Name: _____ NAID: _____

NORTH DAKOTA STATE UNIVERSITY
College of Science and Mathematics

Bachelor of Science Degree
Computer Science Major

Effective: Fall 2003, Spr 2004. Summer 2004

MAJOR COURSES: 47 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
	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 Artifical 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

RELATED COURSES REQUIRED:

CSCI	222	3_____
MATH	165	4_____
	166	4_____
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	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____

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

_____ _____

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.

Name:_____ Degree:_____

NAID:_____ Date:_____

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

First Year Experience - F BS & BA: 1 credit	Total
UNIV 189 -1	

Communication - C BS & BA: 9 credits	
English 110 - 3	
English 120 - 3	
Communication 110 - 3	

Wellness - W BS & BA: 2 credits

Humanities & Fine Arts - A BS & BA: 6 credits 3 credits maximum from fine arts(fa) performance	

Cultural Diversity - D 3 credits included as part of 6 credits for humanities or social & behavioral sciences.

Social & Behavioral Sciences - B BS & BA: 6 credits	

Second Year Foreign Language Proficiency BS: Not Required BA: 6 credits or equivalent	

Quantitative Reasoning - R BS & BA: 3 credits	Total

Science & Technology - S BS & BA: 10 credits Including a course with a lab.	

Global Perspectives - G 3 credits included as part of general education or major

Electives

D transfer grades that do not meet requirements

UNIV 397 (Co-Op Optional) 4 credits maximum

Residency at NDSU: 36 credits with at least 15 credits in major

Credits at a 4 year university: 60 credits

Courses numbered 300 or higher: 37 credits (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:_____

Eff. Fall 2002/2003