

Major: Computer Science, B.S. Artificial Intelligence Specialization

[2021-2022 Academic Catalog]

<u>Year / Semester</u>	SGR/Major Requirement	<u>Cr Hrs</u>	<u>Year / Semester</u>	SGR/Major Requirement	<u>Cr Hrs</u>
<u>First Year - 1st Semester</u>			<u>First Year - 2nd Semester</u>		
CSC 155/155L Computer Science I	Major	4	CSC 255/255L Computer Science I	Major	4
ENGL 101 Composition I	SGR 1	3	ENGL 210 Introduction to Literature	BS	3
MATH 123 Calculus I	SGR 5 + M	5	MATH 125/125L Calculus II	Major + Minor	5
CMST 101 Fundamentals of Speech	SGR 2	3	Social Science	SGR 3	3
First Year Seminar		1			
	Semester Credit Hours:	16		Semester Credit Hours:	15
<u>Second Year - 1st Semester</u>			<u>Second Year - 2nd Semester</u>		
CSC 350 Algorithms & Data Structures	Major	4	CSC 324/324L Machine Organization	Major	4
MATH 216 Discrete Structures	Major + Minor	3	Humanities	SGR 4	3
Advanced Comp	SGR 1	3	Social Science	SGR 3	3
Natural Science	SGR 6	4	Additional Natural Science	BS	3
	Semester Credit Hours:	14	Fine Arts	SGR 4	3
				Semester Credit Hours:	16
<u>Third Year - 1st Semester</u>			<u>Third Year - 2nd Semester</u>		
CSC 456 Operating Systems	Major	3	CSC 453 Theory & System Fundamentals	Major	3
CSC 408 Social/Ethical/Legal Aspect	Major	1	Specialization Course (CSC 425/CSC 447/CSC 486/CSC 488)	Major	6
Science course from list BIOL 151/L, BIOL 153/L, CHEM 112/L, CHEM 114/L, ESCI 101/L, ESCI 103/L, PHYS 211/L, or PHYS 213/L. min 3cr req. toward major, 1 hr towards general electives	SGR 6 + M	4	Additional Natural Science	BS	3
STAT Course (STAT 480 or STAT 481)	Major + Minor	3	Elective		3
Elective		3			0
	Semester Credit Hours:	14		Semester Credit Hours:	15
<u>Fourth Year - 1st Semester</u>			<u>Fourth Year - 2nd Semester</u>		
CSC 380 Information Retrieval & Analysis	Major	3	CSC 462 Computer Networks & Security	Major	3
Math Elective to Complete Math Composite Minor	Minor	3	CSC 480 Capstone: Software Engineering	Major	3
Specialization Course (CSC 425/CSC 447/CSC 486/CSC 488)	Major	3	Specialization Course (CSC 425/CSC 447/CSC 486/CSC 488)	Major	3
Elective		6	Elective		6
	Semester Credit Hours:	15		Semester Credit Hours:	15
				Total Major Requirements	120

Notes:

CSC Electives: CSC 401, CSC 411, CSC 425, CSC 433, CSC 435, CSC 447, CSC 461, CSC 471, CSC 475, CSC 481, CSC 492, CSC 494.
CSC Electives for AI Specialization: CSC 425, CSC 447, CSC 486, CSC 488.