Bachelor of Science in Computer Science

[4] Lists of currently recommended courses for the laboratory science courses and probability/statistics elective are available from the SEECS; other courses may be accepted with approval from your advisor or the SEECS undergraduate program director.

Required 124 credits (36 of which must be numbered 300 or above) including:

I. Essential Studies Requirements (see University ES listing).

II. Computer Science required courses

Code	Title	Credits
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II [1]	4
CSCI 166	Tools and Techniques of Computing Practice	3
CSCI 242	Algorithms and Data Structures [1]	3
CSCI 265	Introduction to Programming Languages [1]	3
CSCI 280	Object Oriented Programming	3
CSCI 289	Social Implications of Computer Technology	3
CSCI 327	Data Communications	3
CSCI 330	Systems Programming [1]	3
CSCI 363	User Interface Design	3
CSCI 364	Concurrent and Distributed Programming	3
CSCI 365	Organization of Programming Languages [1]	3
CSCI 370	Computer Architecture [2]	4
CSCI 435	Formal Languages and Automata [2]	3
CSCI 451	Operating Systems I [2]	3
CSCI 455	Database Management Systems	3
CSCI 463	Software Engineering	3
CSCI 492	Senior Project I [2]	3
CSCI 493	Senior Project II [2]	3
Total Credits		**60**

III. Program Required Electives

Code	Title	Credits
CSCI electives [3]		**12**
Total Credits		**12**

IV. College of Engineering and Mines Requirements

Code	Title	Credits
EE 201 & 201L	and	4
Total Credits		**4**

V. Requirements outside of the College of Engineering and Mines

Code	Title	Credits
MATH 165	Calculus I	4
MATH 166	Calculus II	4
MATH 207	Introduction to Linear Algebra	2
MATH 208	Discrete Mathematics	3
2 Approved laboratory science courses [4]		8
Approved probability/statistics elective [4]		3
Total Credits		**24**

[1] Grade of 'C' or higher required
[2] Must be taken at UND
[3] A combined total of 6 credits from EECS 397 Cooperative Education or CSCI 399 Topics in Computer Science or CSCI 494 Special Projects in Computer Science may be applied toward these electives. The remaining electives must be UND Computer Science lecture courses numbered 300 or above.