Computer Science

Academic Planning Worksheet 2025-2026
Simmons University
Office of Undergraduate Advising

Notes:

- Simmons requires that all undergraduates complete a minimum of 128 credits of coursework, fulfill PLAN and major/program requirements, and submit a Senior Audit form to graduate.
- Students may declare a major after earning 32 credits, but prior to earning 80 credits.

Program Requirements

Majors complete the following required program requirements:

Course #	Course Title	Credits	Complete
CS 112CD	Introduction to Computer Science	4	
CS 110CD	Foundations of Information Technology	4	
CS 232CD	Data Structures (prereq: CS 112)	4	
CS 221CD	Database Management Systems (prereq: CS 112)	4	
CS 245CD	Computing Systems (prereq: CS 110, CS 112)	4	
CS 330CD	Structure and Organization of Programming Languages (prereq: CS 232)	4	
CS 332CD	Algorithms (prereq: CS 232, Math 210)	4	
MATH 210CD	Discrete Mathematics	4	
STAT 118CD	Introductory Statistics	4	

Electives

Students must take **TWO** electives to complete the Computer Science major courses. As a student in this program, you will choose from a selection of elective courses to earn eight credits. Course offerings will vary by term.

Course #	Course Title	Credits	Complete
CS 214CD	Data Interoperability (prereq: CS112)	4	
CS 227CD	Computer Networks (prereq: CS 110 or CS 112)	4	
CS 321CD	Web-Centric Programming (prereq: CS 221 and (CS 110 or COMM 244))	4	
CS 327CD	Cybersecurity (prereq: CS 227, CS 112, CS 110)	4	
CS 350CD	Independent Study	4	
CS 370CD	Internship	8	

Capstone

Students must fulfill 4 semester hours in CS 335.

Course #	**Course Title**	**Credits**	**Complete**
CS 335CD	Software Engineering (prereq: CS 330)	4	

PLAN Requirements

PLAN (Purpose Leadership ActioN) is the Simmons undergraduate general education program. Some PLAN requirements can be fulfilled with courses required for this major, as indicated below. Additional PLAN requirements may be fulfilled through electives. PLAN requirements, with the exception of the capstone, are waived for students who have an associate's degree from an accredited instruction. We highly recommend that you work closely with your advisor(s) to choose all of your courses.

Course Title			***Credits***	***Completed***
Math*: *1) Prior to first term, pass the mathematics competency requirement or 2) enroll in MATH 101CD the first semester it is available*			*0/4*	
*CNCT 101CD: Simmons Connect***			*3*	
LDR 201CD: Gender and Leadership			*4*	
CDA 201CD: Cross-Disciplinary Approaches to Public Issues			*6*	
CNCT 201CD: Pathways to Career and Leadership ***(Recommended after CDA)***			*1*	
*3D Design Across Diverse Disciplines **** ***(Students work on this requirement while enrolled in CNCT 201CD)***			*12*	
Requirements		***Course Selected***		
Language & Culture*:*** *Two (additional) Global Cultural (GC) courses*			*4*	
			4	
Quantitative Literacy *(QL)*		*CS 232CD*	*4*	
Key Content Areas ** (KCAs)***	*Aesthetic, Literary, and Artistic (ALA)*		*4*	
	Global Cultural (GC)		*4*	
	Scientific Inquiry (SCI)	*CS 112CD/CS 227CD*	*4*	
	Social and Historical (SH)		*4*	

**Students must satisfy the math competency requirement during their first semester at Simmons. Students who do not pass the mathematics competency exam by orientation or who do not meet the math competency requirement in one of the other ways described above must take MATH 101CD in the first semester it is available.*
***We highly encourage all students to take Simmons Connect in their first semester, and we recommend this course for all students, even those who enter with an associate's degree.*
****The 3D (Design Across Diverse Disciplines) requirement may be met with one course in your major and two additional courses (which may also satisfy KCA requirements).*
*****Students admitted in the May 2021 cohort are required to take two sequential courses in the same language (for example, French 101 and 102).*
******KCA requirements may be satisfied by courses in your major, LC courses, and/or 3D courses.*

Program Contacts

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