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Advisement and Registration: 480-461-6100 • Fax: 480-461-6222

MCC Down Town Center, 145 North Centennial Way, 4th flr, Mesa, AZ. 85201

Online Registration is not available for our classes; please call to register.

BPC170 Computer Maintenance I: A+ Essentials Prep 3 credits

Technical aspects of the microcomputer, including system setup (hardware and software) and basic troubleshooting. Emphasizes troubleshooting, use of tools, hardware components and hardware and software interfaces, and operating systems. Students use Cisco certified course IT Essentials I. Course content prepares students for Computer Technology Industry Association (CompTIA) A+ certification exam. PR: None

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
35476	DTC 4FLR	Classroom 407	TR	6:00-9:40p	01/19-03/11
35472	DTC 4FLR	Classroom 407	MW	6:00-10:10p	01/20-03/10
41404	DTC 4FLR	Classroom 407	S	8:00-11:55a	01/23-05/08
35474	DTC 4FLR	Classroom 407	MW	6:00-9:40p	03/22-05/12

BPC270 Computer Maintenance II: A+ Technician Prep 3 credits

Advanced technical aspects of maintaining and servicing computers. Emphasis placed on installation, periodic maintenance, diagnosis, and/or problem resolution. Helps prepare students for the CompTIA A+ technician examinations including Information Technology (IT) field technician, remote support technician and bench technician. PR: BPC170 with grade of C or better, or permission of instructor.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
42200	DTC 4FLR	Classroom 407	MW	6:00-10:10p	01/20-03/10
41406	DTC 4FLR	Classroom 407	MW	6:00-9:40p	03/22-05/12
41408	DTC 4FLR	Classroom 407	TR	6:00-9:40p	03/23-05/13

TQM240 Project Management in Quality Organizations 3 credits

Presents methods for quality organizations in how to plan and schedule a project in use of Critical Path Method (CPM) and Program Evaluation and Review Technique (PERT) techniques and software to monitor and control projects. PR: None

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
35810	S&D	BP 3S	TR	12:00-1:20p	01/19-05/14
35438	S&D	BP 3	W	7:10-9:50p	01/20-05/14
42202	S&D	BP 5	MW	6:00-8:45p	01/20-03/10
42564	S&D	INTERNET	INTERNET	INTERNET	01/19-03/12
42566	S&D	INTERNET	INTERNET	INTERNET	03/22-05/14

Network Security and Information Assurance

CIS270 Essentials of Network and Information Security 3 credits

infrastructure security, organizational security and basic cryptography. Introduction to the language of network security and hardware, software and firmware components of an information security system for local, metropolitan, enterprise, and wide area networks. Helps prepare students for the CompTIA Security+ exam and the GIAC Security Essentials Certificate (GSEC). PR: CNT150, or CIS175DB or MST150 any module, or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
54110	DTC 4FLR	Classroom 403	TR	6:00-9:40p	01/19-03/11
35796	DTC 4FLR	Classroom 403	MW	6:00-9:40p	03/22-05/12

CNT186 Cisco Fundamentals of Wireless LANs 4 credits

Design, planning, implementation, operation, and troubleshooting of wireless networks. Overview of technologies, security, and design best practices with emphasis on hands-on skills in wireless LAN (local area network) setup and troubleshooting, 802.11a & 802.11b technologies, products and solutions, site surveys, resilient WLAN design, installation and configuration, WLAN Security - 802.1x, EAP (Extensible Authentication Protocol), LEAP (Light Extensible Authentication Protocol), WEP (Wired Equivalent Privacy), SSID (Service Set Identifier), and vendor interoperability strategies. Prepare students to earn Cisco Wireless LAN Support Specialist designation and to take the Certified Wireless Network Administrator (CWNA) exam. PR: CNT140, or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
54111	DTC 4FLR	Classroom 407	MW	6:00-10:35p	03/22-05/12

CIS247DA Cyber Forensics & Incident Handling 3 credits

Linux forensics, data recovery and analysis, malicious code analysis, law enforcement interaction and case law, corporate and managerial legal concerns and direction. Helps prepare students for GIAC Certified Forensic Analyst (GCFA) Certification and IACIS Certified Forensic Computer Examiner (CFCE) certification. PR: CIS270.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
41414	DTC 4FLR	Classroom 407	MW	6:00-9:40p	03/22-05/12

CISCO CERTIFIED NETWORK ADMINSTRATOR

The following 4 Cisco classes are to prepare you for the CCNA examination.

