

Computer Education Program

Inside:

In-demand IT
skills for the
Portland market:

- Web Development
- Programming
- Office Skills
- Desktop Support
- Networking



**Professional
training at
affordable
prices!**

Computers: Non-credit and Continuing Education

For more information call, 503 731-6604

Computer classes through the Extended Learning Campus are offered at the Central Portland Workforce Training Center across from OMSI, Capital Center on the corner of SW 185th and Walker Road in Beaverton, and at the Southeast Center on the corner of SE 82nd and Division. Classes are taught by qualified instructors with each student working on a computer in our modern well-equipped classrooms. Courses are designed for students who need to learn computer basic computer skills to create documents or manage data or to upgrade their computer skills for work related activities. After successful completion of Continuing Education classes, students will receive Continuing Education Unit (CEU) credit. A permanent PCC transcript of CEUs is available if needed for current or prospective employers. Senior discount is not available for CEU classes. The Tuition price includes all course materials and books. Please visit our web site at computers.pcc.edu for updated information about classes.

Classes for Seniors and New Computer Users

For more information call, 503 788-6200

Computer Fundamentals

Computer Fundamentals: Level I Get trained in all the basics like computer terminology, managing files and how to use the mouse. Perfect for beginners and (senior) adults with no prior computer experience. Taught by a patient instructor using easy to understand terms.

47626	Capital	WCWTC 1517	9:00A-11:00A	TR	9/29-10/8	Buesseler
		Tuition: \$95.				
47628	Central	CPWTC 207	10:00A-12:00P	S	10/3-10/24	Elliott
		Tuition: \$95.				
47630	SE Center	TABOR 117	6:30P-8:30P	MW	10/26-11/4	Elliott<
		Tuition: \$95.				

Computer Fundamentals: Level II Develop the "practical skills" necessary to enjoy and operate your computer with confidence! Learn a variety of tasks such as writing a letter, printing and personalizing the computer settings to make it easier and more fun to use.

47632	Capital	WCWTC 1517	9:00A-11:00A	TR	10/13-10/22	Buesseler
		Tuition: \$95.				
47634	Central	CPWTC 207	10:00A-12:00P	S	10/31-11/21	Elliott
		Tuition: \$95.				
47635	SE Center	TABOR 117	6:30P-8:30P	MW	11/16-11/25	Elliott
		Tuition: \$95.				

Computer Fundamentals: Level III Learn to play music and video on your computer and how to customize your system. Practice creating and saving folders so you'll never lose a file again. We even cover basic system maintenance and what to do if your computer gets a virus.

47636	Capital	WCWTC 1510	9:00A-11:00A	TR	10/27-11/5	Buesseler
		Tuition: \$95.				
47637	Central	CPWTC 207	9:00A-11:00A	W	10/14-11/4	DeAngelis
		Tuition: \$95.				
47638	SE Center	TABOR 117	6:30P-8:30P	MW	11/30-12/9	Elliott
		Tuition: \$95.				

Internet Fundamentals: Level I The Internet can seem a vast and intimidating place. Learn how to "surf the web" and find the information you need and want. We will visit some popular sites, cover basic online safety and set up a Yahoo webmail to send & receive email!

47648	Capital	WCWTC 1517	1:30P-3:30P	TR	9/29-10/8	Buesseler
		Tuition: \$95.				
47649	Central	CPWTC 205	1:00P-3:00P	S	10/3-10/24	Williams
		Tuition: \$95.				
47657	SE Center	TABOR 117	2:00P-4:00P	MW	10/26-11/4	Kunz
		Tuition: \$95.				

Internet Fundamentals: Level II Build your email and web skills and learn to do more cool things on the internet! We'll practice attaching pictures to an email, watch YouTube videos and listen to internet radio. We'll even go shopping online and make online travel plans.

47650	Capital	WCWTC 1517	1:30P-3:30P	TR	10/13-10/22	Buesseler
		Tuition: \$95.				
47651	Central	CPWTC 205	1:00P-3:00P	S	10/31-11/21	Williams
		Tuition: \$95.				
47658	SE Center	TABOR 117	2:00P-4:00P	MW	11/16-11/25	Kunz
		Tuition: \$95.				

Fundamentals of Word: Level I Come learn the basics of navigating Microsoft Word. We'll have you creating documents, entering text, revising, formatting, saving, retrieving and printing with ease. You'll walk away feeling confident enough to tackle almost any document!

47644	Capital	WCWTC 1512	3:00P-5:00P	WF	10/14-10/23	Hanson
		Tuition: \$95.				
47645	SE Center	TABOR 112	9:00A-11:00A	TR	10/27-11/5	DeAngelis
		Tuition: \$95.				

Fundamentals of Word: Level II Learn advanced topics like handling images, creating tables, and applying all sorts of fancy formatting tricks, cool styles and templates to give your documents the professional quality and artistic creativity you desire.

47646	Capital	WCWTC 1512	3:00P-5:00P	WF	10/28-11/6	Hanson
		Tuition: \$95.				
47647	SE Center	TABOR 112	9:00A-11:00A	TR	11/10-11/19	DeAngelis
		Tuition: \$95.				

