

**Computer Aided Design
Engineering Technology
Short-Term Certificate** 151301 DDT

Available: Shoals Campus
 Advisor: A. Rice (5257) rice@nwsc.edu
 M. Hubka (5270) hubka@nwsc.edu

This short-term certificate is open to drafting and design industry personnel with a minimum of one year experience in manual drafting, design, or engineering. The program provides upgrade training in the use of computer aided drafting and design (CADD) technology.

Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.

	Semester		Hours
	Theory	Lab	
DDT 104 Basic Computer Aided Drafting and Design	1	4	3
DDT 127 Intermediate Computer Aided Drafting and Design	1	4	3
DDT 231 Advanced CAD Drafting and Design Elective	2	3	3
	X	X	6

Total Semester Credit Hours 15

NOTE: Two Drafting electives totaling 6 semester hours is required. Students should consult advisor concerning other possible electives from other program areas.

**Design Engineering Technology:
Associate in Applied Science Degree - page 66**

**Computer Technology
PC Hardware Technician
Short-Term Certificate** 110101 PCH

Available: Shoals Campus
 Advisors: S. Harrison (5250) sam@nwsc.edu
 S. Chandler (5234) schandler@nwsc.edu
 T. James (6281) timmy.james@nwsc.edu
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Almost all businesses today utilize microcomputers in their operations, whether they are large or small businesses. The investment they have made in microcomputers requires ongoing maintenance and service. The need for qualified technicians is continually expanding. These technicians need to know how to diagnose, configure, install, upgrade, and service industry standard microcomputers. This program is designed to provide the skills to become employed as a PC Hardware Technician.

Entering students are required to complete ORI 101. Transfer students are exempt from this requirement.

	Semester		Hours
	Theory	Lab	
CIS 249 Microcomputer Operating Systems	3	0	3
ILT 101 Survey of Electronics	3	0	3
ILT 112 Concepts of Digital Circuits	3	6	5
ILT 131 Personal Computer Problem Determination	2-3	3-0	3
CIS 150 Intro to Computer Logic and Programming	3	0	3
*CIS 199 Network Communications or ILT 135 Local Area Networks	3	0	3
CIS 268 Software Support or ILT 130 Software Installation and Maintenance	3	0	3
CIS 269 Hardware Support or ILT 129 Personal Computer Hd.	3	0	3
**CIS 146 Microcomputer Applications or ILT 175 Computer Fundamentals for Technology Students	3	0	3

Total Semester Credit Hours 29

* Course offered during summer semester only.
 **Students without prior computer knowledge or keyboarding should enroll in CIS 096.

**Computer Information Systems:
Associate in Science Degree - page 51
Associate in Applied Science Degree - pages 64 & 65**