

Addendum to 7.1

Response to General Outcomes for each program:

Associate of Applied Science in Information Network Specialist

<http://bpcc.edu/catalog/current/cyberinformationtechnology/aas-informationnetworkspecialist.html>

The Information Network Specialist program focuses on the design and implementation of computer networks and associated software, to maximize productivity in a live production environment. The program prepares individuals to function as entry level network specialists, and includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting.

Learning Outcomes:

Recipients of the **Associate of Applied Science in Information Network Specialist** will have demonstrated:

1. clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;
2. the ability to critically analyze computer network installation, maintenance, management and enhancement;
3. working knowledge in local area networks, wide area networks, servers and other end-user devices enabling graduates to critically analyze and react to new developments in their field;
4. the utilization of mathematics to collect, analyze and interpret technical data collected through investigation and experimentation; and
5. an application of software responsibilities for managing software, security, and user accounts to gain hands-on experience.

Associate of Applied Science in Information Network Security Specialist

<http://bpcc.edu/catalog/current/cyberinformationtechnology/aas-informationnetworksecurityspecialist.html>

The Information Network Security Specialist program provides students with the skills needed to manage an organization's network security needs., The program prepares individuals to function as entry level network security specialist, and includes instruction

on technologies to keep network assets secure, conducting forensic analyses, encryption techniques, and organizational security management.

Learning Outcomes:

Recipients of the Associate of Applied Science in Information Network Security Specialist will have demonstrated:

1. clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;
2. the ability to critically analyze and solve real world security issues understanding the legal and ethical concerns;
3. mastery in security awareness and network threats enabling graduates to critically analyze and react to new developments in their field;
4. the utilization of mathematics to collect, analyze and interpret technical data collected through investigation and experimentation; and
5. an application of computer networks and firewalls to gain hands-on experience.

Associate of Applied Science in Information Programmer-Analyst

<http://bpcc.edu/catalog/current/cyberinformationtechnology/aas-informationprogrammeranalyst.html>

The Programmer Analyst program focuses on programming techniques for software applications. The program prepares individuals to function as entry level programs in a team environment, and includes instruction in a variety of programming languages on programming logic, writing and executing code to create and troubleshoot software applications, data structures and computer architecture.

Learning Outcomes:

Recipients of the Associate of Applied Science in Information Programmer-Analyst will have demonstrated:

1. clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;
2. the ability to critically analyze the use of mainframe computers in conjunction with web and server applications;
3. working knowledge by learning relevant computer languages to enabling graduates to critically analyze and react to new developments in their field;
4. the utilization of mathematics to collect, analyze and interpret technical data collected through investigation and experimentation; and
5. an application of computer web server and programming applications to gain hands-on experience.

Associate of Applied Science in Web Analyst Programmer

<http://bpcc.edu/catalog/current/cyberinformationtechnology/aas-webanalystprogrammer.html>

The **Web Analyst program** provides students with the knowledge needed to create and manage websites and web applications. The program prepares individuals to function as a Web Analyst in business environments, and includes instruction in a variety of programming languages with an emphasis on creating and troubleshooting web applications, managing commercial websites, and maintaining web security.

Learning Outcomes:

Recipients of the **Associate of Applied Science in Web Analyst Programmer** will have demonstrated:

1. clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;
2. the ability to critically analyze and solve real world user interaction;
3. working knowledge in learning relevant computer languages enabling graduates to critically analyze and react to new developments in their field;
4. the utilization of mathematics to collect, analyze and interpret technical data collected through security investigation and experimentation; and
5. an application of web and computer programming applications to gain hands-on experience.

Associate of Applied Science in Computer Information Systems

The Associate of Applied Science in Computer Information Systems provides the graduate with the knowledge and applied technical skills needed to enter computer-related occupations in the business/industry job market.

Learning Outcomes:

Recipients of the Associate of Applied Science in Computer Information Systems will have demonstrated:

1. ability to perform basic tasks in the Windows operating system.
2. ability to create and edit word processing documents involving formatting skills.
3. ability to create and edit electronic spreadsheet documents utilizing basic mathematical skills.
4. ability to create and edit relational databases.
5. ability to create and edit electronic presentations.
6. ability to navigate and utilize the Internet.