Fundamentals of Excel Acquire the essential skills needed to create and edit simple spreadsheets. Walk away with the ability to enter values and formulas, format your work and use multiple tabs for creating more than one spreadsheet in a document.

47642	Capital	WCWTC 1512	1:00P-3:00P	TR	10/6-10/15	Kunz
		Tuition: \$95.				
47643	SE Center	TABOR 111	3:15P-5:15P	MW	11/16-11/25	DeAngelis
		Tuition: \$95.				

La Computadora en Español

La Computadora en Español: Nivel 1 Introduce conceptos basicos de como operar una computadora. Aprenda el nuevo sistema de Windows XP y como utilizar los programas, crear, editar e imprimir documentos.

47652	Capital	WCWTC 1538	9:00A-12:00P	S	10/3-10/24	Garcia
		Tuition: \$65.				

La Computadora en Español: Nivel 2 Introduce conceptos basicos de Word e Internet. Aprenda como crear, archivar, editar, e imprimir documentos profesionales en Word.

47653	Capital	WCWTC 1538	9:00A-12:00P	S	10/31-11/21	Garcia
		Tuition: \$65.				

PC Maintenance & Troubleshooting

PC Maintenance & Troubleshooting for Seniors In jargon-free language, learn what you need to know to maintain your computer. Aimed at senior-adults, it covers troubleshooting problems, installing drivers, updates, optimization, anti-spyware and anti-virus protection and much more!

47654	Capital	WCWTC 1512	10:00A-12:00P	W	10/14-11/4	Buesseler
		Tuition: \$95.				

Web Design

Designing Web Pages -The Basics Learn how to create and upload a website to the Internet. Walk through basic HTML and XHTML, getting comfortable with the language. By the end you will format text, add images and tables, insert hyperlinks and build a navigation bar.

47656	Central	CPWTC 206	9:00A-12:00P	S	10/3-10/31	Podany
		Tuition: \$125.				

Designing Web Pages - Dreamweaver Expand on the principles of Web Design. Learn site management tools, layering and how to include features such as animation. Develop an understanding of how to improve site efficiency by the end of class. Basic computer skills required.

47755	Central	CPWTC 206	9:00A-12:00P	S	11/7-12/12	Podany
		Tuition: \$125. No class Nov 28.				

Computer CEUs: Database Admin Development

For more information call, 503 788-6200

Databases

CEU 976P Databases 101, 2.40 Cr. Learn basic concepts and gain skills in relational database development and administration. Class uses SQL Server Express to teach data modeling, normalization, table keys, indexes, and relationships; retrieving, adding, and updating data; creating and managing well-designed databases. Helpful experience: Basic understanding of Windows, and Office applications such as Excel and Access. Tuition: \$295

47662 Capital WCWTC 1512 8:00A–12:00P S 10/3–11/7 Wright

Microsoft

CEU 978S Programming SQL Server, 4.00 Cr. Covers the fundamentals of SQL Server programming, focusing on basic-to-intermediate level querying and all aspects of relational database design and implementation. Prior database experience is helpful but not required. Tuition: \$795

47727 Central CPWTC 206 5:30P–9:30P W 9/30–12/9 Long
No class Nov 11

CEU 919Q Maintain SQL 2005 Database (MS 2780), 4.00 Cr. Learn skills to maintain a Microsoft SQL Server 2005 database. Topics: manage database files and security, back up and restore databases, and monitor and troubleshoot SQL Server 2005. Course prepares participants for Microsoft Certification. MS 2780. Helpful experience: working knowledge of Transact-SQL, relational databases, and database design. Tuition: \$795

47690 Capital WCWTC 1510 5:30P–9:30P M 10/5–12/7 Long

CEU 9745 Implement Integration Services (SSIS) SQL 2005 (MS 2792), 2.40 Cr. Learn to implement SQL Server 2005 Integration Services (SSIS) packages. Topics include: upgrading from DTS, how to develop and deploy SSIS packages, implement control and data flow, debug and implement error handling, implement checkpoints and transactions, and manage and secure Integration Services packages. Helpful experience: SQL Server 2000/2005, DTS. Tuition: \$495

47688 Capital WCWTC 1510 8:00A–5:00P S 10/3–10/17 Long

Oracle

CEU 909U Oracle: Introduction to SQL, 3.60 Cr. Official Oracle curriculum. Use SQL to create and maintain database objects like tables, store, retrieve, and manipulate data, use advanced techniques such as ROLLUP, CUBE, and set operators. SelfTest Software helps you test your knowledge or prepare for certification. No experience necessary. Tuition: \$970

47721 Central CPWTC 205 5:30P–9:30P TR 9/29–10/27 Schofer

CEU 9185 Oracle: Program with PL/SQL, 3.60 Cr. Official Oracle curriculum. Create PL/SQL application code blocks that can be shared by multiple forms, reports, and applications. Learn to create procedures, functions, packages and use triggers. SelfTest Software helps you test your knowledge or prepare for certification as an Oracle Certified Associate. Needed experience: SQL knowledge. Tuition: \$970

