

INFORMATION TECHNOLOGY DEPARTMENT

Bachelor of Science Degree in Information Technology

Core Requirements: (28 Credit Hours)		Cr Hr	Where Taken	Date	Grade
Engl 103	Freshman English I	3	_____	_____	_____
Engl 113*	Freshman English II	3	_____	_____	_____
MIS 113	Applied Information Processing	3	_____	_____	_____
SpCm 103	Speech Communications	3	_____	_____	_____
Math 154*	College Algebra (or above)	4	_____	_____	_____
_____	Science Elective	3	_____	_____	_____
_____	Literature Elective	3	_____	_____	_____
Psy 103	General Psychology	3	_____	_____	_____
_____	Humanities Elective	3	_____	_____	_____

Lakota Studies Requirements: (15 Credit Hours)

Lak 103	Lakota Language I	3	_____	_____	_____
Lak 233*	Lakota Language II	3	_____	_____	_____
Lsoc 103	Lakota Culture		_____	_____	_____
_____	(or LHist 203 Lakota History I)	3	_____	_____	_____
_____	Lakota Studies Elective	3	_____	_____	_____
_____	Lakota Studies Elective	3	_____	_____	_____

IT Core Requirements (24 Credit Hours)

Sci 113*	Technical Writing	3	_____	_____	_____
IT 153*	Survey of Operating Systems	3	_____	_____	_____
IT 203*	Programming	3	_____	_____	_____
IT 224*	PC Design and Assembly	4	_____	_____	_____
IT 243*	Introduction to Networks	3	_____	_____	_____
Math 263*	Discrete Structures	3	_____	_____	_____
IT 273*	Business Information Systems Management	3	_____	_____	_____
IT 290a	Internship in Information Technology	1	_____	_____	_____
IT 290b	Internship in Information Technology	1	_____	_____	_____

Program Electives (18 Credit Hours)

IT 103	Theory of Computational Devices	3	_____	_____	_____
GIS 313	Applications of GIS	3	_____	_____	_____
GIS 313	Remote Sensing	3	_____	_____	_____
EnS 213	Scientific Application of		_____	_____	_____
	Spreadsheets and Databases	3	_____	_____	_____
Math 194*	Calculus I	4	_____	_____	_____
Bad 253	Principles of Management	3	_____	_____	_____
Bad 343*	Decision Support Systems	3	_____	_____	_____
IT 303*	Introduction to UNIX	3	_____	_____	_____
IT 313*	UNIX Shell Programming	3	_____	_____	_____
IT 353*	Internet Technologies	3	_____	_____	_____
IT 383*	Current Topics in Information Technology	3	_____	_____	_____
IT 393*	Implementing and Administrating Mail Servers	3	_____	_____	_____
IT 443*	Advanced UNIX	3	_____	_____	_____
IT 402*	MCSE Certification Core Test #1	2	_____	_____	_____
IT 412*	MCSE Certification Core Test #2	2	_____	_____	_____
IT 422*	MCSE Certification Core Test #3	2	_____	_____	_____
IT 432*	MCSE Certification Elective Test #1	2	_____	_____	_____
IT 442*	MCSE Certification Elective Test #2	2	_____	_____	_____
_____	MIS or IT Elective	2	_____	_____	_____

Students who major in Information Technology are expected to choose one of two areas of emphasis. The areas of emphasis are Information Technology or Management Information Systems

Option One - Information Technology (39 Credit Hours)

IT 134*	A+ Certification	4	_____
IT 253*	Supporting Workstations	3	_____
IT 323*	Command Line Interface	3	_____
IT 333*	Network Administration	3	_____
IT 343*	Application Software TnT	3	_____
IT 363*	Implementing and Administrating Web Servers	3	_____
IT 373*	Web Design Fundamentals	3	_____
IT 404*	Network Protocols	4	_____
IT 423*	Supporting Network Operating Systems	3	_____
IT 453*	Network Security	3	_____
IT 474*	Network Analysis	4	_____
IT 490a	Internship in Information Technology	1	_____
IT 490b	Internship in Information Technology	1	_____
_____	MIS or IT Elective	2	_____

Option Two - Management Information Systems (39 Credit Hours)

MIS 143*	Introduction to Spreadsheets	3	_____
MIS 213*	Concepts of Database Management	3	_____
MIS 333*	Database Development and Design I	3	_____
MIS 343*	E-Commerce Technology	3	_____
MIS 374*	Structured Query Language and Reporting	4	_____
MIS 413*	Systems Analysis and Design	3	_____
MIS 423*	Database Development and Design II	3	_____
IT 303*	Introduction to UNIX	3	_____
IT 323*	Command Line Interface	3	_____
IT 373*	Web Design Fundamentals	3	_____
IT 383*	Current Topics in Information Technology	3	_____
IT 490a	Internship in Information Technology	1	_____
IT 490b	Internship in Information Technology	1	_____
Math 313*	Applied Statistics	3	_____
_____	MIS or IT Elective	2	_____

