

Computer Science, B.S. at Aurora University

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

First Year – Semester I (15 S.H.)	
ECC	Aurora University
ENG 101 English Composition I (3)	ENG1000 Introduction to Academic Writing
MTH 190 Calculus I (5)	MTH2210 Calculus I
BIO 108 Biology for Contemporary Society (4)	Biology elective OR BIO2200 Humans & the Environment
CIS 110 Introduction to Computers (3)	CSC1010 Introduction to Computer Science

First Year – Semester II (16 S.H.)	
ECC	Aurora University
ENG 102 English Composition II (3)	English Elective
PHY 211 Engineering Physics I (5)	PHY2210/Z General Physics I
MTH 210 Calculus II (5)	MTH2220 Calculus II
CIS 121 Computer Science I (3)	CSC1700 Introduction to Computer Programming

Second Year – Semester I (15 S.H.)	
ECC	Aurora University
PHY 212 Engineering Physics II (5)	PHY2220 General Physics II
IAI Fine Arts/Humanities (3)	Elective
IAI Behavioral/Social Science (3)	Elective
CIS 123 Computer Science for Engineers (4)	Computer Science Elective

Second Year – Semester II (16 S.H.)	
ECC	Aurora University
IAI Fine Arts/Humanities (3)	Elective
IAI Behavioral/Social Science (3)	Elective
CIS 223 Computer Science II (4)	Computer Science Elective
CMS 101 Fundamentals of Speech (3)	COM1560 Professional Communication
IAI Major/elective course (3)	Elective
Total Semester Hours Completed after Year 2	62 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 Elgin Community College	(62)
	Total Semester Hours for B.S. Computer Science	(121)

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.