



# STONE CHILD COLLEGE

## ***AS Computer Science – Information Systems***

### **PHILOSOPHY:**

The Information Systems program is designed to provide the basic education and foundation in the information systems field. Students will be provided with a wide range of skills to solve a variety of problems in the technology field. The curriculum introduces students to the fundamentals of information technology, basic programming, database, networking, information security, web site development and operating systems. Upon completion students will be prepared for entry level information systems positions.

### **EXPECTED LEARNER OUTCOMES:**

Students will:

1. Utilize computer skills, such as Excel, Access, Word, Power Point to organize, manage, interpret and communicate information.
2. Demonstrate entry level knowledge of the terminology of computers and information systems.
3. Demonstrate the basic knowledge of personal computer repair and maintenance.
4. Demonstrate the basic knowledge of networking.
5. Demonstrate the fundamentals of programming.
6. Demonstrate the ability to apply the skills of the Information Systems degree in preparation of culturally- and/or tribally-relevant information systems.

### **COURSE REQUIREMENTS:**

Students will complete the GENERAL EDUCATION and the PROFESSIONAL CORE degree requirements as outlined in the appropriate sections with these specific courses required for completion of General Education.

GENERAL EDUCATION		34 CREDITS
ART 110: Art Appreciation (3 credits) <b>or</b>		
MUS 110: Music Appreciation (3 credits)		
BIOS 101: General Biology with Lab or CHMY 141: General Chemistry (4 credits)		
CAPP 120: Introduction to Computers (3 credits)		
WRIT 101: College Writing I (3 credits)		
WRIT 201: College Writing II (3 credits)		
HUM 201: Humanities (3 credits) <b>or</b>		
HUM 213: Chippewa Cree Religion & Philosophy (3 credits) <b>or</b>		
HUM 220: Cultural Anthropology (3 credits) <b>or</b>		
NAS 262: Contemporary Issues in American Indian Life (3 credits)		
M 121: College Algebra (3 credits)		
NAS 101: History of Indians in the U.S. (3 credits)		
NASX 100: Cree Language I (3 credits) <b>or</b>		
NASX 105: Cree Language II (3 credits) <b>or</b>		
NASX 115: Chippewa Language I (3 credits)		
PROFESSIONAL CORE		33 CREDITS
ACTG 201: Principles of Financial Accounting (3 credits)		



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ACTG 205: Computerized Accounting 1 (3 credits)	
CAPP 151: MS Applications (3 credits)	
CAPP 158: Microsoft Access (3 credits)	
CAPP 266: Microsoft Excel (3 credits)	
CSCI 141: Introduction to Networking (3 credits)	
CSCI 155: Introduction to Java (3 credits)	
CSCI 161: PC Hardware & Maintenance (3 credits)	
CSCI 185: Web Development (3 credits)	
CSCI 221: Introduction to Systems Analysis (3 credits)	
CSCI 241: Introduction to Visual Basic (3 credits)	
<b>TOTAL CREDIT REQUIREMENTS</b>	<b>67 CREDITS</b>