

| Computer, Engineering/Manufacturing Industrial Technologies | | | |
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| Curriculum Code: 1469 (Effective Fall 2018 – Summer 2023) | Cisco Certified Network Associate Certification Preparation (CCNA), C.C. Pathway | | |
| The Cisco Certified Network Associate Certification Preparation (CCNA) curriculum prepares students for the CCNA certification exam. CCNA is the industry standard foundational certification for networking careers. This curriculum provides a highly concentrated training experience in computer networking and is designed for retraining and professional development. Students completing this certificate may use the credits towards the Computer Networking and Cybersecurity Associate in Business Degree (1453). | | | |
| For More Information Contact the Computer Information Technologies Program in the West Campus Building, Room M103, telephone number (517) 267-6406 or Academic Advising Department, Gannon Building – StarZone, telephone number (517) 483-1904. | | | |
| Semester I | Course Title | Prerequisites | Credit/Billing Hours |
| Program of Study Requirements <i>Students in this curriculum will be allowed to waive the prerequisite for CITN 220 and CITN 222 based on documented proof of A+ certification. If students do not have A+ certification, they will need to take CITS 125 as their elective.</i> | | | |
| CITN 220 <i>(1st 8 weeks)</i> | Introduction to Networks | Minimum 2.0 in CITS 125 and Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106) | 3 / 3 |
| CITN 225 <i>(2nd 8 weeks)</i> | Routing & Switching Essentials | Minimum 2.0 in (CITN 220 within 2 years or concurrently) and Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106) | 3 / 3 |
| Electives - <i>Select 1 or 2 courses for a total of 6 credits</i> | | | |
| CITN 120 | Networking Concepts | Reading Level 4 and Writing Level 4 | 3 / 3 |
| CITN 222 | Wireless Networking & Security | Minimum 2.0 in CITS 125 and Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106) | 3 / 3 |
| CITN 244 | Securing Networking Devices | Minimum 2.0 in CITN 225 and Reading Level 5 and Writing Level 6 and Math Level 4 | 3 / 3 |
| CITS 125 | Computer Support: A+ Cert Prep | Reading Level 5 and Writing Level 4 and (Math Level 3 or minimum 2.0 in MATH 105 or MATH 106) | 6 / 6 |
| Credits | | | 12 / 12 |

| Semester II | Course Title | Prerequisites | Credit/Billing Hours |
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| Program of Study Requirements | | | |
| CITN 240 <i>(1st 8 weeks)</i> | Scaling Networks | Minimum 2.0 in (CITN 225 within 2 years) and Reading Level 5 and Writing Level 6 and Math Level 4 | 3 / 3 |
| CITN 245 <i>(2nd 8 weeks)</i> | Connecting Networks | Minimum 2.0 in (CITN 240 within 2 years or concurrently) and Reading Level 5 and Writing Level 6 and Math Level 4 | 3 / 3 |
| Credits | | | 6 / 6 |
| Total Credits | | | 18 / 18 |