Ethical Hacker

IT professionals are constantly challenged to keep up with the increasing security threats we are all facing. There are many courses that teach defense in various forms, but few that show you what the hackers are really doing. People who learn ethical hacking are called “security testers” or “penetration testers” (or, more commonly, “pen testers”). Very large enterprises employ outside pen testers to attempt to crack their systems, and there is a growing demand for dedicated pros. But the pen testing skills are also valuable for IT staff in smaller operations because they can get most of the benefits at a much lower cost in-house. This class takes you beyond certificates like Network+ and Security+ and teaches you the current, real tools and techniques that hackers and social engineers are using against you and the people you support. An intensive study of software hacking tools, this course provides specific training for the demanding CEH exam.

Course: 63135 $995 For: 28 hours
SUA-PD: Jul 11-Aug 1 TTh 8:00am-12:00pm

For more information, see page 8.
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Welcome!

Our program offers the tools for tomorrow, today. We provide quality up-to-date curriculum in a variety of Digital Arts and IT topics to meet your creative, vocational and personal goals. Our instructors are professionals in the fields they teach, providing valuable opportunities for networking and real-world experience.

Pursue a certificate in the topic of your choice or just explore the classes that interest you. If you have prior experience or specific goals, customizing your certificate program is an option. Make an appointment for advisement, stop by to see our facility, or just register to get started. We are conveniently located on University Boulevard, just north of Indian School with free parking.

About Our Classes

UNM Continuing Education provides non-credit training in many areas of Digital Arts and Computers/IT. You will find a combination of theory, computer training and business classes to meet your needs. In addition, we are a CompTIA partner and the only Apple Authorized Training Center in New Mexico. We offer individual classes open to anyone over 18 as well as many professional certificate programs for those Pursing a career in one of these areas. Any class may be taken as part of a certificate program or independently. Computer classes are held in one of our Windows or Apple computer labs.

Learning Objectives

Our Digital Arts and Computers/IT programs are responsive to the current business environment and provide outcomes that can be applied on the job or to personal goals immediately. Our content is consistently evaluated to bring you the latest tools for success. We design a curriculum that is engaging, interactive and relevant to the specific tasks and responsibilities of the field.

Our Campus

Our campus is conveniently located in central Albuquerque on University Blvd., just north of Indian School Road with free parking. Most classes are held on our campus at 1634 University Blvd NE, Albuquerque, New Mexico. Stop by to visit or make an appointment for a tour.

Our Instructors

We work with instructors who are industry experts and enjoy teaching the concepts and skills that are part of their own daily work. Their knowledge of the latest tools and techniques allows them to accurately and effectively respond to your individual and business needs. In addition, our instructors provide valuable opportunities for networking and real-world experience. For more information about our instructors, please see our website at ce.unm.edu.
Master Certificates

Pursue a professional master certificate to start a career, advance in your job, start your own business, sell your product or service or reach your own personal goals. All certificate programs are designed to prepare students for an internship, entry-level employment or business. Customized certificates are also available for those who have previous experience or specific goals in mind.

Certificate Programs

UNM Continuing Education offers over 25 non-credit professional certificates and over a hundred individual courses in Digital Arts and Computers/IT, to help you obtain the knowledge, skills and abilities for your vocational goals. For a complete list of certificate requirements and costs for each certificate program, please visit our website at ce.unm.edu.

Digital Arts
Adobe Series
Apple Certified Pro: Video Editing or Music Production
Apple/Mac
Business and Marketing for Visual Arts
Digital Filmmaking
Digital Photography, Level I and II
Graphic Design, Level I and II
Instructional Media Developer
Multimedia: Graphic/Web Design
Multimedia: Motion Graphics
Social Media
Web Administrator
Web Design, Level I and II
Web Design Online
Web Developer

Computers/IT
Computer Literacy
Apple/Mac
Apple Certified Support Professional (ACSP)
CompTIA Certifications: A+, Network+, Security+, Healthcare IT Technician
IT Service Management
AutoCAD
Geographic Information Systems
IT Professional Online

Online Certificates

Online Certificates

Enjoy the luxury of pursing a certificate from home or work. A complete listing of our online certificates and classes, offered by Ed2Go Careers and UGotClass can be found on page 32. Additional information may be found on our website at ce.unm.edu/professional/online.php.
Completing Your Certificate

Coursework Completion
There is no deadline for completing coursework for a master certificate unless required by a third party funder. However, after two years, the certificate requirements may change. To ensure your coursework is up to date, contact the program supervisor. Most master certificates may be completed in one to four terms or within a few months to one year.

Requesting Your Master Certificate
Upon completion of your certificate requirements, request your master certificate by emailing the program supervisor. Include your full name, mailing address, phone number, email address, certificate completed and a list of any approved changes to the curriculum.

Projects in Digital Arts
All Level II Digital Arts master certificate candidates are required to complete the Projects in Digital Arts course or an approved substitution. Projects students are also required to submit final computer files and/or printed samples of their project to the department for approval and potential display or publication. Those students who complete the Projects course will be placed on a job contact list.

Prerequisites and Course Options

Prerequisites
The prerequisites listed with the course descriptions are intended to prepare you for the next course. If you have prior experience with a topic, you may place yourself in the most appropriate class. For basic prerequisite course assessments, see page 35. Suggested courses are not a required prerequisite, but may enhance comprehension of the topic. Prerequisites are not included in the certificate hours. Windows: Beginning (51101) or Mac OS X: Beginning (54101) or basic computer experience is a prerequisite for all subsequent courses taught in our computer labs. Students who have basic computer experience may waive this prerequisite.