47718 Central CPWTC 205 5:30P–9:30P TR 10/29–12/1 Parman

CEU 918A Oracle: SQL and PL/SQL, 7.20 Cr. Save \$100 by signing up for this course over each course separately. Use SQL to create and maintain database objects like tables, store, retrieve, and manipulate data, use advanced techniques such as ROLLUP, CUBE, and set operators. In the PL/SQL part of the course you will create PL/SQL programs and blocks of code that can be shared by multiple forms, reports, and data management applications. You will create procedures, functions, and packages and learn to use triggers. If you pass the exams in SQL and PL/SQL you will become an Oracle Certified Associate in application development. SelfTest Software helps you test your knowledge or prepare for certification. Tuition: \$1840

47719 Central CPWTC 205 5:30P–9:30P TR 9/29–12/1 Parman
No class Nov 26

Computer CEUs: Multimedia

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

CEU 9706 Organize & Edit Digital Photos, .60 Cr. Learn to install and use Picasa, a free software program that has powerful tools to organize, edit, preserve and share your photos. It doesn't matter where the images come from; you can view, edit, create a slideshow and add effects to create professional looking photos. Also use Picasa to easily remove red eyes or other blemishes, correct lighting, crop and resize to get the best photo. Helpful experience: Basic working knowledge of Windows. Tuition: \$120

47691 Capital WCWTC 1516 9:00A–12:00P S 10/31–11/7 Buesseler

Computer CEUs: Networking

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

CEU 9768 Storage Area Networks, .60 Cr. Expand your skills and marketability by learning the basics of Storage Area Networking. Study basic SAN principles, the difference between NAS and SAN, and different storage switches. You will build a basic understanding of the need for SAN in the world. Helpful experience: basic computer and networking skills. Tuition: \$115

47697 Capital WCWTC 1516 8:30A–3:30P S 10/24– Allen

CEU 976T Managing IT People, 1.80 Cr. Learn to effectively manage technical personnel for the successful delivery of technical projects. Topics include: Management theories for managing technical personnel, challenges and strategies for the technical and non-technical manager, building trust and respect, learning about the work, and your people, and setting realistic expectations. Helpful experience: management experience in a technical environment. Tuition: \$295

47698 Capital WCWTC TBA 6:00P–9:00P TR 10/20–11/5 Hefner

CEU 9788 Implementing Social Software, 2.00 Cr. Improve or create employee and customer communication, coordination, and sharing via blogs, wikis, forums, and other interaction. Let customers and fans connect and collaborate and increase customer loyalty as well as traffic to your web site. Get insight into your customers and engage them. Covers current technology, planning, promotion, and measurement needed to implement a successful online community and also discuss how sites like Facebook and LinkedIn can be used in your own online community. Tuition: \$250

47739 SE Center TABOR 118 5:30P–8:00P MW 11/16–12/9 Leissler

Cisco

CEU 960Q Networking Fundamentals, 6.00 Cr. This course covers the basics of networking and is intended for those who want to acquire the following skills: network terminology and protocols, local-area networks (LANs), wide-area networks (WANs), Open System Interconnections (OSI) and TCP/IP models, cabling standards, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and network standards. Tuition: \$975

47746 SE Center TABOR 112 6:00P–9:00P TR 9/29–12/8 Schleinkofer
No class Nov 26

CEU 997C Cisco Cert. Network Associate CCNA 1, 6.00 Cr. Cisco Official Curriculum. Provide an understanding of computer basics, OSI model, Physical Plant/Cabling, Network Topologies, IP addressing/subnetting, TCP/IP network layer protocols, and basic network design. CCNA 1 & CCNA 2 prepares you for the 640-822 ICND1 Intro exam. PCC is an authorized Regional Cisco Networking Academy. All Cisco official curriculum courses are taught by Cisco certified instructors and designed to provide hands-on experience and meet the objectives of Cisco certification exams. Tuition: \$975

47734 SE Center TABOR 112 6:00P–9:00P TR 9/29–12/8 Schleinkofer
No class on Nov 26

CEU 9609 Cisco Cert. Network Associate CCNA 3, 4.80 Cr. Cisco Official Curriculum. Intro to LAN switching, VLAN's, Interior Gateway Routing Protocol, Access Lists and IPX Routing Protocol. Topics cover Cisco's Internetwork Operating System commands & configurations. CCNA 3 and CCNA 4 prepare you for the #640-816 ICND2 exam. PCC is an authorized Regional Cisco Networking Academy. All Cisco official curriculum courses are taught by Cisco certified instructors and designed to provide hands-on experience and meet the objectives of Cisco certification exams. Prereq: CCNA 1 & 2. Tuition: \$975