CNT140AA Cisco Networking Fundamentals 4 credits

Introduction to the computer networking field. Covers network terminology and protocols, communication fundaments in Data networks and the Internet. Includes study of the Open Systems Interconnection (OSI) model, using a top down approach, cabling and cabling tools, basic Cisco router, configuration, Ethernet technologies, Internet Protocol (IP) addressing, and overview of Internet Protocol version 6 (IPv6), basic configuring and testing of the network, and network standards. Preparation for the Cisco Certified Network Associate (CCNA) examination. PR: None

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39068	DTC 4FLR	Classroom 402	TR	8:00a-12:30p	01/19-03/11
39074	DTC 4FLR	Classroom 402	TR	6:00-10:30p	01/19-03/11
39072	DTC 4FLR	Classroom 402	MW	6:00-10:30p	01/20-03/10

CNT150AA Cisco Routing Protocols and Concepts 4 credits

Knowledge of skills to install, configure, customize, maintain and troubleshoot Cisco routers utilizing Advanced Internet Protocol (IP) addressing techniques, Variable Length Subnet Masking (VLSM), distance vectored and Link State dynamic routing protocols, Routing Internet Protocol version 1 (RIPv1) and version 2 (RIPv2), Enhanced Interior Gateway Routing Protocol (EIGRP), Single-area Open Shortest Path First (OSPF), and understanding the structure and behavior of routing tables. Preparation for Cisco certification examination. PR: CNT140AA

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39076	DTC 4FLR	Classroom 402	MW	6:00-10:30p	03/22-05/12
39070	DTC 4FLR	Classroom 402	TR	8:00a-12:30p	03/23-05/13
39078	DTC 4FLR	Classroom 402	TR	6:00-10:30p	03/23-05/13

CNT160AA Cisco Local Area Networking (LAN) Switching and Wireless 4 credits

network. Learn about the hierarchical network design model and how to select devices for each layer. Configure a switch for basic functionality and implement Virtual Local Area Networks (VLAN), VLAN Trunking Protocol (VTP), and Inter-VLAN routing in a converged network. Implementation of Spanning Tree Protocol (STP) in a converged network and a Wireless LAN (WLAN) in a small to medium network. Comprehensive hands-on labs. Preparation for Cisco certification examination. PR: CNT140AA

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39080	DTC 4FLR	Classroom 403	TR	8:00a-12:30p	01/19-03/11
39084	DTC 4FLR	Classroom 403	TR	6:00-10:30p	01/19-03/11
41422	DTC 4FLR	Classroom 403	MW	6:00-10:30p	01/20-03/10

CNT170AA Cisco Accessing the Wide-Area Network (WAN) 4 credits

Wide-Area Network (WAN) technologies and network services required by converged applications in Enterprise Networks. Cisco Enterprise Composite model (ECM) to introduce integrated network services and selection of appropriate devices and technologies to meet ECM requirements. Implement and configure common data link protocols and apply WAN security concepts, principles of traffic management, access control and addressing services. Detect, troubleshoot, and correct common enterprise network implementation issues. Includes comprehensive hands-on labs. Preparation for Cisco certification examination. PR: CNT140AA, CNT150AA, and CNT160AA

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
41424	DTC 4FLR	Classroom 403	MW	6:00-10:30p	03/22-05/12
39082	DTC 4FLR	Classroom 403	TR	8:00a-12:30p	03/23-05/13
39086	DTC 4FLR	Classroom 403	TR	6:00-10:30p	03/23-05/13

CISCO CERTIFIED NETWORK PROFESSIONAL

The following 4 Cisco classes are to prepare you for the CCNP examination.

CNT220 CCNP: Building Multilayer Switched Networks 4 credits

Development of knowledge and skills in building campus networks using advanced and multi-layer switching technologies. Preparation for Cisco Certified Network Professional (CCNP) exam. PR: CNT170 or CCNA industry certification CR: CNT200 and CNT210

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39060	DTC 4FLR	Classroom 402	TR	6:00-10:30p	01/19-03/11

CNT230 Cisco Network Troubleshooting 4 credits

Introduction to optimizing and providing effective Quality of Service (QoS) techniques in converged networks operating voice, wireless and security applications. Topics covered include implementing a Voice over Internet Protocol (VoIP) network, implementing QoS on converged networks, specific Internet Protocol (IP) QoS mechanisms for implementing the DiffServ QoS model, Auto QoS, wireless security and basic wireless management. Preparation for the Cisco Certified Network Professional (CCNP) exam. PR: CNT200, CNT210 and CNT220 or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39062	DTC 4FLR	Classroom 402	TR	6:00-10:30p	03/23-05/13

OTHER CISCO COURSES

CNT240 Cisco Voice over IP 4 credits

Introduction to packet telephony for both Enterprise and Service Provider networks. Covers Packet Voice Technologies, Configuring Voice Interfaces, Voice Dial Peers, VoIP Signaling and Call Control. Includes data and voice integration solutions at the network-access level. PR: CNT170 or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
41428	DTC 4FLR	Classroom 402	S	8:00a-12:55p	01/23-05/08

