



COMPUTER INFORMATION SYSTEMS ASSESSMENT PLAN

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CIS/ IT Mission Statement

Community College of Denver's CIS/IT program will strive to ensure that their students receive a high quality education that reflects the demands of the industry and is on the cutting edge of technology in order to prepare students for meaningful and productive employment.

The CIS advisory board will aid CCD in identifying industry trends to assist in pinpointing the necessary skills and abilities needed by the faculty, and the essential competencies needed in the curriculum to ensure that students are poised for success.

CIS/ IT Vision Statement

It is the goal of the CCD CIS/IT program to have the most technically superior certificate and degree programs in the Colorado metropolitan area. The CCD advisory board foresees the need to continually upgrade the resources of the CIS/IT program by maintaining highly trained faculty, and providing students access to technologically current equipment and coursework.

Program Objectives for Assessment

Major Courses

1. Define the basic hardware and software concepts associated with personal computers and conduct routine PC troubleshooting
2. Describe the different components of a basic network and how they interrelate using the OSI model
3. Create, modify, use and print word processing documents, spreadsheets, relational databases and presentations
4. Understand the challenge of managing information systems within an organization
5. Demonstrate the ability to pass practice tests on current A+ and Network+ objectives
6. Demonstrate the ability to physically and logically build networks from scratch including the configuration of all hardware devices and the NOS
7. Write a program using processes, loops, control structures and functions
8. Demonstrate how to provide customer service using interpersonal and business communication skills

Curriculum Mapping Assessment Matrix

Key **I**=Introduced, **E**=Emphasized, **U** = Utilized, **A**= formally Assessed

Program Name: <i>Computer Information Systems</i>					Course Numbers/Program Requirements or Options										
Outcomes	CIS 118	CIS 267	CSC 119	CNG 116	CNG 120	CNG 124	CNG 125	CIS 135	CIS 145	CIS 155					
1. Define the basic hardware and software concepts associated with personal computers and conduct routine PC troubleshooting	A	E	NA	A	A	U	U	NA	NA	NA					
2. Describe the different components of a basic network and how they interrelate	I	U	NA	U	U	A	A	NA	NA	NA					

using the OSI model														
3. Create, modify, use and print word processing documents, spreadsheets, relational databases and presentations	I	U	U	U	U	U	U	E	E	E				
4. Understand the challenge of managing information systems within an organization	I	E	NA	NA	NA	NA	NA	NA	NA	NA				
5. Demonstrate the ability to pass practice tests on current A+ and Network+ objectives	I	NA	NA	A	A	A	A	NA	NA	NA				
6. Demonstrate the ability to physically and logically build networks from scratch including the	I	U	U	U	E	E	E	NA	NA	NA				

configurati on of all hardware devices and the NOS														
7. Write a program using processes, loops, control structures and functions	NA	U	E	NA	NA	NA	NA	NA	NA	NA				
8. Demonstrat e how to provide customer service using interperson al and business communica tion skills	I	U	U	U	E	U	E	NA	NA	NA				

Computer Information Systems/Information Technology 12 Step Assessment Strategy for AY 2015/2016 through AY 2019/2020

1. The four courses selected for this assessment plan will be CNG 116 –Hardware, CNG 120 –A+ certification, CNG 124 Network+ I and CNG 125 Network+ II.
 - a. These four courses are a culmination of the hardware literacy and networking concepts taught in CIS 118 and other major courses such as CIS 267
 - b. All students that obtain a certificate or a degree in either CIS or IT will be required to take the four courses listed above
 - c. There will be three sections of each course offered annually
2. After census date has passed, students will be given a Transcender code and shown how to register the code for the appropriate course
3. Students will be shown the difference between Optimize, Preset and Random
4. Student will be allowed one week to become familiar with the testing process
5. **Approximately one week after census date students will be required to take Preset B**
 - a. **The grade will be recorded as the entry level assessment score but not used as a grade**
6. The students will have two additional preset exams recorded as grades for their specific class
7. The students will have two random scores recorded as grades for their specific class
8. **At the end of the class (7.5 weeks) students will again be required to take preset B**
 - a. **The grade will be recorded as the assessment exit exam but not used as a grade**
9. The instructor will calculate the grade range for each student (between entry and exit)
 - a. The instructor will calculate an average improvement value for the class
10. The chair will calculate an average improvement value for the course
 - a. While this is a value for the course, it represents competency across the curriculum because of the topics and the requirement for the degrees and certificates
11. After the initial assessment taking place in the spring 2016 the faculty will meet and determine where the students should be academically in the specific topics covered and create a matrix of desired improvement from pretest to post test
12. Initial performance and post-test performance will be compared by instructor to ensure equivalent learning takes place in all sections of all courses in the program