47732 SE Center TABOR 112 5:30P–9:30P MW 9/21–10/28 Ellson

CEU 985P Cisco Cert. Network Associate CCNA 4, 4.00 Cr. Cisco Official Curriculum. Intro to WAN design, Point-to-Point Protocol (PPP), Integrated Services Digital Network (ISDN), and Frame Relay router configurations. Emphasis: WAN design & threaded case study. CCNA 3 and CCNA 4 prepare you for the #640-816 ICND2 exam. PCC is an authorized Regional Cisco Networking Academy. All Cisco official curriculum courses are taught by Cisco certified instructors and designed to provide hands-on experience and meet the objectives of Cisco certification exams. Prereq: CCNA 1, 2, & 3. Tuition: \$825

47733 SE Center TABOR 112 5:30P–9:30P MW 11/2–12/7 Ellson
No class Nov 11

Juniper Network

CEU 9744 Operating Juniper Network Routers (OJRE), 3.00 Cr. Course focuses on installation, configuration, and operational analysis of Juniper Networks router in the enterprise environment, including both M-series and J-series models. Router configuration includes J-Web graphical user interface (GUI) and the JUNOS software command-line interface (CLI) as well as general router configuration for RIP, Static and OSPF routing. Class provides an overview of IPsec VPNs and stateful firewall/NAT. Tuition: \$595

47747 SE Center TABOR 112 6:00P–9:00P F 10/2–12/11 Richmond
No class Nov 27

Wireless Networking

CEU 977R Understanding Wireless LAN Technologies, 3.00 Cr. Designed to give participants the ability to understand foundation concepts for wireless LANs including radio frequency and antenna fundamentals, radio frequency measurements, spread spectrum technologies, modulation and coding, and throughput issues. Also covers IEEE 802.11 signal in detail including framing, carrier sense, beacons, authentication, and data flow. First of three classes for the Certified Wireless Network Administrator (CWNA) exam. Tuition: \$475

47749 SE Center TABOR 112 2:30P–5:30P T 10/6–12/8 Elliott

Comptia

CEU 977V Networking 101, 2.40 Cr. Provides participants with the knowledge to identify the major networking operating systems, define & describe the OSI model, recognize the characteristics of networking media & connectors, understand remote connectivity & networking practices. Course prepares participants for the Network+ exam. Tuition: \$395

47745 SE Center TABOR 118 6:00P–9:00P T 10/6–11/24 Chow

CEU 911J Network+ Certification Exam Prep, 2.40 Cr. This course will provide students with knowledge of networking technology and networking practices. The course also prepares students for the Network+ certification exam. Tuition: \$395

47744 SE Center TABOR 118 6:00P–9:00P T 10/6–11/24 Chow

Microsoft

CEU 9630 Manage & Maintain W2K3 Server (MS 70-290), 6.40 Cr. Learn skills to install, configure, administer, and support the primary services of Microsoft Windows Server 2003. Through hands-on exercises, participants will gain a solid understanding of server administration, as well as prepare for Microsoft Certification Exam 70-290. Helpful experience: Windows operating system and networking experience or training. Tuition: \$1095

47685 Capital WCWTC 1516 5:30P–9:30P TR 9/29–11/19 TBA

CEU 977I Administering Windows Server 2008 (MS 70-646), 4.00 Cr. Learn to plan, manage, and maintain Microsoft Windows Server 2008 servers. Topics include: Plan and implement Windows Server deployment, Active Directory, application services, file and print service and storage solutions. Implement Server security, application versioning, and high-availability deployment. Define, plan and implement server backup and restore. Troubleshoot hardware, software and network issues. Helpful experience: 2-3 years experience administering Microsoft Windows Servers. Tuition: \$795

47756 Capital WCWTC 1516 5:30P–9:30P W 9/30–12/9 Morgan
No class Nov 11th

Computer CEUs: Operating Systems

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

Linux & Unix

CEU 976V Linux/UNIX Core Skills, 2.40 Cr. Businesses increasingly need people with cross-platform skills in Windows and Linux or UNIX. This class is for people who want to learn how to use Linux/UNIX effectively. It covers the command line interface, basic commands, navigating the file system, security, editors, simple scripting, and basic network configuration. Helpful experience: knowledge of Windows, Linux, Mac OS. Tuition: \$295

47742 SE Center TABOR 117 4:00P–7:00P MW 9/28–10/21 Rendar

CEU 9183 Connecting Windows & Linux with Samba, .40 Cr. Save money on licensing and resources by using Linux as a file or print server for Windows. You will learn how to setup, configure and secure Samba, an implementation of Microsoft's file sharing protocol. Helpful experience: Windows and UNIX/Linux system administration experience. Tuition: \$95

47710 Capital WCWTC 1517 5:30P–9:30P W 11/18– Ewan

Microsoft

Transitioning from XP to Vista Learn the key differences between Windows Vista & XP. The new interface is covered along with sections on the Start menu, the Search box, the different versions of Vista, User Accounts and much more to help you work efficiently with Vista.

