

Fourth Year

First Semester

GEN401	The Good Life: Continuing the Conversation	3
CSC302	Data Structures & Algorithms II	3
Any Electives		9

Hours **15**

Second Semester

CSC490 or CSC495	CS Senior Project or CS Internship	3
Any Electives		12

Hours **15**

Total Hours **122-124**

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