

# NETWORK AND SYSTEM ADMINISTRATION - INTERMEDIATE TECHNICAL CERTIFICATE (ITC)

Explore More About This Program: <https://cwi.edu/program/network-and-system-administration>

## Certificate Quick Facts

- **Instructional School:** Science, Technology, and Math
- **Department:** Computer Science and Information Technology
- **Program Code:** NADM.ITC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

## Certificate Requirements

Course	Course Title	Min Credits
<b>General Education Requirements</b>		
Select one of the following:		3
<a href="#">GEM 1 - Written Communication course</a>		
<a href="#">GEM 2 - Oral Communication course</a>		
<a href="#">GEM 3 - Mathematical Ways of Knowing course</a>		3
<a href="#">GEM 6 - Social &amp; Behavioral Ways of Knowing course</a>		3
<b>Major Requirements</b>		
NADM 140	Fundamentals of Windows Operating System	4
NADM 142	Network Services	4
NADM 144	Routing and Switching Environment	4
NADM 155	Network Server Management	4
NADM 157	Linux System Administration	4
NADM 159	Security	4
<b>Minimum Credit Hours Required</b>		<b>33</b>

## Certificate Plan: Fall Start

*The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this plan.*

NOTE: The required general education courses may be completed during any semester the student prefers, including summer semesters.

### First Year

Fall		Credit Hours
NADM 140	Fundamentals of Windows Operating System	4
NADM 142	Network Services	4
NADM 144	Routing and Switching Environment	4
Select one of the following:		3
<a href="#">GEM 1 - Written Communication course</a>		
<a href="#">GEM 2 - Oral Communication course</a>		
<b>Total Semester Credit Hours</b>		<b>15</b>
<b>Spring</b>		
NADM 155	Network Server Management	4
NADM 157	Linux System Administration	4
NADM 159	Security	4
<a href="#">GEM 3 - Mathematical Ways of Knowing course</a>		3

GEM 6 - Social & Behavioral Ways of Knowing course	3
<b>Total Semester Credit Hours</b>	<b>18</b>
<b>Minimum Credit Hours Required</b>	<b>33</b>

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Install, configure, and troubleshoot directory services and necessary infrastructure.
- Install, configure, maintain, and troubleshoot a secure email messaging system and client.
- Install, configure, maintain, and troubleshoot a database system.
- Install, configure, maintain, and troubleshoot an advanced network infrastructure in an Enterprise environment.
- Install and configure a secure network environment.
- Install, configure, maintain, and troubleshoot a collaboration system.