

Name: \_\_\_\_\_

**NORTH DAKOTA STATE UNIVERSITY**

College of Science &amp; Mathematics

**B.S. Computer Science**

ID: \_\_\_\_\_

Fall 2011

GENERAL EDUCATION REQUIREMENTS - 40 Credits Required					MAJOR REQUIREMENTS - 53 credits				
Course	Number	Course Title	Credits	Grade	Course	Number	Course Title	Credits	Grade
<b>First Year Experience (F)</b>					1 credit				
UNIV	189 <sup>1</sup>	Skills for Academic Success	1		CSCI	160	Computer Science I	4	
<b>Communication (C)</b>					12 credits	CSCI	213	Modern Software Development	3
ENGL	110 <sup>2</sup>	College Composition I	3		CSCI	222	Discrete Mathematics	3	
ENGL	120 <sup>2</sup>	College Composition II	3		CSCI	313	Software Development for Games	3	
COMM	110	Fundamentals of Public Speaking	3		CSCI	336	Theoretical Computer Science II	3	
ENGL	321 or 324	(Upper-Division Writing)	3		CSCI	366	Files for Database Systems	3	
<b>Quantitative Reasoning (R)</b>					3 credits	CSCI	372	Comparative Programming Languages	3
MATH	165	Calculus I	4		CSCI	374	Computer Organization & Architecture	3	
<b>Science &amp; Technology (S) (One course w/ co-requisite lab)</b>					10 credits	CSCI	415	Networking and Parallel Computation	3
						CSCI	445*	Software Projects: Capstone	3
						CSCI	467	Algorithm Analysis	3
						CSCI	474	Operating Systems Concepts	3
<b>Humanities &amp; Fine Arts (A) (Max of 3 cr in fine arts perform)</b>					6 credits	CSCI	489*	Social Implications of Computers	3
					3				
					3				
<b>Social &amp; Behavioral Sciences (B)</b>					6 credits				
					3				
					3				
<b>Wellness (W)</b>					2 credits				
					2				
<b>Cultural Diversity (D)</b>						CSCI	413	Principles of Software Engineering	3
						CSCI	477	Object-Oriented Systems	3
						CSCI	488	Human-Computer Interaction	3
<b>Global Perspectives (G)</b>									
<b>COLLEGE REQUIREMENTS for a BS Degree</b>									
The College of Science & Mathematics requires an additional 6 credits in Humanities or Social Sciences for the BS degree.									
BS Degree Requirements:									
HUM or Soc Sci			3			CSCI	418	Simulation Models	3
HUM or Soc Sci			3			CSCI	453	Linear Programming and Network Flows	3
<b>DEPARTMENT REQUIREMENT</b>						CSCI	454	Operations Research	3
HUM or Soc Sci			3						
1 <sup>Students transferring in 24 or more credits do not need to take UNIV 189.</sup>									
2 <sup>ACT score of ≥ 21 will determine English placement and the awarding of credit. Refer to English placement guidelines for additional information.</sup>									
A grade of C or better is required for all CSCI courses.									
ALL COURSES ON THIS CURRICULUM ARE REQUIRED FOR THE MAJOR									
COMPUTER SCIENCE CURRICULUM - Continued on the back									

Advisor: \_\_\_\_\_

**COMPUTER SCIENCE - Fall 2011 CONTINUED**