**IST Network Engineer**

**Catalog Year: 2023-2024**

**Developmental Requirements: Satisfy/Finish MTE 3 AND Satisfy/Finish ENF 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade/SemesterCompleted |  | Course # |  | Course title | Credits |
| **First Semester** |  |  |  |  |  |
| / |  | AST 114 |  | Keyboarding for Information Processing | 2 |
| / |  | ITP 100 |  | Software Design | 3 |
| / |  | ITE 221 |  | PC Hardware & OS Architecture | 3 |
| / |  | ITN 154 |  | Network Fundamentals, Router Basics,& Configuration (ICND1) - Cisco | 4 |
| / |  | MTH 130 |  | Fundamentals of Reasoning(or approved sub) | 3 |
| / |  | SDV 100 |  | College Success Skills | 1 |
|  |  |  |  | **Total** | **16** |
| **Second Semester** |  |  |  |  |  |
| / |  | ITN 260  |  | Network Security Basics | 3 |
| / |  | BUS 236 |  | Communication in Management | 3 |
| / |  | ECO 120 |  | Survey of Economics | 3 |
| / |  | ITN 102 |  | Intro to Networked Client Operating Systems (LAN) | 3 |
| / |  | ITN 155 |  | Switching, Wireless, & WAN Technologies (ICND2) - Cisco | 4 |
|  |  |  |  | **Total** | **16** |
| **Third Semester** |  |  |  |  |  |
| / |  | ENG 131 |  | Technical Report Writing I | 3 |
| / |  | ETR 149 |  | PC Repair | 3 |
| / |  | HLT/PED |  | Wellness Elective | 1 |
| / |  | HUM  |  | Humanities Elective | 3 |
| / |  | ITN 103 |  | Administration of Networked Servers | 4 |
| / |  | ITN 156 |  | Basic Switching & Routing - Cisco | 4 |
|  |  |  |  | **Total** | **18** |
| **Fourth Semester** |  |  |  |  |  |
| / |  | ITN 254 |  | Virtual Infrastructure: Installation & Configuration | 4 |
| / |  | ITN 104 |  | Maintaining Servers in theNetworked Infrastructure | 4 |
| / |  | ITN 157 |  | WAN Technologies - Cisco | 4 |
| / |  | ITN 209 |  | Voice Over Internet Protocol | 3 |
|  |  |  |  | **Total** | **15** |
|  |  |  |  |
| **Total Completed** |  |  | **65** |

**Total Minimum Credits for the A.A.S. Degree in Information Systems Technology - Network Specialization……..6**5