

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 and cloud computing.

The content in this certificate prepares students for the following additional internationally recognized certifications.

- Certiport Information Technology Specialist - Cybersecurity
- CompTIA PenTest+ ® Certification
- CompTIA CySA+ ® Certification
- CompTIA CASP+ ® Certification
- Microsoft AZ-800 ® Certification

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 Microsoft AZ-800 Certification | | |
| CIT 249 | Hybrid Cloud Technologies | 3 |
| For CompTIA PenTest+® Certification | | |
| CIT 263 | Cybersecurity Penetration Testing | 3 |
| For CompTIA CySA+® Certification | | |
| CIT 264 | Cybersecurity Analytics and Threat Analysis | 3 |
| For CompTIA CASP+ ® Certification | | |
| CIT 266 | Advanced Enterprise Security ¹ | 3 |
| Occupational Requirements | | |
| CIT 290 | CIT Internship ² | 3 |
| Total Credits | | 49 |

1

Certiport Information Technology Specialist 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 135 | Introduction to Programming Using Python ¹ | 3 |
| CIT 112 | Scripting and Automation | 3 |
| CIT 160 | Cisco Internetworking I | 3 |
| CIT 161 | Cisco Internetworking II | 3 |
| CIT 213 | Networking Technologies ¹ | 4 |
| Credits | | 16 |
| Spring | | |
| CIT 215 | Server Technologies | 3 |
| CIT 240 | Network Security Management ¹ | 3 |
| CIT 256 | Linux Administration | 3 |
| CIT 260 | Cisco Internetworking III | 3 |
| Credits | | 12 |
| Year 2 | | |
| Fall | | |
| CIT 243 | Cloud Technologies ¹ | 3 |
| CIT 247 | Windows Identity & Policy | 3 |
| CIT 263 | Cybersecurity Penetration Testing | 3 |
| CIT 264 | Cybersecurity Analytics and Threat Analysis | 3 |
| Credits | | 12 |
| Spring | | |
| CIT 249 | Hybrid Cloud Technologies | 3 |
| CIT 266 | Advanced Enterprise Security ¹ | 3 |
| CIT 290 | CIT Internship ² | 3 |
| Credits | | 9 |
| Total Credits | | 49 |

1

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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.*