

Preparatory and Major courses for Bachelor of Science in Computer Science (620-201)		
BS in Computer Science		
General Education Recommendations		Satisfied by:
ENG 334A	Technical Writing	None
Prerequisites for the Major:		Satisfied by:
BIO 100	Survey of Bioscience*	BIOL 110
BIO100A	Survey of Bioscience Lab (1.5 quarter units)*	
CHE 101	Introductory Chemistry* (Recommended: Prior completion of MTH 204 or 215 or 216A/B)	CHEM 192
CHE 101A	Introductory Chemistry Lab* (1.5 quarter units)	
PHS 104	Introductory Physics*	None
PHS 104A	Introductory Physics Lab* (1.5 quarter units)	
and		and
MTH 215	College Algebra*	MATH 130
CSC 200	Orientation to Computer Science	None
CSC 208	Calculus for Computer Science I*	MATH 251
CSC 209	Calculus for Computer Science II	MATH 252
CSC 220	Applied Probability and Statistics	None
CSC 242	Introduction to Programming Concepts*	None
CSC 252	Programming in C++*	COMP 250
CSC 262	Programming in Java*	COMP 284
Requirements for the Major:		Satisfied by:
CSC 300	Object Oriented Design	None
CSC 310	Linear Algebra & Matrix	None
CSC 331	Discrete Structures and Logic (CROSS LISTED and EQUIVALENT to MATH 325)	None
CSC 335	Data Structures and Algorithms	None
CSC 338	Algorithm Design	None
CSC 340	Digital Logic Design	None
CSC 340L	Digital Logic Design Lab (1.5 quarter units)	None
CSC 342	Computer Architecture	None
CSC 350	Computer Ethics	None
CSC 400	OS Theory and Design	None
CSC 422	Database Design	None
CSC 430	Programming Languages	None
CSC 436	Computer Communication Networks	None
Select any two courses from the following list:		
CSC 421	Compiler Design	None
CSC 440	Advanced Programming in Java	None
CSC 445	Wireless Application Development	None
CSC 450	Artificial Intelligence	None
CSC 451	AI Programming	None
CSC 452	Human Computer Interaction	None
CSC 454	Computer Graphics	None
CSC 455	Game Programming	None
CSC 456	Advanced Game Programming	None
Capstone Project:		
CSC 480A	Computer Science Project I	None
CSC 480B	Computer Science Project II	None
NO COURSES ACCEPTED FROM COMMUNITY COLLEGES FOR 400 LEVEL (UD) COURSEWORK!		