124 Credit Hours Total

INFORMATION TECHNOLOGY DEPARTMENT

Associate of Arts Degree in Information Technology

Core Requirements: (25 Credit Hours)	Cr Hr	Where Taken	Date
Grade			
CoSu103 College Success	3	_____	
Engl 103 Freshman English I	3	_____	
Sci 113* Technical Writing	3	_____	
SpCm 103 Speech Communications	3	_____	
Math 154* College Algebra (or above)	4	_____	
_____ Science Elective		_____	
_____ Humanities Elective		_____	
Psy 103 Psychology	3	_____	
Lakota Studies Requirements: (9 Credit Hours)			
Lak 103 Lak. Language I	3	_____	
Lsoc 103 Lakota Culture		_____	
_____ (or LHist 203 Lakota History I)	3	_____	
_____ Lakota Studies Elective	3	_____	
IT Professional Requirements (24 Credit Hours)			
IT 103 Theory of Computational Devices	3	_____	
IT 153* Survey of Operating Systems	3	_____	
IT 203* Programming	3	_____	
IT 224* PC Design and Assembly	4	_____	
IT 243* Introduction to Networks	3	_____	
Math263* Discrete Structures	3	_____	
IT 273* Business Information Systems Management	3	_____	
IT 290a Internship in Information Technology	1	_____	
IT 290b Internship in Information Technology	1	_____	
Choose One of the Following Options			
Option One - Information Technology			
IT 134* A+ Certification	4	_____	
IT 253* Supporting Workstations	3	_____	
Option Two - Management Information Systems			
MIS 143* Introduction to Spreadsheets	3	_____	
MIS 213* Concepts of Database Management	3	_____	
	64	Credit Hours Total	

INFORMATION TECHNOLOGY DEPARTMENT
Associate of Applied Science in Office Software Applications
 (Updates and Replaces the A.A.S. Degree in Business Computers)
 (Terminal Vocational Degree)

CORE REQUIREMENTS (18 credits)	Cr Hrs	Where Taken	Date
Grade			
CoSu 103* College Success	3	_____	_____
Engl 103* Freshman English I	3	_____	_____
Engl 113* Freshman English II	3	_____	_____
SpCm 103 Speech Communication	3	_____	_____
Math 103* Elementary Algebra (or higher)	3	_____	_____
_____ Social Science Elective	3	_____	_____
LAKOTA STUDIES REQUIREMENTS (6 credits)			
Lak 103 Lakota Language I	3	_____	_____
_____ Lakota Studies Elective	3	_____	_____
PROFESSIONAL REQUIREMENTS (30 credits)			
IT 103 Theory of Computational Devices	3	_____	_____
OEd 103 Keyboarding	3	_____	_____
MIS 113 Applied Information Processing	3	_____	_____
OEd 123* Word Processing I	3	_____	_____
SCI 113 Technical Writing	3	_____	_____
MIS 143* Introduction to Spreadsheets	3	_____	_____
IT 153* Survey of Operating Systems	3	_____	_____
MIS 193* Fundamentals of Computer Publishing	3	_____	_____
MIS 243* Data Base Applications & Design	3	_____	_____
IT 273* Business Information Systems Management	3	_____	_____
PROFESSIONAL ELECTIVES (6 credits)			
Choose two courses			
(Any 100 - 200 level IT, MIS, OEd, BAd courses)			
_____	3	_____	_____
_____	3	_____	_____
60		Credit Hours Total	

INFORMATION TECHNOLOGY DEPARTMENT
One-Year Certificate in Office Software Applications
(Terminal Vocational Degree)

CORE REQUIREMENTS (18 credits)	Cr Hrs	Where Taken	Date
Grade			
CoSu 103* College Success	3		
Engl 103* Freshman English I	3		
Math 103* Elementary Algebra (or higher)	3		
 LAKOTA STUDIES REQUIREMENTS (6 credits)			
Lak 103 Lakota Language I	3		
_____ Lakota Studies Elective	3		
 PROFESSIONAL REQUIREMENTS (30 credits)			
OEd 103 Keyboarding	3		
MIS 113 Applied Information Processing	3		
OEd 123* Word Processing I	3		
 PROFESSIONAL ELECTIVES (6 credits)			
Choose two courses			
(Any 100 - 200 level IT, MIS, OEd, BAd courses)			
_____	3		
_____	3		
	30	Credit Hours Total	