

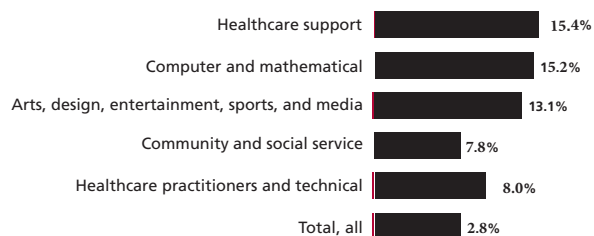


BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Why Earn a Bachelor's Degree in Computer Science?

Projected Percent Change by Selected Occupational Groups, 2022-32

Percent employment growth, projected 2022-32



- Median pay was **\$99,620 per year in 2022** (US Bureau of Labor Statistics)
- Seven of the top 10 jobs rated by job satisfaction are computer science and information tech positions (Glassdoor)

Why Choose Computer Science at CWU-Des Moines?

- Co-developed by CWU and Highline College, this program has been thoughtfully created for easy community college transfer.
- Guaranteed admission to the major for students with a transferable associates degree and C or better in program prerequisites.
- Offers face-to-face, online and hybrid courses.
- Students who meet prerequisites can complete the program in two years.
- Addresses the needs of various levels of mathematics preparation.
- Small classes, plus professors passionate about teaching.

Cost Details

Annual tuition costs:

cwu.edu/registrar/tuition-and-fees

Financial aid net price calculator:

cwu.edu/financial-aid/net-price-calculator

<https://www.cwu.edu/admissions-aid/financial-aid-scholarships/>

*Tuition costs subject to change annually. **Financial Aid awards vary.



CWU-Des Moines



cwu.edu/des-moines/bachelor-science-computer-science



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Two-Year Bachelor of Science Degree Sample Schedule

CWU YEAR 1					
FALL		WINTER		SPRING	
Course	Cr	Course	Cr	Course	Cr
CS 112* Introduction to Data Science in Python	4	CS 302 Advanced Data Structures and File Processing	4	CS 380 Introduction to Software Engineering	4
CS 301 Data Structures	4	CS 312 Computer Architecture II	4	CS 420 Database Management Systems	4
CS 311 Computer Architecture I	4	CS Elective 1**	4	CS Elective 2 **	4
CS 325 Technical Writing in Computer Science	4	MATH 260 Sets and Logic	5	MATH 330 Discrete Mathematics	5
	16		17		17
					50

* The curriculum for CS 112 has recently been revised. Most community colleges do not offer a transfer equivalency at this time.

** Some of your higher-level mathematics courses, such as Calculus II, Calculus III, or Linear Algebra may be applied as these two elective courses.

CWU YEAR 2					
FALL		WINTER		SPRING	
Course	Cr	Course	Cr	Course	Cr
CS 361 Principles of Language Design I	4	CS 392 Laboratory Experience in Teaching Computer Science	1	CS 362 Principles of Language Design II	4
CS 427 Algorithm Analysis	4	CS 470 Operating Systems	4	CS 481 Capstone Project	4
CS 450 Computer Network and Data Communications	4	CS 480 Advance Software Engineering	4	CS 489 Senior Colloquium	1
CS Elective 3	4	CS Elective 4	4	CS 492 Laboratory Experience in Teaching Computer Science	2
	-		-	CS Elective 5	4
	16		13		15
					44
				Total Credits	94

Typical Electives to be offered:

CS 351: Web Development Technologies II

CS 370: Introduction to Linux

CS 430: Cybersecurity

CS 445: Data and Information Visualization

CS 456: Data Mining

CS 466: Virtual Reality

Plus others based on faculty availability

Opportunities and Resources available:

- ✓ Free pre-admission advising to find the best fit for you.
- ✓ Guaranteed admission to the major for students with a transferable associates degree and C or better in AWI, AWII, Calculus I, and Programming Fundamentals I & II.
- ✓ On-site Computer Science and Math tutors for the major.
- ✓ Faculty mentored research projects available.
- ✓ Faculty mentored capstone software design project.
- ✓ Career Services including employment assistance.
- ✓ Local Internship opportunities.
- ✓ Clubs, paid student positions, activities and more.



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