



**CAREER AND TECHNICAL EDUCATION INFORMATION SYSTEM  
PENNSYLVANIA DEPARTMENT OF EDUCATION  
SECONDARY PROGRAM PROFILE  
FOR SCHOOL YEAR 2013-2014**

**DATE : 8/1/2013**

**School Number School Name, Address and Phone**

6193 Greater Altoona CTC, 1500 4th Avenue Altoona, PA 16602-3616 Phone: (814) 946-8450

CIP Code	Status	Date Submitted
11.0901 Computer Systems Networking and Telecommunications	Re-Approved	6/29/2010
CIP Cluster	Program Type	Date Approved
Information Technology	Program of Study	10/12/2010
Program Area	Registered Apprenticeship	Start School Year
Business Education	No	2010-2011

**Program Information:**

**High Priority Occupations / Labor Market Data / Occupational Advisory Committee**

11.0901 Computer Systems Networking and Telecommunications. Students in this program have the opportunity to be involved in the Information and Communication Services Industry Cluster. The unemployment rate is 7.9% in Blair County; however, there is still a much-needed demand for electrical and electronic equipment assemblers. The median regional wages in the Southern Alleghenies WIB are \$58,240 annually. The projected growth is 50.7%. This program will provide at least two letters of support from local employers who agree that the program prepares graduates to be qualified employees and the program meets their needs, as well as the needs of the community. The 7-member Occupational Advisory Committee, which last met on March 12, 2013, approved the pursuit of Program of Study approval for CIP 11.0901. Members include: Steve Benson, Director, Center for Advanced Technology; Neil Ruscitti, Gen. Mgr., Best Buy; Jim Burtoft, Systems Engineer, Autonomy; David Cardoza, Svc Supv, Link Computer Corporation; Mary Ann Hanlon, Information Tech. Dir., Sheetz Organization; Alan Montgomery, Network Administrator, Southern Alleghenies Planning & Dev. Comm.; Kevin Gentsch, Owner/Operator, Evolving Technologies; Timothy Keener, GACTC Instructor.

**Occupational Analysis Data / Student Technical Competencies:**

This program offers the curriculum framework as prescribed by the program of study for the CIP code of 11.0901. The additional objectives of the pre-approved POS for Computer Technology CIP #15.1202 are included in our curriculum listed by standard number: 201 Identify the various types of computers people use in the modern world. 202 Identify computer hardware components and their functions. 203 Identify appropriate computer equipment and peripheral for given a specific situation and budget. 501 Categorize storage devices and backup media. 502 Explain motherboard components, types and features. 503 Categorize power supplies types and characteristics. 504 Explain the purpose and characteristics of CPUs and their features. 505 Explain cooling methods and devices. 506 Compare and contrast memory types, characteristics and their purpose. 507 Distinguish between the different display devices and their characteristics. 508 Install and configure peripherals and input devices. 509 Summarize the function and types of adapter cards. 510 Install, configure and optimize laptop components and features. 511 Install and configure printers. 512 Given a scenario, install, configure and maintain personal computer components. 513 Given a scenario, detect problems, troubleshoot, and repair/replace desk top and laptop computer components. 514 Given a scenario, diagnose and repair common printer issues. 601 Describe and explain the troubleshooting theory. 602 Describe and explain and interpret common hardware and operating system symptoms and their causes. 603 Describe and determine the troubleshooting methods and tools for printers. 604 Describe and interpret common laptop issues and determine the appropriate basic troubleshooting method. 605 Given a scenario, integrate common preventative maintenance techniques. 701 Compare and contrast the different Operating Systems and their features. 702 Given a scenario, demonstrate proper use of user interfaces. 703 Explain the process and steps to install and configure an operating system. 704 Explain the basics of boot sequences, methods and startup utilities. 705 Select the appropriate commands and options to troubleshoot and resolve problems. 706 Differentiate between various operating system directory structures. 707 Identify and use system utilities/tools and evaluate the results. 708 Evaluate and resolve common OS and software issues.



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**Accountability Targets:**

CIP #11.0901 Computer Systems Networking & Telecommunications – 2011-12 AYP Targets met: 1S1 No 1S2 Yes  
2S1 Yes 3S1 Yes 4S1 Yes 5S1 Yes 6S1 No 6S2 No

**Equipment and Technology:**

Projector, smartboard, computer workstations, whiteboard, classroom management software (Moodle), computer monitoring software (Synchronize Eyes), electronic assignments and exams, virtual networking software (Packet Tracer).

**Number of Prospective Students:**

32

**Support Services:**

Special Education students who have applied to the GACTC are selected on the same criteria as those within the Regular Education realm which is based upon good grades, acceptable attendance, and appropriate behavior. For students with special needs, the support coordinators are able to scrutinize IEPs so that appropriate program selection accentuates student strengths and career interest avenues. The support coordinators support both teachers and students throughout the school year to ensure that specially-designed instruction modifications are being used in the regular education setting to facilitate student success within their vocational education experience.

**Career & Technical Student Organizations:**

Students in the Computer Technology/Cisco Academy program are affiliated with SkillsUSA CTSO and have an active Chapter.

**Advisory Committees**

**Local Advisory Committee:** The Greater Altoona Career & Technology Center complies with all mandates of the state, federal, and accreditation bodies to maintain a Local Advisory Committee composed of representatives of education, industry, business, joint apprenticeship councils, labor, and management. The purpose of the committee, which has been in existence for nearly four decades, is to advise the school board and the administration concerning the general philosophy, objectives, and program needs of the school. The Local Advisory Committee of the Greater Altoona Career & Technology Center meets twice yearly.

**Professional Advisory Committee:** The Professional Advisory Committee, consisting of the Superintendent of Record along with superintendents of the other seven member school districts, meet on a monthly basis to work with the Executive Director on educational matters concerning the center. The committee plays an integral part in the development of the Center's Strategic Plan. All Superintendents of the participating school districts serve on this committee. The Committee is authorized to form its own structure and schedule for meetings and to prepare whatever reports on recommendations it deems necessary for review by the Joint Operating Committee. The Chief School Administrator and the Executive Director serve as ex-officio members of all committees established by the Joint Operating Committee.

**Joint Operating Committee:** The JOC, a 20-member body comprised of representatives from each of the eight sponsoring school districts, meets the fourth Monday of each month. For an institution governed by a Joint Operating Committee, the most obvious stakeholders are the eight sponsoring school districts. It is imperative that the director and school administration work in harmony with the Joint Operating Committee representing the eight school districts that make up the aggregated board. This institution is the only focal point where these eight school districts come to work together in the best interest of a substantial representation of their student population.

**Sponsor Information:**



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**Student Industry Certifications:**

Industry Certification	Certification Provider
Cisco Certified Entry Networking Technician (CCENT)	Cisco Systems
A+	CompTIA
Network+	CompTIA

**Teacher Industry Certifications:**

Industry Certification	Certification Provider
Cisco Certified Network Associate (CCNA)	Cisco Systems
A+	CompTIA