47655 Capital WCWTC 1512 1:00P–5:00P M 11/9– Buessler
Tuition: \$69.

Computer Basics for Non-Native Speakers

CEU 976R Computer Basics for Non-Native English Speakers, 1.50 Cr. Class provides an orientation to basic computer functions for non-native English speakers. Class covers basic computer concepts, Internet, email and basics of MS Word including document writing, saving and printing. Tuition: \$100

47769 Capital WCWTC 1510 9:00A–12:00P F 9/25–10/23 TBA

47770 Capital WCWTC 1510 9:00A–12:00P F 10/30–12/4 TBA
No class Nov 27th

Computer CEUs: PC Desktop Support

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

Comptia

CEU 9690 A+ Essentials Exam Prep I, 2.40 Cr. This course provides a thorough, step-by-step process for learning the fundamentals of supporting and troubleshooting computer hardware and operating systems so that participants will be prepared to pass CompTIA's A+ Essentials certification exam (2006 objectives). Tuition: \$395

47706 Central CPWTC 207 6:00P–9:00P TR 9/29–10/22 Burns

CEU 9644 A+ Essentials Exam Prep II, 2.40 Cr. This course provides a step-by-step process for supporting and troubleshooting computer operating systems so that participants will be prepared to pass CompTIA's A+ certification exam (2006 objectives). This course covers a wide range of material from demonstrating how the boot process works, through installing, supporting, and troubleshooting windows operating systems with an emphasis on customer support. Tuition: \$395

47707 Central CPWTC 207 6:00P–9:00P TR 10/27–11/19 Burns

Microsoft

CEU 9620 Support User Apps on Win XP (MCDST), 4.00 Cr. Learn the skills necessary to troubleshoot basic problems end users will face while running Microsoft Windows XP Pro in an Active Directory network environment, or Windows XP Home Edition in a workgroup environment. Participants will also gain skills in configuring and maintaining applications on Windows XP. Course prepares participants for MCDST certification exams. Tuition: \$795

47717 Central CPWTC 207 5:30P–9:30P MW 9/28–10/28 Burns

Repair & Maintenance

CEU 960V Computer Maintenance 101, 1.80 Cr. Course provides the non-technical user with skills to maintain, troubleshoot and repair computer hardware and software. Topics include operating system maintenance, installing drivers, updates, optimization, anti-spyware and anti-virus protection. Tuition: \$300
47709 Central CPWTC 207 6:00P-9:00P MW 11/16-12/2 Burns

Computer CEUs: Programming

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

CEU 960P Java Programming Language, 4.00 Cr. Official Sun Curriculum. Object-oriented design, creating graphical user interfaces, exceptions, file input/output, threads and networking. Prepares students for the Sun Microsystems Java Certification Exam. Free SelfTest Software Exam included. Tuition: \$735

47740 SE Center TABOR 111 5:30P-9:30P TR 9/29-10/29 Leissler

CEU 9797 Python, 1.80 Cr. Python is a language that powers critical business systems and is in wide-spread use in applications ranging from film production to video games, scientific analysis, web applications, and databases. Large companies like Google and Intel as well as smaller businesses use Python. Python is unique in that it emphasizes making code readable and easier to understand. Tuition: \$270

47695 Capital WCWTC 1512 6:00P-9:00P M 10/12-11/16 Reinhardt

Microsoft

CEU 96Q Introduction to Programming .NET w/VS 2005 (MS 4994), 4.00 Cr. This course is an entry point for developers new to Visual Studio 2005 and .NET programming. Topics include using VS '05, object-oriented programming, and creating simple Windows Forms and Web applications. Helpful experience: some programming experience. Tuition: \$795

47689 Capital WCWTC 1510 5:30P-9:30P W 9/30-12/9 TBA
No class Nov 11

CEU 970A Programming w/C#, 4.00 Cr. Introduces participants to the Microsoft .NET framework focusing on C# program structure, syntax, and implementation for the .NET platform. Covers the concepts of object-oriented programming, common objects and references, and classes to develop robust applications. MS 2124. Helpful experience: programming C/C++ experience or training. Tuition: \$795

47687 Capital WCWTC 1512 5:30P-9:30P T 9/29-12/1 Dindukurthi

CEU 977J Foundations of .NET Development (MS 70-536), 4.00 Cr. Learn the program Microsoft .NET Applications using the Visual Studio development system. Topics include: use types and contracts, manage collections, deploy and configure assemblies, monitor and debug applications, use cryptography, and secure code execution. Prepares students for the MCTS Exam 70-536. Helpful experience: basic programming understanding of the .NET Framework. Tuition: \$795

47728 Central CPWTC 205 5:30P-9:30P M 9/28-11/30 Koser

Computer CEUs: Technology for Small Business

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

Computer Accounting

CEU 9180 Quickbooks, 3.20 Cr. This course provides an understanding of financial software concepts and specific techniques to set up and manage finances using QuickBooks. Course covers how to handle basic business transactions including cash sales, invoices, payments and deposits, setting up vendors and customers, and reconciling bank and credit card accounts. Course also covers budgeting and the usefulness of financial reports. Tuition: \$415

47696 Capital WCWTC 1517 5:30P-9:30P MW 10/12-11/4 Crofts

Microsoft

CEU 976W Online Networking Resources, 1.00 Cr. Learn to use Social Online Networking tools to make your professional and personal life more productive and fun. Keep in touch, find a friend or stay up on the latest news through Online Networking resources like Facebook, LinkedIn, Twitter and MySpace. Helpful experience: Comfortable using a Windows computer and accessing the internet. Tuition: \$125

