

**DEPARTMENT OF MATH AND SCIENCE**  
**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (IT)**

**1. Core Requirements: (28 Credit Hours)**

|           |                                |   |       |
|-----------|--------------------------------|---|-------|
| 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 | _____ |
| T 203    | Programming                           | 3 | _____ |
| IT 243   | Networks (N+ Certification)           | 3 | _____ |
| IT 273   | IT Project 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 (SCNP Certification) | 3 | _____ |
| IT 473   | Network Analysis                      | 3 | _____ |
| IT 493a  | Senior Project I                      | 3 | _____ |
| IT 493b  | Senior Project II                     | 3 | _____ |

**4. IT Electives (26 Credit Hours)**

|               |                                      |   |       |
|---------------|--------------------------------------|---|-------|
| SoSc 313      | Statistics for the Social Science    | 3 | _____ |
| IT 363        | Implementing and Adm Web Servers     | 3 | _____ |
| IT 373        | Web Design Fundamentals              | 3 | _____ |
| IT 383        | Current Topics in Information Tech   | 3 | _____ |
| IT 423        | Network Virtualization               | 3 | _____ |
| IT 402        | Cert. Cram Session in Curr. Tech. #1 | 3 | _____ |
| IT 412        | Cert. Cram Session in Curr. Tech. #2 | 3 | _____ |
| IT 422        | Cert. Cram Session in Curr. Tech. #3 | 3 | _____ |
| IT 443        | Advanced UNIX/Linux                  | 3 | _____ |
| Free Elective | _____                                | 3 | _____ |
| Free Elective | _____                                | 3 | _____ |
| Free Elective | _____                                | 3 | _____ |
| Free Elective | _____                                | 3 | _____ |

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