## **Bachelor of Science in Computer Science** Software Development Checklist

Checkiist			
Required Course	When Taken	Grade	Notes
Computer Science	ce Core (33 Cred	lit hours)	
CSIT 121 Computer Science I		iit iiours)	
CSIT 221Computer Science II			
CSIT 324 Object Oriented Programming			
CSIT 231 Systems Programming			
CSIT 241Discrete Math for CS I / MATH 231 Linear			
Algebra,			
CSIT 311 Assembly Language/Computer Organization			
CSIT 321 Paradigms of Programming Languages			
CSIT 341 Data Structures			
CSIT 425 Software Engineering			
CSIT 431 Introduction to Operating Systems			
CSIT 455 Relational and Object Databases			
Coftware Davidson	-4 Dagusinamanta	and Flactiv	25
Software Developmen	n Requirements	and Electiv	es
MATH 120 Survey of Calculus I or MATH 122 University Calculus I			
MATH 122 University Calculus I MATH 121 Survey of Calculus II or			
MATH 121 Survey of Calculus II of MATH 123 University Calculus II			
CSIT 201 Computer Security and Ethics			
CSIT 242 Discrete Math for Computer Science II			
CS Elective*			
CS Elective (400 level)*			
CS Elective (400 level)*			
,CSIT 307 Web Development with Ruby on Rails, CSIT 4 Microcontrollers, CSIT 413 Computer Architecture, CSIT Operating Systems, CSIT 456 Information and Decision S 433 Compiler Construction, CSIT 441 Design and Analyst Mobile Programming, CSIT 461 Introduction to AI and K Introduction to Digital Image Processing and Computer V	T 435 Data Communication of Algorithms Enowledge Engine Tission, <i>MATH 231</i>	nunications a CSIT 473 Da , CSIT 443 Teering, CSIT Linear Algebr	and Networks, CSIT 437 Advance ata Warehousing and Mining, CSIT Theory of Computation, CSIT 333 462 Computer Graphics, CSIT 463
A maximum of two courses from the following list may be CSIT 496 Special Topics, CSIT497 Thesis, CSIT 499 Sen 390 Directed Study, CSIT 400 Directed Independent Study	ior Project, CSIT		
Students must complete a minimum of 66 credit both overall and in the courses listed in the above check hours. All students WHO STARTED IN FALL 2015 O credit hours as the upper-level (300 and above). Students may double major in Computer Science and requirements for both majors; the student is required (credit hours from courses within the list of courses of major).	dist. Students mu OR AFTER seeki Computer Infort to take at least 1	ust complete ng an under mation Syst 5 additional	a minimum of 120 total credit graduate degree must complete 4 ems by completing all credit hours in the second major
College Core Curriculum: Refer to a separate CCC F	Report for details		
Student: Anticipated Date			
of Completion:			
Advisor:			

Revised March 2021