47753 SE Center TABOR 118 6:00P-8:00P R 10/8-11/5 Ellwood

CEU 918W Visio Basics, .40 Cr. Become more proficient in creating flow diagrams, basic organization charts, and network diagrams. Navigate in the Visio file, manipulate stencils, use master shapes, and connect shapes in a diagram with dynamic connectors. Tuition: \$69

47701 Capital WCWTC 1517 8:30A-12:30P S 10/24- Smith

Computer CEUs: Web Development

For more information call, 503 788-6200

Visit our Web site at computers.pcc.edu for updated information.

CEU 976S Web Site Development 101, 2.10 Cr. Want to build your very first web site, but not sure where to start? Considering a career involving web design? Then take this class! Learn to use HTML and CSS to build a professional web site that is easy to update and works perfectly across all browsers. Get started doing it right the first time and avoid the bad habits that you will have to "unlearn" later. Helpful experience: Basic working knowledge of Windows and the Internet. Tuition: \$295

47702 SE Center TABOR 118 6:00P-9:00P MF 10/19-11/9 DeAngelis

CEU 977W HTML, 2.40 Cr. Learn to write and use HTML for producing effective web sites. Course covers web site design, navigation principles hyperlinks, tables, frames, forms and Cascading Style Sheets (CSS). An added emphasis of this course is the use of CSS for both formatting and for creating dynamic content. Other topics include in-depth CSS, Server Side Scripting and Client Side Scripting. Prerequisite: comfortable working with Windows. Tuition: \$395

47686 Capital WCWTC 1510 8:30A-12:30P S 10/24-12/5 DeAngelis
No class on Nov 28

47714 Central CPWTC 207 1:00P-5:00P F 10/16-11/20 Kunz

CEU 981P Flash, 1.20 Cr. Flash vector graphic technology has visually brought the web to life. Learn to create fast downloading rollovers, computer animations and banner ads-even behavior scripting and interactivity. Prerequisite: HTML. Tuition: \$170

47713 Central CPWTC 206 6:00P-9:00P TR 11/3-11/12 Charamella

CEU 981N Dreamweaver, 1.80 Cr. Plan and publish professional websites by using Dreamweaver. Learn to use site management tools, and features such as animation, inserting images, layering, frames and uploading to efficiently design and develop a web site. Prerequisite: Basic working knowledge of Windows. Tuition: \$295

47711 Central CPWTC 206 6:00P-9:00P TR 9/22-10/8 Charamella

CEU 9719 Dreamweaver Level 2, 1.80 Cr. Learn to use Dreamweaver to more fully utilize all the time saving features: use the layout tools, create web based form, use templates and library items, insert media types, extend functionality and work with XHTML. Helpful experience skills equivalent to Dreamweaver Level 1. Tuition: \$295

47712 Central CPWTC 206 6:00P-9:00P TR 10/13-10/29 Charamella

CEU 9786 Photoshop, 1.80 Cr. Course provides skills to work in the Photoshop environment including how to manipulate color, texture, and image size and quality; select and modify images; create and manipulate layers and other effects; retouch and resize images. Course also covers color correction and some special effects. Tuition: \$295

47724 Central CPWTC 206 6:00P-9:00P TR 11/17-12/3 Charamella
No class Nov 26

CEU 975 Graphic Design for Websites, 1.80 Cr. Creating a successful web site takes more than code. A solid foundation in graphic design will help you create professional sites that look and perform better. Learn best practices of design for the web including page layout, color theory, typography, usability, and the design process, using real-world examples. Photoshop is used for assignments, so knowledge of this software is helpful. Tuition: \$245

47738 SE Center TABOR 111 6:00P-9:00P W 10/21-12/2 Margherio
No class Nov 11

CEU 978A JavaScript, 1.80 Cr. Learn the most widely used language for the Web. Enhance and make your web pages more dynamic, smarter, and interactive, add functionality, check forms and input. Learn to make decisions, use loops, and respond to events like clicks. Helpful experience: HTML. Tuition: \$295

47741 SE Center TABOR 111 6:00P-9:00P T 11/3-12/8 Bishop

CEU 9608 PHP & MySQL, 3.00 Cr. PHP is in the top 3 of most popular and in demand scripting languages, especially for web development. Course is designed to provide the skills needed to develop programs using the PHP 5 language and the integration of data into dynamic Web content via a relational database. Tuition: \$400

47725 Central CPWTC 205 6:00P-9:00P W 9/30-12/9 Keen

CEU 9789 PHP Programming for the Web, 2.40 Cr. PHP is a language in demand by many companies because it is oriented toward web development and creating dynamic web pages. It is also used to connect to a database in a web application. Covers how to write simple PHP applications, control sessions, debugging and making scripts secure, and how to use PHP together with a database. Helpful experience: [X]HTML, HTML forms. Tuition: \$295

