

Computer Science, B.S. at Aurora University

Waubonsee Community College Associate in Arts (A.S.) Degree

First Year – Semester I (16 S.H.)	
WCC	Aurora University
ENG 101 First-Year Composition I (3)	ENG1000 Introduction to Academic Writing
MTH 131 Calculus with analytic Geometry (4)	MTH2210 Calculus I
IAI Social Behavioral other than ECN (3)	SBS Elective
BIO 100 Introduction to Biology or BIO 110 Environmental Biology (3)	Biology elective OR BIO2200 Humans & the Environment
CIS 115 Introduction to Programming (3)	CSC1010 Introduction to Computer Science

First Year – Semester II (14 S.H.)	
WCC	Aurora University
ENG 102 First-Year Composition II (3)	English Elective
CHM 121 General Chemistry PHY 221 General Physics I (4)	CHM1310/Z General Chemistry I OR PHY2210/Z General Physics I
MTH 132 Calculus with Analytic Geometry I (4)	MTH2220 Calculus II
CIS 130 C++ Programming OR CIS 150 Java Programming (3)	Computer Science Elective OR CSC1700 Introduction to Computer Programming

Second Year – Semester I (16 S.H.)	
WCC	Aurora University
CHM 122 Chemistry and Qualitative Analysis OR PHY 222 General Physics II (4)	CHM1320/Z General Chemistry II OR PHY2220 General Physics II
IAI Fine Art Course (3)	Elective
CIS 130 C++ Programming OR CIS 150 Java Programming (3)	Computer Science Elective OR CSC1700 Introduction to Computer Programming
COM 100 Fundamentals of Speech Communication (3)	COM1550 Professional Communication
IAI Major/Elective Course (3)	Elective

Second Year – Semester II (15 S.H.)	
WCC	Aurora University
IAI Humanities (3)	Elective
ECN 201 Principles of Microeconomics OR ECN 202 Principles of Economics – Macroeconomics (3)	Economics Elective
CIS 230 Advanced C++ OR CIS 250 C++ Programming (3)	Computer Science Elective
IAI Major/elective course (3)	Elective
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Total Semester Hours Completed after Year 2	61 Semester Hours

Please note you may also need to complete other requirements

Students who transfer with an A.A or A.S. will also need to have completed at least 60 semester hours.

Computer Science Bachelor of Science

Year 3 Suggestions

AU Course Number	AU Course Title	Semester Hours
	Junior Mentoring	(1)
MTH3270	Discrete Mathematics	(4)
CSC2200	Web Application Development	(4)
CSC2300	Computer Architecture	(4)
CSC2660	Object Oriented Programming	(4)
CSCXXXX	Selected Computer Science Course	(4)
	Minor Course/Elective	(4)
	Minor Course/Elective	(4)
	Total Year 3 Semester Hours	(29)

Year 4 Suggestions

CSC3630	Data Structures and Algorithms	(4)
CSC4350	Software Engineering	(4)
CSC4500	Database Design and Implementation	(4)
CSC4990	Computer Science and Engineering Capstone	(4)
CSCXXXX	Selected Computer Science Course	(4)
	Minor Course/Upper Level Elective	(4)
	Minor Course/Upper Level Elective	(4)
	Elective	(2-4)
	Total Year 4 Semester Hours	(30-32)
	Total Semester Hours Completed at AU	(59)
	Total Semester Hours Completed at Waubonsee Community College	(61)
	Total Semester Hours for B.S. Computer Science	(120)

Upon successful completion of your bachelor's degree, Aurora University allows you to complete your master's degree in just one year with our unique Plus One programs. Learn more at aurora.edu/plusone.

The School of Business is continuously redesigning programs based on current research, and the university's conceptual framework. The program of the student could be subject to new, required changes.