

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.

This program is not yet eligible of Federal Financial Aid; see your Academic Advisor for options.

Gainful Employment Disclosure

Southwestern is required by federal regulations to disclose information related to the College's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with certificate programs.

Gainful employment information for the Certificate of Completion Data Center Technician (https://www.socc.edu/images/ge/data_tech.html) can be found online.

Graduation Requirements

Students must complete a minimum of 45 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. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, (designed to prepare students for college transfer courses), are not applicable to this degree.

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

Pre-Program Courses

Students are required to take the following courses *prior* to the program courses, depending on students' college placement information. See advisor for details:

Code	Title	Credits
CIS90	Computer Basics (or demonstrate proficiency)	2
MTH60	Algebra I (or placement in higher math course)	4
WR90R	Academic Literacy (or placement in higher writing course)	4

Program Guide

Course	Title	Credits
First Year		
Fall		
CIS151	Network Essentials	4
CS160	Computer Science Orientation	4
MTH86	Computer Technology Mathematics ¹	4
WR115	Introduction to Expository Writing (or higher) ²	3
	Credits	15
Winter		
CIS152	Network Router Configuration	4

CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS279	Network Management I Network Hardware	4
	Credits	16
Spring		
CIS225	End User Support	4
CS133WS	Web Scripting	4
BA110	Group Dynamics for Teams ³	3
SP218	Interpersonal Communication	3
	Credits	14
	Total Credits	45

Footnotes

- ¹ Excluding WR241 Imaginative Creative Writing Fiction, WR242 Imaginative Writing Poetry Poetry, WR243 Imaginative Writing Explorations, and WR250 Autobiography Writing.
- ² MTH105 Math in Society or higher may be substituted for MTH86 Computer Technology Mathematics.
- ³ BA120 Leadership Development, BA285 Human Relations in Organizations, PSY100 Introduction to Psychology, PSY201 General Psychology, PSY201H General Psychology w/Honors, PSY203 General Psychology, or PSY203H General Psychology w/Honors may be substituted for BA110.

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.