

Name: _____

NAID: _____

NORTH DAKOTA STATE UNIVERSITY
College of Science and Mathematics

Bachelor of Science Degree

Computer Science Major

Effective: Fall 2002,
Spring 2003, Summer 2003

MAJOR COURSES: 47 credits

- CSCI 160 4 _____ [173] Computer Science I
- 161 4 _____ [174] Computer Science II
- 235 3 _____ Theoretical Computer Science I
- 236 3 _____ Theoretical Computer Science II
- 366 3 _____ Files for Database Systems
- 372 3 _____ Comparative Languages
- 373 3 _____ Assembly Programming
- 374 3 _____ Computer Org. & Architecture
- 467 3 _____ Algorithm Analysis
- 474 3 _____ Operating Systems Concepts
- _____ 3 _____ 475-Operating Systems Design
or 468-Database Systems Design
- 489 3 _____ Social Implications of Computers
(Capstone)

Electives: 9 credits

- _____ 3 _____ 426 Intro to Artificial Intelligence
or 488 Human-Computer Interaction
- _____ 3 _____ 315 System Analysis & Design
or 477 Object-Oriented Systems
- _____ 3 _____ 458 Microcomputer Graphics
or 459 Foundations of Computer
Networks

RELATED COURSES REQUIRED:

- CSCI 222 3 _____
- MATH 165 4 _____ [160]
- 166 4 _____ [161]
- STAT 367 3 _____
- 368 3 _____

RELATED COURSES CONTINUED:

ONE YEAR LAB SCIENCE SEQUENCE CHOSEN FROM:

- BIOL 150 3 _____ 150L 1 _____
151 3 _____ 151L 1 _____
- OR
- CHEM 121 [120] 3 _____ 121L [130] 1 _____
122 [121] 3 _____ 122L [131] 1 _____
- OR
- CHEM 150 3 _____ 160 1 _____
151 3 _____ 161 1 _____
- OR
- GEOL 105 [120] 3 _____ 105L [121] 1 _____
106 [130] 3 _____ 106L [131] 1 _____
- OR
- PHYS 251 [251] 5 _____ 251L [252] 1 _____
252 [253] 4 _____ 252L [254] 1 _____

Two additional courses in science from those listed above
(excluding labs) or from:

- BIOL 220 [ZOO 120], 221, 364
- BOT 314, 315 [311], 372 [170], 380
- CHEM 341, 364, 365, 431 [330]
- PHYS 350, 351, 352, 361, 363

Additional credits in Humanities or Social Sciences to meet
the requirements of the College of Science and Mathematics
and Computer Science. BS: 9 credits

Numbers in brackets [] refer to course numbers prior to Fall 2000.

A grade of C or better is required in computer science (CSCI) courses used toward the major. All core computer science courses must be taken at NDSU or transferred in when the student enters NDSU as a transfer student.

Humanities, Social & Behavioral Sciences: 21 credits required.

To complete a degree, the general education requirements for the Bachelor of Science degree of the College of Science and Mathematics and NDSU need to be met along with this major.

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North Dakota State University
College of Science and Mathematics
General Education Requirements

First Year Experience - F	BS & BA: 1 credit	Total	Quantitative Reasoning - R	BS & BA: 3 credits	Total
UNIV 189 -1					
Communication - C	BS & BA: 9 credits		Science & Technology - S	BS & BA: 10 credits	
English 110 - 3			Including a course with a lab.		
English 120 - 3					
Communication 110 - 3					
Wellness - W	BS & BA: 2 credits				
			Global Perspectives - G		
Humanities & Fine Arts - A	BS & BA: 6 credits		3 credits included as part of general education or major		
3 credits maximum from fine arts(fa) performance					
			Electives		
Cultural Diversity - D			D transfer grades that do not meet requirements		
3 credits included as part of 6 credits for humanities or social & behavioral sciences.					
			UNIV 397 (Co-Op Optional)	4 credits maximum	
Social & Behavioral Sciences - B	BS & BA: 6 credits		Residency at NDSU:	36 credits with at least 15 credits in major	
			Credits at a 4 year university:	60 credits	
Second Year Foreign Language Proficiency			Courses numbered 300 or higher:	37 credits	
BS: Not Required BA: 6 credits or equivalent			(15 minimum at NDSU)		
			Total Credits Required:	122 credits minimum*	

A list of approved courses for each category is available in the Registration Schedule or at <http://www.ndsu.nodak.edu/ndsu/deott/registrar/geneds.stm>
 *May vary depending on the major. T= transfer credits, D grades from transfer credits do not meet requirements.

Credits Not Counted
 Toward Graduation: ENGL 086____, MATH 099____, MATH 102____, Other_____

Only free electives may be taken pass/fail.
 BS = Bachelor of Science degree BA = Bachelor of Arts degree

Advisor: _____