

Navajo Technical University

Name: _____

ID#: _____

Bachelor of Applied Science Degree – Information Technology (120 Credits)

| INFORMATION TECHNOLOGY PROGRAM | | | | | |
|---------------------------------------|--|----------------|---------------------|--------------------------|--------------|
| Semester FIRST | | CREDITS | Prerequisite | Semester/Transfer | Grade |
| ENG 110 | Freshman Composition | 3 | ENG098 | | |
| MTH 121 | College Algebra | 4 | MTH120 | | |
| IT 115 | Drawing/ Visual Culture | 3 | | | |
| IT 105 | Introduction to Programming | 3 | | | |
| IT 110 | Introduction to Digital Logic/Hardware Programming | 3 | | | |
| Semester TWO | | | | | |
| ENG 112 | Technical Research and Writing | 3 | | | |
| MTH 123 | Trigonometry | 4 | | | |
| IT 125 | Introduction to Digital Video | 3 | | | |
| IT 142 | Web Design Concepts | 3 | | | |
| IT 150 | Introduction to System Administration | 3 | | | |
| Semester THREE | | | | | |
| HUM 170 | History of Native Americans in Media | 3 | | | |
| MTH 162 | Calculus I | 4 | | | |
| IT 220 | Database Design | 3 | | | |
| IT 218 | Algorithms & Data Structures | 3 | | | |
| IT 222 | Computer Security | 3 | | | |
| Semester FOUR | | | | | |
| NAVXXX | Dine Studies | 3 | | | |
| HUMXXX | Humanities/Social Science Course | 3 | | | |
| IT 280 | IT Project Management | 3 | | | |
| IT 260 | Internetworking | 3 | IT106 | | |
| IT 270 | Web Standards | 3 | IT142 | | |
| Semester FIVE | | | | | |
| HUMXXX | Humanities/Social Science Course | 3 | | | |
| PHY 111 | Algebra Based Physics | 4 | | | |
| IT 315 | Multicore Programming | 4 | IT250 | | |
| IT 332 | Network Security | 4 | | | |
| Semester SIX | | | | | |
| HUMXXX | Humanities/Social Science Course | 3 | | | |
| SCIENCE | Science Course | 4 | | | |
| IT 375 | Javascript Core Skills | 4 | IT270 | | |
| IT 405 | Cluster Maintenance/Management | 4 | | | |
| Semester SEVEN | | | | | |
| CMP 101 | Introduction to Computers/ Elective | 3 | | | |
| IT 435A | HPC/Parallel Computing | 3 | | | |
| IT 440A | Advanced Technology Security | 3 | | | |
| IT 472A | Web App Development | 3 | | | |
| IT 485A | Advanced Technology Administration | 3 | | | |
| Semester EIGHT | | | | | |
| IT 435B | HPC/Parallel Computing | 3 | | | |
| IT 440B | Advanced Technology Security | 3 | | | |
| IT 472B | Web App Development | 3 | | | |
| IT 485B | Advanced Technology Administration | 3 | | | |
| TOTAL CREDIT HOURS REQUIRED | | 120 | | | |

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