# Navajo Technical University

Name: _____          ID#:_____

## Certificate –Information Technology Assistant Requirements 32-33 Credits

The IT certificate is designed to ensure a thorough knowledge of information systems and includes general practice using contemporary technologies in troubleshooting, problem solving, organization, customer support, analysis, evaluation, communication, and transmission of information. The certificate fosters communication skills through interpersonal and group interaction, opportunities through appropriate collaborative and active learning projects and experiences. Students who successfully complete the certificate program may continue in the program to complete requirements for an associate degree as an Information Technology Technician.

| GENERAL EDUCATION REQUIREMENTS | | Credits | Prerequisites | Semester/Transfer | Grade |
|---|---|---|---|---|---|
| ENGL 1110 or ENGL 1210 | Composition I or Technical Communications | 3 | ENGL100 or satisfactory placement scores | | |
| MATH 11220 | College Algebra | 4 | MATH 1215 | | |
| IT 105 | Introduction to Programming | 3 | | | |
| IT 120 | Operating Systems | 3 | | | |
| IT 150 | Introduction to System Administration | 3 | | | |
| SSC 100 | College Success Skills | 1 | | | |
| **Semester TWO** | | **Credits** | | | |
| Dine Studies | NAVA 1110, NAVA 2210, or NAVA 2230 | 3-4 | | | |
| BCIS 1115 or IT XXX | Introduction to Computers/Lower Division IT Elective | 3 | | | |
| IT 218 | Algorithms and Data Structures | 3 | Grade of C or better in IT 105 | | |
| IT 262 | Internetworking | 3 | Grade of C or better in IT 150 | | |
| IT 290 or IT 280 | Big Data Project Management or IT Project Management | 3 | Co-requisite IT 218 Pre-Requisites-Grade of C or better in IT 120, IT 150, IT 218, ENGL 1210/1110 | | |
| **TOTAL REQUIRED CREDIT HOURS** | | **32-33** | | | |

| Lower Division Electives | | Co/Prerequisites | Credit Hours |
|---|---|---|---|
| **IT-110** | **Introduction to Digital Logic/Hardware Programming** | | **3** |
| **IT-111** | **Human Computer Interaction** | | **3** |
| **IT-112** | **Photography** | | **3** |
| **IT-115** | **Drawing and Visual Culture** | | **3** |
| **IT-118** | **Introduction to C++** | | **3** |
| **IT-120** | **Operating Systems** | | **3** |
| **IT-121** | **Database Systems and Data Preparation** | | **3** |
| **IT-125** | **Introduction to Digital Video** | | **3** |
| **IT-200** | **Sound Design** | | **3** |
| **IT-212** | **Documentary** | | **3** |
| **IT-215** | **Motion Graphics** | | **3** |
| **IT-275** | **Media Criticism** | | **3** |
| **IT-195/295** | **Topics in Information Technology** | | **1-3** |

| | Signatures | Date |
|---|---|---|
| Student: | | |
| Advisor: | | |
| Registrar: | | |
| Graduation Date: | | |