Cabling and Home Network Integration

CIS266 Network Service and Support 4 credits

Prevention, diagnosis, and resolution of hardware-related problems network professionals encounter. Serves as a capstone course to link service and support skills in multi-platform environments. The course focuses on hardware issues in relationship to NetWare, Microsoft, and Linux. Students learn practical skills that optimize resources for networking products through extensive hands-on labs and practical exercises. PR: BPC170 and CIS191 (any module) or CIS175DB, and CIS245 or MST152, or any UNIX/Linux course.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
35794	DTC 4FLR	Classroom 402	MW	6:00-10:35p	03/22-05/12

MICROSOFT WINDOWS ADMINISTRATION COURSES

CIS175DB Implementing Microsoft Windows 2000 Professional (may also be taken as MST150) 3 credits

Installation, configuration and administration of Microsoft Windows 2000 Professional in a workgroup and domain environment, with emphasis on peer-to-peer networking. Covers user and group accounts, disk management, resource sharing and management, resource monitoring, printers, mobile computing, security and disaster protection are also covered. Covers content of Microsoft exam 70-210. PR: BPC170, CIS190 or CNT140 and/or department approval. CIS109AM recommended.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
35782	DTC 4FLR	Classroom 208	TR	6:00-9:40p	01/19-03/11

MST150 Microsoft Windows Professional (may also be taken as CIS175DB) 3 credits

Knowledge and skills necessary to perform day-to-day administration tasks in a Microsoft Windows-based network. Preparation for Microsoft certification examination. PR: None, CIS190, or CNT140, or MST140 suggested but not required.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39064	DTC 4FLR	Classroom 208	TR	6:00-9:40p	01/19-03/11

MST152 Microsoft Windows 2003 Server (Substitute MST152DB) 4 credits

Installation, configuration and administration of Microsoft Windows 2003 Server in an Active Directory domain environment. The course also emphasizes installation, configuration and administration of network services, including: TCP/IP and other network protocols, Dynamic TCP/IP Configuration Services (DHCP), Name Resolution (DNS and WINS), Routing and Remote Access Services (RRAS), Printer Administration, Terminal Services, Web, Telnet and FTP Services. Covers material for Microsoft exam 70-290. PR: CIS175DB and all other prerequisites associated with this

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
39066	DTC 4FLR	Classroom 208	TR	6:00-10:35p	03/23-05/13

LINUX / UNIX COURSES

CIS126DL Linux Operating System 3 credits

Introduction to the Linux Operating system. Develop knowledge and skills required to install, configure and troubleshoot a Linux-based workstation, including basic network functions. Learn basic command line and Graphical User Interface (GUI) desktop environment utilities and applications. Fundamentals covered to achieve the entry-level industry certification. PR: CIS105 recommended.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
41410	DTC 4FLR	Classroom 405	MW	6:00-10:10p	01/20-03/10
35508	DTC 4FLR	Classroom 405	TR	6:00-9:40p	03/23-05/13

CIS238DL Linux System Administration 3 credits

Managing Linux Operating Systems including sophisticated manipulation of file structures, backup systems, printing processes, troubleshooting, user account management, hard disk maintenance and configuration, process monitoring and prioritizing, kernel customization, and system resource control. Preparation for industry certifications such as the SAIR/GNU LCP and LCA certificates, CompTIA's Linux+, RHCT, RHCE, and LPIC. PR: CIS126AL, CIS126BL and CIS126CL; or CIS126DL or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
41412	DTC 4FLR	Classroom 405	MW	6:00-9:40p	03/22-05/12

CIS239DL Linux Shell Scripting 3 credits

Linux Shell Scripting syntax and methods including the automation of system tasks as well as interpreted user-level programming. Course includes the Linux Borne Again Shell (BASH) as well as a variety of industry competitors. Prerequisites: CIS238DL or permission of instructor.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
54108	DTC 4FLR	Classroom 405	MW	6:00-10:10p	01/20-03/10

CIS240DL Linux Network Administration 3 credits

In depth networking based on Linux servers and the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol suite. Integrating Linux servers and workstations into a network environment with multi-platform network operating systems including a variety of open-standard and proprietary protocols. Preparation for industry certifications such as the SAIR/GNU LCP and LCA certificates, CompTIA's Linux+, RHCT, RHCE, and LPIC. PR: CIS126AL, CIS126BL and CIS126CL; or CIS126DL or department approval.

<u>Section</u>	<u>Location</u>	<u>Room</u>	<u>Days</u>	<u>Times</u>	<u>Class Dates</u>
54109	DTC 4FLR	Classroom 405	TR	6:00-9:40p	01/19-03/11

MCC policies on registration, fees, withdrawals, etc. can be found in the Student Handbook, the MCC Catalog, and on MCC's web site <<http://www.mc.maricopa.edu/students/current.html>>.

