

COMPUTER INFORMATION TECHNOLOGY - INFRASTRUCTURE SPECIALIST III, CERTIFICATE OF ACHIEVEMENT (LEVEL III)

NMC Code 024

After completing the Infrastructure Specialist II Certificate students may elect to obtain a Level III certificate. This certificate prepares students for additional skills and knowledge in areas such as cybersecurity. The content in this certificate prepares students for the following additional internationally recognized certifications.

- CompTIA Security+®
- CompTIA PenTest+®
- CompTIA CySA+®
- CompTIA CASP+®

PROGRAM NOTE

- Completion of this certificate may lead to an AAS degree in CIT-Infrastructure and Security by taking additional courses. See an advisor for details.

Requirements

Certificate Requirements

| Course | Title | Credits |
|---|--|-----------|
| Complete Level II Certificate Requirements | | 34 |
| For CompTIA Security+® | | |
| CIT 240 | Network Security Management ¹ | 3 |
| For CompTIA PenTest+® Certification | | |
| CIT 263 | Security ASMT. and Compliance | 3 |
| For CompTIA CySA+® Certification | | |
| CIT 264 | Security Analytics & Assurance | 3 |
| For CompTIA CASP+® Certification | | |
| CIT 266 | Advanced Enterprise Security | 3 |
| Occupational Requirements | | |
| CIT 290 | CIT Internship ² | 3 |
| Total Credits | | 49 |

¹ Microsoft Technology Associate certification exam included.

² Students planning to take the internship class require department approval and are required to have a GPA of 3.0 in their CIT classes. It is also recommended that students have 20 credits in CIT classes and an overall GPA of 2.0. *While a 3.0 GPA in CIT classes is required for this internship, an alternative, campus-based internship opportunity is available for students who do not meet this requirement.*

Course Sequence Guide

| Course | Title | Credits |
|----------------------|--|-----------|
| Year 1 | | |
| Fall | | |
| CIT 110 | Programming Logic and Design | 3 |
| CIT 112 | Scripting and Automation ¹ | 3 |
| CIT 160 | Cisco Internetworking I | 3 |
| CIT 161 | Cisco Internetworking II | 3 |
| CIT 213 | Networking Technologies ¹ | 4 |
| Credits | | 16 |
| Spring | | |
| CIT 215 | Windows Server Environment | 3 |
| CIT 256 | Linux Administration | 3 |
| CIT 240 | Network Security Management ¹ | 3 |
| CIT 260 | Cisco Internetworking III | 3 |
| Credits | | 12 |
| Year 2 | | |
| Fall | | |
| CIT 246 | Windows Server Infrastructure | 3 |
| CIT 263 | Security ASMT. and Compliance | 3 |
| CIT 264 | Security Analytics & Assurance | 3 |
| Credits | | 9 |
| Spring | | |
| CIT 243 | Cloud Technologies | 3 |
| CIT 247 | Enterprise Solutions ¹ | 3 |
| CIT 266 | Advanced Enterprise Security | 3 |
| CIT 290 | CIT Internship ² | 3 |
| Credits | | 12 |
| Total Credits | | 49 |

¹ Microsoft Technology Associate certification exam included.

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