ITIS 099
Introduction to Microsoft Windows
2 Units
18 lecture hours, 36 lab hours
Equivalent to: CIS 099, CSIS 099, CSIS 105
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ENGL 101.
This is a beginning-level course on Windows OS which introduces the student to the terminology, application, and use of the Windows operating system. Topics include file management, hardware and software maintenance, working with administrative tools, Internet access and communication, and others. The course is designed for students with no previous computer experience.

ITIS 104
Information Technology
4 Units (AA/AS; CSU)
54 lecture hours, 54 lab hours
Equivalent to: ENGR 104, IT 104
Grade Mode: Standard Letter
Strongly recommended: ENGL 101.
This course is designed in building computer hardware and software skills needed for entry-level IT positions. Topics covered include networking and computer security. This course will be of interest to computer technicians, field service and help desk support personnel, as well as, individuals interested in enhancing their technical skills and knowledge of the PC system. It will lay the foundation for the CompTIA A+ certification exams.

ITIS 107
Network Technology
4 Units (AA/AS)
54 lecture hours, 54 lab hours
Equivalent to: ENGR 107, IT 107
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 104, ENGL 101.
This course provides information covering the LAN and WAN. Network topologies and protocols are presented.

ITIS 108
Network Operating Systems
4 Units (AA/AS)
54 lecture hours, 54 lab hours
Equivalent to: ENGR 108, IT 108
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 107.
This course provides information covering the areas of network operating systems used on local and wide area networks (LANS and WANS), as well as popular server software.

ITIS 109
Network and Computer Security
4 Units (AA/AS)
54 lecture hours, 54 lab hours
Equivalent to: CSIS 109, IT 109
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ENGL 101.
Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the CompTIA Security+ certification tests.

ITIS 112
Microsoft Desktop Support
3 Units (AA/AS)
54 lecture hours, 18 lab hours
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 104; ENGL 101.
This course provides students with the knowledge and skills needed to install, configure, and administer the Microsoft Windows Operating System environment. Students will get practical experience to prepare them for the MCSA Exam on installing and configuring Windows OS.

ITIS 115
Computer Information Systems
3.5 Units (AA/AS; CSU)
54 lecture hours, 27 lab hours
Equivalent to: CIS 107, CSIS 107
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 099; ENGL 101.
This course is an overview of information technology and its role in business, industry, health care, and government. Topics include computer hardware, end-user software, network/Internet technologies, ethics, emerging technologies, and coding.

ITIS 119
Web Design Using HTML
3 Units (AA/AS; CSU)
54 lecture hours, 18 lab hours
Equivalent to: CIS 119, CSIS 119
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 115; ENGL 101.
This course provides students with the skills needed to create web pages using the latest version of HTML. Students will also be introduced to CSS modeling and JavaScript to create custom web pages for personal and professional environments. The laboratory component provides the student with expanded first-hand experience in specific areas of course content.

ITIS 120
Cybersecurity: Ethical Hacking
3 Units (AA/AS; CSU)
36 lecture hours, 54 lab hours
Grade Mode: Pass/No Pass, Standard Letter
Strongly recommended: ITIS 107 and ITIS 109.
This course provides an overview of information systems security, specifically system penetration. Students will be introduced to the concepts, principles, and techniques for attacking and disabling a network within the context of properly securing it. General concepts covered include aspects of computer and cyber crime, cyber crime investigation, security policies, sample attacks, and testing. Students will receive hands-on training using various tools for penetration testing.
ITIS 130  
Microcomputer Applications I  
4 Units (AA/AS; CSU; UC)  
72 lecture hours  
Equivalent to: CIS 130, CSIS 130  
Grade Mode: Pass/No Pass, Standard Letter  
Strongly recommended: ITIS 099, ENGL 101.  
Students will use the personal computer to learn an office suite, such as Microsoft Office, that includes word processing, electronic spreadsheets, database management systems, multimedia/presentation graphics, personal information management and an introduction to the Windows OS. This course prepares the student to take the Microsoft Office User Specialist certification exam.