47692 Capital WCWTC 1510 6:00P-9:00P TR 10/6-10/29 Botsko

CEU 96J Intro to Apache Web Server, .60 Cr. Apache is the most used and widespread web server on both Linux and Windows. This class will give you the basics of installing it securely. Depending on class interest, emphasis will be on Linux or Windows. Helpful experience: Linux and Windows administration. Tuition: \$145

47708 Central CPWTC 207 6:00P-9:00P TR 12/1-12/3 Ewan

CEU 917U Building Websites with AJAX, 2.40 Cr. Bring richness and responsiveness to your website using the methods that make Google maps so much fun. Learn the techniques and tools of AJAX to bring speed and interactivity to your web presence. With Asynchronous JavaScript and XML you will find a new way to impress your web visitors. An AJAX toolkit will also be used to develop projects. Suggested prerequisites: HTML and JavaScript knowledge. Tuition: \$350

47663 Capital WCWTC 1517 6:00P-9:00P T 9/29-11/17 Randolph

CEU 976E Mobile Web Development, 2.40 Cr. Expand your skills and marketability by learning to build web sites for mobile phones and other handheld devices. Study design principles, device adaptation, usability, standards and best practices for mobile web development. You will build a device adapted mobile web site. For web developers or programmers familiar with XHTML, CSS, and JavaScript. Tuition: \$350

47743 SE Center TABOR 118 5:30P-9:30P W 9/30-11/4 Frederick

CEU 916T Advanced Mobile Web Development, 2.40 Cr. Learn to build advanced mobile web sites for iPhone, Android, Blackberry, Windows Mobile and other smartphones. Topics include: interoperability, optimizing markup for advanced micobrowsers, embracing WebKit extensions, JavaScript and AJAX on mobile devices and effective use of device databases. Class project is to build an interactive, device-adapted mobile web site targeting smartphones. Helpful Experience: Knowledge of Mobile Web design basics. Tuition: \$350

47762 Capital WCWTC 1512 5:30P-9:30P R 10/1-11/5 Frederick

CEU 9649 Word - Level III, .60 Cr. Organize projects with forms & advanced tables, track changes, prepare documents for sharing & securing; use macros to simplify document creation; use Excel integration; perform calculations & create digital signatures. Helpful experience: Familiarity with Windows. Tuition: \$120

47705 Capital WCWTC 1517 8:30A-3:30P S 11/21- Ellwood

47752 SE Center TABOR 117 8:30A-3:30P F 10/16- Daniels

CEU 9650 Excel - Level I, .60 Cr. Learn to create spreadsheets to manage financial information or organize your life with text or numerical information. You can sort, combine, format or insert a formula to calculate meaningful results. Add numbers instantly with AutoFill, create charts for visual results, and change the look of your document with formatting. Helpful experience: Familiarity with Windows. Tuition: \$120

47682 Capital WCWTC 1517 8:30A-3:30P F 10/16- Smith

47735 SE Center TABOR 117 8:30A-3:30P S 10/3- Smith

CEU 9766 Excel - Level II, .60 Cr. Learn how to track your investments, save time performing financial functions, sort and extract data in a simple database. Topics include formulas, grouping, filtering, templates, using multiple worksheets, and adding ClipArt, SmartArt, and pictures. Helpful experience: Familiarity with Windows. Tuition: \$120

47683 Capital WCWTC 1517 8:30A-3:30P F 10/23- Smith

47736 SE Center TABOR 117 8:30A-3:30P S 10/10- Smith

CEU 96N Excel - Level III, .60 Cr. Learn how to use the power of Excel to create professional spreadsheets with more advanced features. Topics include advanced formulas and functions, lookup, financial and data analysis tools, collaborating in Excel, using macros, PivotTables and consolidating worksheets. Helpful experience: Familiarity with Windows. Tuition: \$120

47684 Capital WCWTC 1517 8:30A-3:30P F 10/30- Smith

47737 SE Center TABOR 111 8:30A-3:30P S 10/17- Smith

CEU 987X Access - Level I, 1.20 Cr. Learn the basics of Access and the new Ribbon interface. Topics include creating tables, forms & reports; record management; building, managing & maintaining databases. Helpful experience: Familiarity with Windows. Tuition: \$195

47659 Capital WCWTC 1512 8:30A-3:30P F 10/2-10/9 Daniels

47729 SE Center TABOR 117 8:30A-3:30P S 10/17-10/24 Roshak

CEU 998A Access - Level II, .80 Cr. Work with intermediate concepts that include designing relational databases, querying with calculation, using advanced queries and customizing forms & reports. Helpful experience: Familiarity with Access. Tuition: \$145

47660 Capital WCWTC 1512 8:30A-12:30P F 10/23-10/30 Daniels

47730 SE Center TABOR 117 8:30A-12:30P S 10/31-11/7 Roshak

CEU 981Y Access - Level III, .80 Cr. Learn the advanced features of MS Access including select queries, setting up complex forms and reports, customizing the database interface, setting security options, and integrating Access with other Office applications, including Word, Excel, and Outlook. Tuition: \$145

