IST Network Engineer - Cyber & Network Security Specialization

Catalog Year 2023-2024

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Grade/Semester  Completed |  | Course # |  | Course title | Credits |
| **First Semester** |  |  |  |  |  |
| / |  | HUM |  | Humanities Elective | 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** | **14** |
| **Second Semester** |  |  |  |  |  |
| / |  | ITN 260 |  | Network Security Basics | 3 |
| / |  | BUS 236 |  | Communications in Management | 3 |
| / |  | ECO 120 |  | Survey of Economics | 3 |
| / |  | ITN 103 |  | Administration of Networked Servers | 4 |
| / |  | ITN 155 |  | Switching, Wireless, & WAN Technologies (ICND2) - Cisco | 4 |
|  |  |  |  | **Total** | **17** |
| **Third Semester** |  |  |  |  |  |
| / |  | ENG 131 |  | Technical Report Writing I | 3 |
| / |  | ITN 104 |  | Maintaining Servers in the Networked Infrastructure | 4 |
| / |  | ITN 263 |  | Internet/Intranet Firewalls & E-Commerce Security | 3 |
| / |  | ITN 261 |  | Network Attacks, Computer Crime, & Hacking | 3 |
| / |  | ITN 156 |  | Basic Switching & Routing - Cisco | 4 |
|  |  |  |  | **Total** | **17** |
| **Fourth Semester** |  |  |  |  |  |
| / |  | ITN 254 |  | Virtual Infrastructure: Installation & Configuration | 4 |
| / |  | ITN 262 |  | Network Communication, Security, and Authentication | 3 |
| / |  | ITN 157 |  | WAN Technologies - Cisco | 4 |
| / |  | ITN 209 |  | Voice Over Internet Protocol | 3 |
| / |  | ITN 276 |  | Computer Forensics I | 3 |
|  |  |  |  | **Total** | **17** |
|  |  |  |  |  |  |
|  |  |  | | |  |
| **Total Completed** |  |  | | | **65** |

MTE 9 and ENF 3 are prerequisites.