2019-20 Checklist for Bachelor of Science in Computer Science

	MAJOR COURSES			GENERAL EDUCATION CORE (42 hours)
	Required Courses (60 hours)			*College Success Skills (2 hours)*
	MATH 190 Calculus I			OREN 105
	MATH 220 Discrete Mathematics			
	MATH 250 Mathematical Statistics			*Communication (6 hours Composition and 3 hours COMM/SPCH required)*
	MATH 290 Calculus II			ENGL 110 or validation by ACT/SAT
	MATH 295 Calculus III			ENGL 111 or ENGH 111
	MATH 310 Linear Algebra			COMM 210, 212, 220; SPCH 101
	MATH 430 Abstract Algebra			
	BUSN 352 Business Service-Learning Practicum			*Mathematics (3 hours)*
	CISC 105 Intro to Problem Solving & Algorithm Dev			**MATH 140 (Required for this major.)**
	CISC 110 Introduction to Programming			
	CISC 210 Data Structures and Advanced Programming			*Arts and Humanities (6 hours -- 3 hours must be in literature)*
	CISC 215 Database Management			*Literature* : ENGL 201, 204, 205, 217, 219, 223, 224, 225, 227, 228, 231, 250
	CISC 310 Network Fundamentals and Programming			
	CISC 330 Software Engineering			*Fine Arts and Humanities* : ARTS 110, 204, 208; ENGL 120, HUMA 222, MUSC 101, RELG 101, 102, 201, 230; THEA 104
	CISC 410 Operating Systems			
	CISC 450 Senior Project			
	CISC 460 Introduction to Algorithms			*Natural Science (4 hours -- lab required)*
	Plus two additional 200-level or higher courses in			
	Mathematics or Computer Science (minimum 6 hours)			BIOL 105, 110, 251; CHEM 101, EVSC 111, GEOL 101, NSCI 105, PHYS 201
	1)			
	2)			*Behavioral Wellness and Social Sciences (6 hours; may use only 3 credits from the wellness area)*
	Computer Science Minor (18 hours)			*Social Science* : BUSN 201, 202, 208; CRJU 105, GEOG 200, POLS 210, 220; PSYC 101, 206, 207; SOCI 101, 105
	CISC 105 Introduction to Problem Solving and Algorithm Development			*Wellness* : PHED 201, PSYC 102
	CISC 110 Introduction to Programming I			
	CISC 210 Data Structures and Advanced Programming			*History (6 hours)*
	CISC 215 Database Management			HIST 101, 102, 201, 202, HIST/POLS 280
	CISC 310 Network Fundamentals and Programming			
	And one course from the following:			*Religious Studies (3 hours) -- If a religion (RELG) course was taken for the Arts & Humanities requirement, choose another here.*
	CISC 200 Management Information Systems			
	CISC 325 Information Assurance			RELG 101, 102, 201, 230
	CISC 330 Software Engineering			
	CISC 350 Special Topics in Languages			*Civic Studies (3 hours)*
	CISC 375 Web Design			CIVS 223, CIVS 251; POLS 110, 230
	CISC 385 Web Programming			
	CISC 405 Mobile Application Development			
	CISC 410 Operating Systems			*Arts and Lecture Series (no credit hours)*
				Attended _____ of _____ required Arts & Lecture events
	Web Design Minor (15 hours)			
	Prerequisites: Computer Literacy, CISC 200 & MATH 140			
	CISC 105 Intro to Problem Solving & Algorithm Dev			*Required Course from the General Education core:*
	CISC 325 Information Assurance			Math 140 Elementary Statistics
	CISC 332 Electronic Commerce			
	CISC 375 Web Design			
	CISC 385 Web Programming			
	TUSCULUM UNIVERSITY RESERVES THE RIGHT TO REVISE ACADEMIC PROGRAMS AS DEEMED NECESSARY			

Major Courses: 60.00 hrs
General Education core: 42.00 hrs
Elective Hours: 18.00 hrs
Total: 120.00 hours required for graduation