

**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)

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|--|---|-------|-------|-------|
| 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)

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|--|---|-------|-------|-------|
| 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 | _____ | _____ | _____ |

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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

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5. Free Electives (9 Credit Hours)

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

Total Credit Hours = 121

