

COMPUTER INFORMATION SYSTEMS

PATHWAYS CERTIFICATE – CISCO NETWORKING SECURITY SUPPORT TECHNICIAN,
MICROSOFT NETWORKING SUPPORT TECHNICIAN, SERVER ADMINISTRATOR

PREREQUISITES

Students should be digitally literate with the ability to use a Windows-based PC, including file management; use the Internet to locate information; and send and receive email. Also, students interested in any CIS certificate or degree should contact John Blackwood (541-440-7686, John.Blackwood@umpqua.edu) or Vincent Yip (541-440-7886, Vincent.yip@umpqua.edu) before enrolling in any CIS course.

CISCO NETWORKING SECURITY SUPPORT TECHNICIAN

CAREER DESCRIPTION

Students completing the courses necessary to earn the Cisco Networking Security Support Technician certificate will possess the skills needed to analyze, design, implement, and support Cisco routers and switches in a small- to medium-sized standalone or domain-based environment; and exhibit problem-solving and critical-thinking skills in an individual and/or team environment.

PROGRAM OUTCOMES

Students who successfully complete the Cisco Networking Support Technician Pathways Certificate will:

1. Analyze, design, implement and support basic network systems such as Cisco routers and switches
2. Exhibit problem-solving and critical thinking skills in an individual and/or team environment

NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

MICROSOFT NETWORKING SUPPORT TECHNICIAN

CAREER DESCRIPTION

Students completing the courses necessary to earn the Microsoft Networking Support Technician Support certificate will possess the skills needed to analyze, design, implement, and support computers running the Windows Server in a small- to medium-sized standalone or domain-based environment; and exhibit problem-solving and critical thinking skills in an individual and/or team environment.

PROGRAM OUTCOMES

Students who successfully complete the Microsoft Networking Support Technician Pathways Certificate will:

1. Provide traditional technical support to users in a Microsoft desktop and server environment
2. Exhibit problem-solving and critical-thinking skills in an individual and/or team environment.

SERVER ADMINISTRATOR

CAREER DESCRIPTION

This Pathway Certificate is a short-term educational goal aimed towards specific areas in Computer Information Systems. This certificate will address the need for a logical pathway of success for students. A student will be able to earn the certification and then continue seamlessly on to existing CIS courses. Those who are already employed in the profession that want to upgrade their server administration skills may also benefit from this certificate. This certificate may also lead to employment in server administration.

PROGRAM OUTCOMES

Students who successfully complete the Server Administrator Pathways Certificate will:

1. Be prepared for entry- or mid-level employment in Microsoft Windows Server administration
2. Develop new or upgrade existing server administration skills

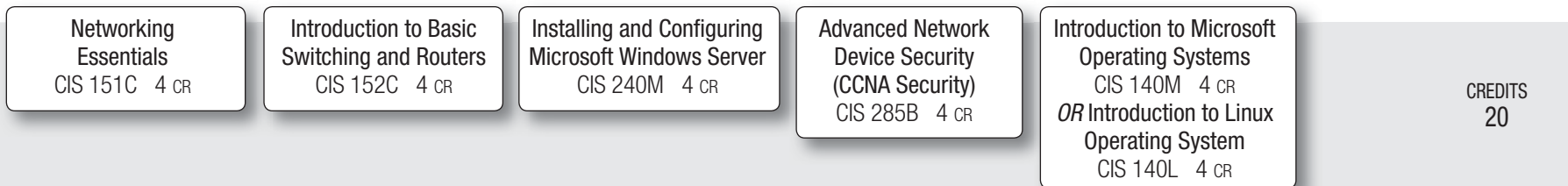
Please see an advisor for a degree planning worksheet for this program.

PATHWAYS CERTIFICATE — Cisco Networking Security Support Technician, Microsoft Networking Support Technician, Server Administrator

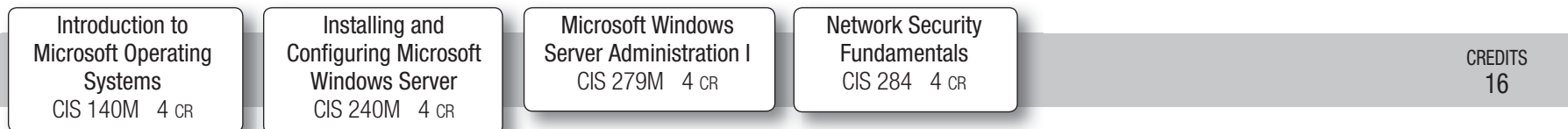
Recommended Sequence for Students (Students should see an advisor to customize their educational plan.)

SEQUENCE

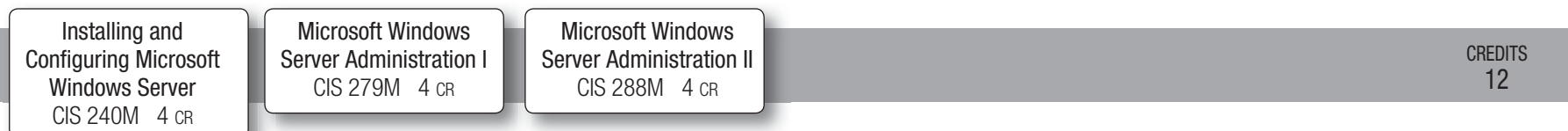
Cisco Networking Security Support Technician



Microsoft Networking Support Technician



Server Administrator



NOTES

Scheduling requirements may prevent all courses from being offered every term. Consultation with an advisor is critical to student's selection of courses.

Please see an advisor for a degree planning worksheet for this program.