Course Title:
Network Basics

Catalog Description:
Network Basics teaches the fundamentals of networking. This course explores how devices communicate on a network, network addressing and network services, how to build a home network and configure basic security, the basics of configuring Cisco devices, and testing and troubleshooting network problems.

Prerequisites or Necessary Entry Skills/Knowledge:
None

Fulfills MN Transfer Curriculum Area(s) (Leave blank if not applicable)
☐ Goal 1: Communication: By meeting the following competencies:
☐ Goal 2: Critical Thinking: By meeting the following competencies:
☐ Goal 3: Natural Sciences: By meeting the following competencies:
☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
☐ Goal 7: Human Diversity: By meeting the following competencies:
☐ Goal 8: Global Perspective: By meeting the following competencies:
☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
☐ Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
- Getting online Content
- Network Protocols and Architecture
- Data Communications and Network Services
- Home Network Basics
- Introduction to Cisco Networking

Student Learning Outcomes
- Explain the concept of network communication.
| Explain the basic requirements for getting online. |
| Create a fully connected LAN. |
| Explain the DHCP address assignment process. |
| Configure an integrated wireless router and wireless client to connect securely to the internet. |
| Configure basic network security. |
| Troubleshoot basic network connectivity issues. |

**Is this course part of a transfer pathway:** Yes ☒ No ☐

*If yes, please list the competencies below*

Revised Date: 3/29/2022