Computer Science

B.S. in Computer Science

Freshman Year

Fall		Credits
CSCI 160 or CSCI 130	Computer Science I or Introduction to Scientific Programming	4
MATH 208	Discrete Mathematics	3
ENGL 110	College Composition I	3
E.S. Social Science Elective		3
E.S. Humanities Elective		3
	Credits	**16**

Spring		
CSCI 161	Computer Science II	4
EE 201		3
EE 201L		1
MATH 165	Calculus I	4
ENGL 130	Composition II: Writing for Public Audiences	3
	Credits	**15**

Sophomore Year

Fall		
CSCI 242	Algorithms and Data Structures	3
CSCI 265	Introduction to Programming Languages	3
CSCI 289	Social Implications of Computer Technology	3
MATH 166	Calculus II	4
E.S. Fine Arts elective		3
	Credits	**16**

Spring		
CSCI 266		3
CSCI 280	Object Oriented Programming	3
MATH 207	Introduction to Linear Algebra	2
Approved Statistics Course		3
Approved Laboratory Science Elective I		4
	Credits	**15**

Junior Year

Fall		
CSCI 327	Data Communications	3
CSCI 330	Systems Programming	3
CSCI 363	User Interface Design	3
CSCI 365	Organization of Programming Languages	3
Approved Laboratory Science Elective II		4
	Credits	**16**

Spring		
CSCI 364	Concurrent and Distributed Programming	3
CSCI 370	Computer Architecture	4
CSCI 455	Database Management Systems	3
CSCI 463	Software Engineering	3
E.S. Social Science Elective		3
	Credits	**16**

Senior Year

Fall		
CSCI 435	Formal Languages and Automata	3
CSCI 451	Operating Systems I	3
CSCI 492	Senior Project I	3
CSCI elective		3
CSCI elective		3
	Credits	**15**

Spring		
CSCI 493	Senior Project II	3
CSCI elective		3
CSCI elective		3
E.S. Humanities Elective		3
E.S. Social Science Elective		3
	Credits	**15**
	Total Credits	**124**

Breadth of knowledge area courses can also fulfill an essential studies Special Emphasis requirement (example-Math 103, College Algebra, will count toward the Math/Science/Technology requirements as well as the Quantitative Reasoning requirement). Please Note: Every student must fulfill all University, Departmental, and Essential Studies requirements. (https://und.edu/academics/essential-studies/)