

Name : _____

ID : _____

NORTH DAKOTA STATE UNIVERSITY
College of Science and Mathematics

Bachelor of Science Degree
Computer Science Major

Effective: Fall 2006

MAJOR COURSES: 50 credits

CSCI	160	4	_____	Computer Science I
	161	4	_____	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
	445	3	_____	Software Projects
	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)

RELATED COURSES CONTINUED:

ONE YEAR LAB SCIENCE SEQUENCE CHOSEN FROM:

BIOL	150	3	_____	150L	1	_____
	151	3	_____	151L	1	_____
OR						
CHEM	121	3	_____	121L	1	_____
	122	3	_____	122L	1	_____
OR						
CHEM	150	3	_____	160	1	_____
	151	3	_____	161	1	_____
OR						
GEOL	105	3	_____	105L	1	_____
	106	3	_____	106L	1	_____
OR						
PHYS	251	4	_____	251L	1	_____
	252	4	_____	252L	1	_____

Electives: 9 credits

_____	3	_____	426 Intro to Artificial Intelligence or 488 Human-Computer Interaction
_____	3	_____	413 Prin. of Software Engineering or 477 Object-Oriented Systems
_____	3	_____	458 Microcomputer Graphics or 459 Foundations of Computer Networks

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

BIOL	220, 221, 364
BOT	314, 315, 372, 380
CHEM	341, 364, 365, 431
PHYS	350, 361, 411

RELATED COURSES REQUIRED:

CSCI	222	3	_____
MATH	165	4	_____
	166	4	_____
STAT	367	3	_____
	368	3	_____

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

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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General Education Requirements

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

A list of approved courses for each category is available at <http://www.ndsu.nodak.edu/ndsu/deott/schedule/geindex.htm>

*May vary depending on the major.

T= transfer credits, D grades from transfer credits do not meet requirements.

Credits Not Counted

Toward Graduation: MATH 101____, MATH 102____, Other_____

Only free electives may be taken pass/fail.

BS = Bachelor of Science degree BA = Bachelor of Arts degree

Advisor: _____