

# DATA CENTER TECHNICIAN, CERTIFICATE OF COMPLETION

A data center technician installs, maintains, and repairs a data center's computer and network systems. Students completing this one-year certificate are fully prepared for employment in this rapidly-growing industry.

## GRADUATION REQUIREMENTS

Students must complete a minimum of 46 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. All courses must be completed with a grade of 'C' or better. One course must be completed at Southwestern before the Certificate of Completion is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## PROGRAM STUDENT LEARNING OUTCOMES

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

- Apply technical skills to implement and maintain computer and network systems solutions and troubleshoot computer and network problems on an entry-level
- Demonstrate a basic knowledge of computer information systems.
- Demonstrate the ability to work independently or in a group environment with sensitivity to the needs of customers and coworkers.
- Demonstrate the skill and knowledge to install, configure and maintain PC and server hardware/software in a network environment.

Math and writing placement are unique to each student and are determined during the admissions and intake advising process. Additional math or writing courses may be required prior to taking the math or writing program requirements in this degree.

## PROGRAM GUIDE

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
CIS151	Network Essentials	4
MTH105	Math in Society (or higher) <sup>1</sup>	4
CS160	Computer Science Orientation	4
WR115	Fundamentals of Report Writing <sup>2</sup>	4
<b>Credits</b>		<b>16</b>
<b>Winter</b>		
CIS152	Network Routing & Switching Config	4
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS279	Network Server Administration	4
<b>Credits</b>		<b>16</b>

<b>Spring</b>		
CIS225	End User Support	4
CS133WS	Computer Language I: Web Scripting	4
BA285	Human Relations in Organizations	3
SP218	Interpersonal Communication	3
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>46</b>

<sup>1</sup> MTH105 or higher, excluding MTH211.

<sup>2</sup> A higher writing may be substituted excluding WR241, WR242, WR243, and WR250.

<sup>3</sup> BA110, BA120, BA285, PSY100, PSY201, PSY202, PSY203 will satisfy this requirement.

\* All Honors courses may be substituted for their equivalent requirements.