

Sinclair Authorized to Offer Information Systems Security Certificate

Dayton, Ohio -- Six Sinclair Community College Computer Information Systems courses have been certified by the National Information Assurance Education and Training Program (NIETP).

The courses, comprising 20 credit hours, were recently reviewed and validated by NIETP's Information Assurance Courseware Evaluation review committee. It means the six courses map 100% to the Committee on National Security Systems (CNSS) National Standard 4011. Sinclair and the CNSS will jointly issue CNSS 4011 certificates to students completing the sequence of courses.

"This is an important validation of the quality of our computer security courses," said Bob Sherman, Sinclair Professor of Computer Information Systems. "The NIETP program provides consistency in training and education for the information assurance skills that are critical to our nation."

The Sinclair CIS courses making up the CNSS National Standard 4011 certificate are:

CIS238: PC Installation Management - Installing, configuring, maintaining and troubleshooting microcomputer hardware and software including CPUs, storage devices, add-on boards and adapters, video display, printers, communication devices, operating systems and diagnostic software programs.

CIS230: Computer Networks - Fundamentals of network and data communication including protocols, hardware, software, and local and wide-area networks with emphasis on network analysis, design, management and applications; balances technical aspects of both data communications and managerial issues by incorporating current models such as the seven layer Open Systems Interconnection (OSI) and Systems Network Architecture (SNA).

CIS206: Network Security I - A current overview of both network and Internet based security practices and conventions. Includes planning, implementing and managing network security. Through an exploration of security technologies, vulnerability assessment and attack methods, this course addresses how to minimize potential security risks. Preparation will also be given for the Security+ certification.

CIS207: Network Security II - An advanced course in network and Internet based security practices and conventions. Includes advanced level planning, implementing and managing network security. Also includes detailed study of security risks and responses. Preparation will also be given for the Security+ certification.

CIS272: Microsoft Windows Server Operating System - Intermediate and advanced aspects of the administration and support functions of a Windows Server administrator. Outcomes include installation and set up of the current Windows Server operating system, setup and administer a client server network and in-depth knowledge of the current Windows Server operating system. Prepares students for the industry certification exam.

CIS253: Securing a Windows Network Environment - Provides students with the knowledge and skills to successfully plan, implement and troubleshoot security for a Microsoft Windows network using the current version of the Server operating system. Includes implementing baseline security; managing software updates through service packs and updates; securing local and remote network access; managing a Public Key Infrastructure (PKI); monitoring and responding to security incidents. Prepares students for the industry certification exam.

Several of the courses are offered Fall, Winter, and Spring terms. The six courses can all be taken within one, nine-month academic year.

For more information about the CNSS National Standard 4011 certificate courses offered by Sinclair, please contact the CIS department at (937) 512-2892.