

Computer Support Specialist		Course to Program Map			
Program Outcomes: Upon completion of the program, graduates will be able to...	Institutional Skills	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
Courses					
CSCI 101 Introduction to Management Information Systems	CP	I	IRMA	I	
CSCI 102 Introduction to Programming	CP	IRMA		IRMA	
CSCI 110 Intro to Computer Concepts and Applications	CP	I	I	IR	
CSCI 125 CompTIA A+ Essentials	CP	IR		IR	IRMA
CSCI 126 CompTIA A+ Practical Applications	CP	IR		IR	IRMA
PCDE 109 Career Success	CPW		IRA		

Mapping	
I	Introduced
R	Reinforced
M	Mastered
A	Assessed/Artifact

Essential Skills	
1	written communication
2	oral communication
3	critical thinking
4	cultural diversity
5	social responsibility

Employability Skills	
C	communication
P	problem solving
W	work ethic

CSCI 101 Introduction to Management Information Systems	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
Course SLO: Students will be able to				
describe the major components of an information system.				
describe how information systems and technologies are used.				
describe the components of a computer system.				
describe the process of writing a computer program.				
describe how data is stored.				
describe networks and how the Internet works.				
describe how to secure a computer from malware.		IRMA		
discuss ethical dilemmas that arise in modern computing.		IRMA		

CSCI 102 Introduction to Programming	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
Course SLO: Students will be able to				
identify and describe general computer and programming topics such as operating systems, networking, databases, algorithms, control structures, data types, data storage, files and arrays.	IRMA		IRMA	
demonstrate structured programming principles, such as top-down modular design and proper program documentation and style	IRMA		IRMA	
demonstrate the use of certain basic tools and algorithms, such as data validation, defensive programming, calculating sums and averages, and searching and sorting lists			IRA	
describe and articulate other programming paradigms, such as object-oriented and event-driven programming.			IRA	

CSCI 110 Intro to Computer Concepts and Applications	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
<b>Course SLO: Students will be able to</b>				
identify the specifications and configurations of computer hardware.				
identify the role of an operating system.				
use the Internet to find information and determine its credibility.	I			
use word processing software to create, edit, and produce professional documents.	I		IR	
create spreadsheets and charts for problem-solving.	I		IR	
utilize a database.	I		IR	
use presentation software to create, edit, and produce professional presentations.				
identify the ethical and social standards of conduct regarding the use of information and technology.		I		
identify security threats and solutions.		I		

CSCI 125 CompTIA A+ Essentials	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
Course SLO: Students will be able to				
illustrate the installation, configuration and troubleshooting of current operating systems.	IR		IR	IRMA
identify basic computer components.	IR		IR	IRMA
identify, install and troubleshoot computer processors.	IR		IR	IRMA
identify, install and troubleshoot memory.	IR		IR	IRMA
identify, install and troubleshoot peripherals.	IR		IR	IRMA
identify, install and troubleshoot video components.	IR		IR	IRMA
identify, install and troubleshoot storage media.	IR		IR	IRMA
identify, install and troubleshoot input and output ports and cables.	IR		IR	IRMA
identify, install and troubleshoot printers.	IR		IR	IRMA
identify, install, troubleshoot and configure basic networks and components.	IR		IR	IRMA

CSCI 126 CompTIA A+ Practical Applications	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based certifications.
Course SLO: Students will be able to				
illustrate the installation, configuration and troubleshooting of current operating systems.	IR		IR	IRMA
compare and contrast the features and requirements of various Microsoft Operating Systems.	IR		IR	IRMA
demonstrate use of networking, OS and recovery console command line tools.	IR		IR	IRMA
configure and troubleshoot a network client/desktop device.	IR		IR	IRMA
perform preventative maintenance procedures.	IR		IR	IRMA
demonstrate use of basic network, OS and data security.	IR		IR	IRMA
identify and integrate mobile devices.	IR		IR	IRMA
demonstrate common troubleshooting methods.	IR		IR	IRMA
demonstrate common troubleshooting methods.	IR		IR	IRMA

PCDE 109 Career Success	Curriculum Map			
Program Outcomes	analyze a problem, and identify and define the appropriate computing requirements.	demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities	use current techniques, skills, and tools necessary for computing practice.	demonstrate an understanding of computer hardware, software, networks, security and project management to pursue industry-based
<b>Course SLO: Students will be able to</b>				
describe the significance of enthusiasm and passion in the workplace.		IRA		
demonstrate reliability.		IRA		
illustrate professionalism.		IRA		
identify acts of initiative.		IRA		
describe the significance of honesty and integrity in the workplace.		IRA		
critique interactions with managers and co-workers.		IRA		
develop strategies that show gratitude toward others.		IRA		