Computer Science

B.A. | Bachelor of Arts in Computer Science   **nwciowa.edu/computer-science**

Focus on faith

A Christian perspective is central to everything we do at Northwestern. It's what sets us apart from colleges where faith is on the margins or missing altogether. As a computer science major, you'll learn to view programming as an act of co-creation with God and computer science as a powerful tool for furthering God's kingdom.

Optimal capacity

Northwestern's computer science program will equip you with the knowledge, skills and experience necessary for success as a graduate student or research analyst. Unlock the theories behind today's software and develop the technical expertise to measure and optimize computer performance. You'll also learn how information is represented and organized and study technology's influence on history and society.

Problem solvers

Make an impression on future employers by becoming a student member of the Association for Computing Machinery (ACM). You'll connect with computing professionals from across the country and have opportunity to compete in ACM's programming contests. In 2022, a Northwestern team placed 16th among 95 schools in our region—the second-best finish for a school from Iowa and for a private liberal arts college.

100% placement

100% of our recent computer science graduates found a job or started grad school within six months of graduation.

8 to 15 students

Average size of a computer science class

TOP 100

NWC's computer programming teams have scored among the world's top 100 at IBM's "Battle of the Brains."

Outcomes

As modern technology continues to evolve, computer scientists, programmers and information technology professionals are in high demand—accounting for nearly 668,000 new jobs by 2030. The median annual wage for computer-based occupations was $97,430 in 2021, but some positions result in even higher salaries, according to the U.S. Bureau of Labor Statistics.

Join our standout computer science alumni at employers and graduate schools such as:

- Google, Mountain View, CA
- Epic Systems, Verona, WI
- Interstates, Sioux Falls, SD
- Speedway Motors, Inc., Lincoln, NE

The student that wants to take everything

Year	Semester	Entering Odd	Entering Even
Year 1	Fall	CSC 171	CSC 171
	Spring	CSC 172	CSC 172
		CSC 220	CSC 291
Year 2	Fall	CSC 270	CSC 351
		CSC 321	CSC 361
	Spring	CSC 291	CSC 220
		CSC 310	CSC 331
Year 3	Fall	CSC 341	CSC 270
		CSC 351	CSC 321
		CSC 361	CSC 371
	Spring	CSC 331	CSC 310
		CSC 420	CSC 381
Year 4	Fall	CSC 371	CSC 341
	Spring	CSC 381	CSC 420
		CSC 470	CSC 470

Computer Science

Year	Semester	Choose 1 of 3 Entering Odd	Choose 2 of 3 Entering Even
Year 1	Fall	CSC 171	CSC 171
	Spring	CSC 172	CSC 172
		CSC 220	CSC 291
Year 2	Fall	CSC 270	CSC 351
		CSC 321	CSC 361
	Spring	CSC 291	CSC 220
			CSC 331
Year 3	Fall	CSC 341	CSC 270
		CSC 351	CSC 321
		CSC 361	CSC 371
	Spring	CSC 331	CSC 381
Year 4	Fall	CSC 371	CSC 341
	Spring	CSC 381	

Software Engineering

Year	Semester	Choose 1 of 2 Entering Odd	Choose 2 of 3 Entering Even
Year 1	Fall	CSC 171	CSC 171
	Spring	CSC 172	CSC 172
		CSC 220	
Year 2	Fall	CSC 270	CSC 351
		CSC 321	CSC 361
	Spring	CSC 291	CSC 220
Year 3	Fall	CSC 341	CSC 270
		CSC 351	CSC 321
		CSC 361	CSC 371
	Spring	CSC 331	CSC 291
Year 4	Fall	CSC 371	CSC 341
	Spring		CSC 331