ITIS 141  
Programming Fundamentals  
3 Units (AA/AS; CSU)  
36 lecture hours, 54 lab hours  
Equivalent to: CIS 141, CSIS 141  
Grade Mode: Standard Letter  
Strongly recommended: ITIS 115.  
This course is an introduction to programming concepts using the JavaScript language. Emphasis is placed on good design techniques, coding, and documentation. Topics covered focus on variables, data types, operators, functions, decision making with control structure and statements, objects, events, iteration, forms, and error handling. This course is not for Computer Science majors.

ITIS 150  
Web Design with Dreamweaver  
3 Units (AA/AS)  
54 lecture hours, 18 lab hours  
Equivalent to: CIS 150, CSIS 150  
Grade Mode: Pass/No Pass, Standard Letter  
Strongly recommended: ITIS 115.  
This course is an introduction to web design using a proprietary web development tool. Introduces the basic features of Adobe Dreamweaver including the Dreamweaver interface, toolbars, and panels. Topics include: adding and editing text, formatting using Cascading Style Sheets, editing HTML, adding images, tables, forms, and responsive web design.

ITIS 160  
Introduction to Database Concepts  
3 Units (AA/AS)  
54 lecture hours  
Equivalent to: CSIS 175  
Grade Mode: Pass/No Pass, Standard Letter  
Strongly recommended: ENGL 101.  
This beginning course on database design focuses on the skills needed to define, create, and maintain a fully programmed database system using Microsoft Access in a Windows environment. The course covers database concepts, design, tables, queries, reports, and menus.

ITIS 165  
Database Principles Using SQL  
3 Units (AA/AS; CSU; UC)  
54 lecture hours  
Grade Mode: Standard Letter  
Strongly recommended: ITIS 099.  
This is an introductory course in SQL (Standard Query Language). Concepts covered include a general overview of SQL and MySQL, creating a MySQL database, tables, queries, subqueries, filtering, and conditional logic.
ITIS 180C
Compute Engines in Amazon Web Services
3 Units (AA/AS)
54 lecture hours
Grade Mode: Standard Letter
Prerequisite(s): ITIS 180A; CS 140 or CS 112.
In this course, students explore how cloud computing systems are built using a common set of core technologies, algorithms, and design principles centered around distributed systems. Students will use the Amazon Web Services (AWS) Management Console to provision, load-balance and scale their applications using the Elastic Compute Cloud (EC2) and the AWS Elastic Beanstalk. The course discusses, from a developer perspective, the most important reasons for using AWS and examines the underlying design principles of scalable cloud applications.

ITIS 180D
Security in Amazon Web Services
3 Units (AA/AS)
54 lecture hours
Grade Mode: Standard Letter
Prerequisite(s): ITIS 180A.
Strongly recommended: ITIS 109, ENGL 101.
This course focuses on protecting the confidentiality, integrity and availability of computing systems and data. Students learn how Amazon Web Service (AWS) uses redundant and layered controls, continuous validation and testing, and a substantial amount of automation to ensure the underlying infrastructure is continuously monitored and protected. Students examine the AWS Shared Responsibility Model and access the AWS Management Console to learn more about security tools and features provided by the AWS platform.

ITIS 698B
Cooperative Education
2 Units (AA/AS)
120 lab hours arranged
Equivalent to: IT 698B
Grade Mode: Pass/No Pass, Standard Letter
Prerequisite(s): The student must be simultaneously enrolled in a class that relates to the Cooperative Education class.
A course designed to assist students in planning and accomplishing meaningful learning objectives related to Information Technology at their place of volunteer employment or training sites.

ITIS 699D
Cooperative Education
4 Units (AA/AS)
240 lab hours arranged
Equivalent to: IT 699D
Grade Mode: Pass/No Pass, Standard Letter
Prerequisite(s): The student must be simultaneously enrolled in a class that relates to the Cooperative Education class.
A course designed to assist students in planning and accomplishing meaningful learning objectives related to Information Technology at their place of paid employment or training sites.