

**MATH, SCIENCE AND TECHNOLOGY DEPARTMENT
BACHELOR OF SCIENCE DEGREE IN INFORMATION TECHNOLOGY**

1. Core Requirements: (28 Credit Hours)

	Cr.	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	_____	_____	_____

2. Lakota Studies Requirements: (15 Cr Hrs)

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	_____	_____	_____

3. IT Professional Core (51 Credit Hours)

Sci 113 Technical Writing	3	_____	_____	_____
IT-133 A+ (A+ Certification)	3	_____	_____	_____
Math 263* Discrete Structures	3	_____	_____	_____
IT 153 Survey of Operating Systems	3	_____	_____	_____
IT 203* Programming	3	_____	_____	_____
IT 243* Introduction to Networking	3	_____	_____	_____
IT 273* Information Systems Management	3	_____	_____	_____
IT 303* Introduction to UNIX/Linux	3	_____	_____	_____
IT 313* UNIX/Linux Shell Programming	3	_____	_____	_____
IT 323* Command Line Interface	3	_____	_____	_____
IT 333* Network Administration	3	_____	_____	_____
IT 403* Network Protocols	3	_____	_____	_____
IT 413* Wireless Communications	3	_____	_____	_____
IT 453* Network Security	3	_____	_____	_____
IT 473* Network Analysis	3	_____	_____	_____
IT 493a* Senior Project I	3	_____	_____	_____
IT 493b* Senior Project II	3	_____	_____	_____

2017-2018 Catalog

4. IT Electives (choose 18 Credit Hours)

- SoSc 313* Statistics for the Social Science
- GIS 213 Introduction to GIS
- GIS 313* Applications of GIS**
- GIS 323* Remote Sensing
- IT 343* Application Software TnT
- IT 353* Internet Technologies
- IT 363* Implementing & Admin. WebServers
- IT 373* Web Design Fundamentals
- IT 383* Current Topics in IT
- IT 393* Implementing & Admin. Mail Servers
- IT 423* Network Operating Systems & Virtualization
- IT 443* Advanced UNIX/Linux

3
3
3
3
3
3
3
3
3
3
3
3

5. Free Electives (9 Credit Hours)

3
3
3

* Course has a prerequisite course. Prerequisite course(s) must be enrolled sequentially.

Total Credit Hours = 121