47661 Capital WCWTC 1512 8:30A-12:30P F 11/6-11/13 Roshak

47731 SE Center TABOR 117 8:30A-12:30P S 11/14-11/21 Roshak

CEU 998C PowerPoint, .60 Cr. Create interesting slide show presentations with design templates, ClipArt, animation and sound. Additional features include inserting charts, transition effects and using SmartArt diagrams. Helpful experience: Familiarity with Windows. Tuition: \$125

47726 Central CPWTC 205 8:30A-3:30P S 9/26- Roshak

CEU 918Z Outlook - Level I, .40 Cr. Master basic skills required for the effective use of MS Outlook by learning how to send, receive and respond to email messages; work with contacts, Calendar, tasks and notes. Tuition: \$69

47722 Central CPWTC 205 8:30A-12:30P S 10/3- Roshak

CEU 9190 Outlook - Level II, .40 Cr. Master Advanced Outlook skills such as changing program options, searching, managing junk email, customizing the Outlook environment, creating rules and filters, organizing the Inbox and folders, working with contact journals and collaborating with others by sharing folders and calendars. Tuition: \$69

47723 Central CPWTC 205 8:30A-12:30P S 10/10- Roshak

CEU 998G MS Project - Level I, .60 Cr. Learn project management using MS Project. Course covers working with projects, printing views and reports, changing the page setup, starting new schedules and editing tasks. Tuition: \$125

47693 Capital WCWTC 1512 8:30A-3:30P S 11/14- Charamella

CEU 998F MS Project - Level II, .60 Cr. Learn to use the intermediate features of MS Project. Evaluate and adjust time, resource and cost factors; customize reports, control printed output and work with multiple projects. Tuition: \$125

47694 Capital WCWTC 1512 8:30A-3:30P S 11/21- Charamella

CEU 918W Visio Basics, .40 Cr. Become more proficient in creating flow diagrams, basic organization charts, and network diagrams. Navigate in the Visio file, manipulate stencils, use master shapes, and connect shapes in a diagram with dynamic connectors. Tuition: \$69

47701 Capital WCWTC 1517 8:30A-12:30P S 10/24- Smith

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CEU 9844 Transitioning to Office 2007, .30 Cr. Discover the differences in the new and enhanced features of Microsoft Office 2007. Explore the changes in Word, Excel, PowerPoint, Outlook and Access. Topics include ribbons, contextual tabs, galleries, styles and themes, conditional formatting, filtering, charts, enhanced graphic effects, sending and receiving emails, creating forms and tables and importing data. Tuition: \$69

47699 Capital WCWTC 1517 9:00A-12:00P S 10/31- Daniels

47748 SE Center TABOR 118 6:00P-9:00P T 9/29- Daniels

CEU 9579 Word - Level I, .60 Cr. Create professional looking letters and reports or use email merge for special mailings with Microsoft Word. Topics: Create, save & edit documents; move, copy & replace text; change fonts; set tabs; add page numbers, columns, bullets, borders & shading. Helpful experience: Familiarity with Windows. Tuition: \$120

47703 Capital WCWTC 1517 8:30A-3:30P S 11/7- Gasper

47750 SE Center TABOR 117 8:30A-3:30P F 10/2- Hanson

CEU 926Z Word - Level II, .60 Cr. Create attractive newsletters, professional research papers or write that book using the more advanced features of Microsoft Word. Apply styles and themes; use ClipArt, SmartArt, WordArt, tables, templates, columns, Footnotes and Endnotes to enhance basic documents. Helpful experience: Familiarity with Windows. Tuition: \$120

47704 Capital WCWTC 1517 8:30A-3:30P S 11/14- Gasper

47751 SE Center TABOR 117 8:30A-3:30P F 10/9- Hanson

CEU 976W Online Networking Resources, 1.00 Cr. Learn to use Social Online Networking tools to make your professional and personal life more productive and fun. Keep in touch, find a friend or stay up on the latest news through Online Networking resources like Facebook, LinkedIn, Twitter and MySpace. Helpful experience: Comfortable using a Windows computer and accessing the internet. Tuition: \$125

47753 SE Center TABOR 118 6:00P–8:00P R 10/8–11/5 Ellwood

CEU 9776 InDesign Level I, 1.80 Cr. Learn to design and produce professional documents such as posters, invitations, brochures and newsletters using InDesign's page layout software. Topics include creating frames, importing and editing text, creating images, drop caps, filling objects, creating color gradients, text wrap, master pages, inserting tables and tabs, and paragraph, character and object styles. Helpful Experience: Familiarity with MS Office. Tuition: \$345

47715 Central CPWTC 206 8:30A–3:30P F 10/2–10/16 Bishop

CEU 9780 InDesign Level II, 1.80 Cr. Learn to design and produce longer, multi-page professional documents using advanced features of InDesign's page layout software. Topics include master pages, styles, objects, using layers, color issues and tabs and tables. Helpful Experience: Familiarity with basic features of InDesign. Tuition: \$345

47716 Central CPWTC 206 8:30A–3:30P F 10/23–11/6 Bishop

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