

# CAREER-TECHNICAL PROGRAM |

## CERTIFICATE OF COMPELTION

### COMPUTER TECHNICIAN



The Certificate of Completion Computer Technician is intended to prepare the student for entry-level jobs in software and hardware customer support. The computer technician will provide technical assistance to computer system users, investigate and resolve computer software and hardware problems of users, and answer clients' inquiries in person and via telephone concerning the use of computer hardware and software. Typical job functions include performing hardware and software installation, configurations, and upgrades.

#### PROGRAM STUDENT LEARNING OUTCOMES

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

- Implement hardware and software systems at a level consistent with the A+ certification.
- Demonstrate the ability to work independently or in a group environment and sensitivity to the needs of customers and coworkers.

#### ENTRY REQUIREMENTS

Students are required to take the college placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement test scores. CS120 Concepts of Computing is recommended for students with limited computing experience.

#### ADVANCED STANDING

Course work from accredited colleges and universities will be accepted in accordance with college policies.

#### GRADUATION REQUIREMENTS

Students must complete a minimum of 47 credit hours with a minimum Grade Point Average (GPA) of 2.0 (C) average or better. Fifteen (15) of the last 30 credits must be earned at Southwestern before the Certificate of Completion Computer Technician is awarded.

#### PREREQUISITES

Course Number	Course Title	Credits
CS120	Concepts of Computing	4
MTH94	Intermediate Algebra I (or designated placement test score)	4
WR90	Paragraph Fundamentals (or designated placement test score)	3
Reading Score of ASSET 39 COMPASS 69		0

#### GENERAL EDUCATION REQUIREMENTS

Course Number	Course Title	Credits
MTH95	Intermediate Algebra II (or higher)	4
BA285	Human Relations in Organization	3
WR115	Introduction to Expository Writing (or higher)	3

**TOTAL GENERAL EDUCATION REQUIREMENTS 10**

#### TECHNICAL REQUIREMENTS

Course Number	Course Title	Credits
<b>First Year Fall</b>		
CS160	Computer Science Orientation	4
CS179	Introduction to Networks	3
ELEC101	Electronic Processes I	3
CS140	Introduction to Operating Systems	4
<b>First Year Winter</b>		
CIS6260	Computer Technician Theory I	3
CS188	Wireless Technologies I	3
CS240U	Advanced Operating Systems – Unix	3
ELEC102	Electronic Processes II	3
<b>First Year Spring</b>		
CS225	End-User Support	4
CIS6261	Computer Technician Theory II	3
CS184	Workstation Security	3
<b>Second Year Fall</b>		
CS280	Field Experience or CIS2280 <sup>1</sup>	1

**TOTAL TECHNICAL CREDITS 37**

**TOTAL PROGRAM CREDITS 47**

#### PROGRAM NOTES

<sup>1</sup> CS280 or CIS2280 may be taken over several terms but only after completion of the first year computer courses. See CS advisor for instructor consent.