Equipment and Materials
Most classes provide you with all the necessary equipment and materials needed for class. However, some classes may require that you purchase certain equipment or materials, such as a digital camera or specific art supplies. These requirements are listed at the end of the course description or on your class receipt.

Homework and Practice Time
Most classes require homework or practice time. Projects created for classes are useful for building a portfolio. For computer classes, we recommend three hours of practice for every hour in the classroom. Contact the program supervisor to schedule computer practice time, if needed.

Customized Certificates
If you have prior experience in a particular topic or you have specific goals in mind, you may customize your certificate curriculum with approval from the department. Contact the program supervisor to schedule an advisement appointment.
Online Courses
Online courses are available in many topics, offered in partnership with Ed2Go and UGotClass. Because our online offerings are not exact equivalents to our local classes, they may not substitute for local classes when pursuing a certificate. For current online class options, please see our website at ce.unm.edu/professional/online.php.

Tutorial Electives
Our Tutorial Electives offer students extra time with a topic, exam preparation or portfolio building. If you’ve taken a Digital Arts or Computers/IT class and would like to schedule a Tutorial Elective, contact the program supervisor with your request. Some prerequisites and restrictions apply. The cost for a two-hour Tutorial Elective is $195.

Financial Aid
Financial aid is available for many of our certificate programs through special funding programs or employer tuition assistance. UNM employees may use their Tuition Remission benefit for all Digital Arts and Computers/IT classes. For complete information on loans and financial aid, visit our website at ce.unm.edu; look under the Student Services menu. Contact the program supervisor early in the funding process to complete any required paperwork for financial aid.

Policies

Attendance and Grades
One hundred percent attendance is required to receive a passing grade for any class. If you must miss a class session due to an emergency, you may request to make up the class by emailing the program supervisor within two weeks of the missed class. You will then be contacted regarding make-up options.

All classes at UNM Continuing Education are non-degree and non-credit. Class grades are Pass/Incomplete; these grades are recorded on your UNM Continuing Education transcript.

Waiting Lists and Changes to the Schedule
If a class you want is full, be sure to add your name to the waiting list. If enough people are interested, we may open another section. Register early to ensure a seat. Occasionally the dates and times of a class will change. Check our website for the most current class listings.

Refunds and Discounts
Your tuition, minus a $15 cancellation fee per non-credit class, will be refunded if you provide a written request three business days prior to the first scheduled class. This policy applies to all registrations, regardless of the payment method. Phone requests will not be accepted. Call the registration office at 505-277-0077 to ask about current discounts.

Please see the UNM Continuing Education main catalog or our website at ce.unm.edu for complete information on policies.
More Information and Advisement

For More Information
Review the Continuing Education catalogs, website, certificate flyers and FAQs for answers to common questions. Look for one of our free information sessions offered just before the fall and winter semesters.

Underage Students
If you are age 12-17 and wish to attend our adult Digital Arts or Computers/IT classes, contact the program supervisor for information. In addition, we offer Digital Arts camps and classes for youth ages 9-17. See the UNM Continuing Education website at ce.unm.edu or our Youth catalog for more information.

Getting Started
Make an appointment for advisement with the program supervisor, stop by to see our facility, or just register to get started. You may register by phone, fax, or in person. See page 36 for how to register.

Advisement
If you have additional questions, would like to customize your curriculum, get help with your schedule or request a catalog, contact the program supervisor.

Marth Becktell, Program Supervisor
Phone: 505-277-6037
Email: digitalarts@unm.edu
Web: ce.unm.edu
Computer Basics Classes

**WINDOWS BASICS**

**Computer Basics for New Computer Users**  
BEGINNER  

Using a computer is for everyone! This beginning computer course for adults acquaints the novice with computer terminology; essential concepts; and, best of all, actual experience at the computer. Topics include startup and shutdown procedures, keyboard and mouse operation, and an overview of popular computing functions. **Prerequisite:** None.

Course: 51010  
SUA-PD: Jun 5-7  
Note: This class uses Windows 10.

David Maldonado

**Windows: Beginning**  
BEGINNER  

Learn the basic functions of the latest Windows operating system and how to customize its setup. Work with files and folders, shortcuts and properties. Resize windows, use the taskbar, start menu and recycle bin, and get an introduction to shortcuts. In addition, explore popular software and get started with launching programs. **Note:** See Course Skills Assessment for this class at digitalarts.unm.edu. **Prerequisite:** 51010 or basic computer experience.

Course: 51101  
SUA-PD: Jun 12-14  
Note: This class uses Windows 10.

David Maldonado

**Explore Windows 10**

Explore the newest Microsoft operating system: Windows 10. This course provides an overview of Windows 10 in order to familiarize students with the newest features. Students should be able to navigate Windows 10 and have a basic mastery of the operating system by the end of the course. **Prerequisite:** Working knowledge of any version of Windows.

Course: 51202  
SUA-PD: Jul 19  
SUB-PD: Aug 19  

David Maldonado

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**Online Courses**

For online courses and certificates in Digital Arts and Computers/IT topics offered by Ed2Go and UGotClass, please see pages 32-34 or visit our website at ce.unm.edu/professional/online.php
**COMPUTER PROFESSIONAL**

**Ethical Hacker  ▶ NEW**

IT professionals are constantly challenged to keep up with the increasing security threats we are all facing. There are many courses that teach defense in various forms, but few that show you what the hackers are really doing. People who learn ethical hacking are called “security testers” or “penetration testers” (or, more commonly, “pen testers”). Very large enterprises employ outside pen testers to attempt to crack their systems, and there is a growing demand for dedicated pros. But the pen testing skills are also valuable for IT staff in smaller operations because they can get most of the benefits at a much lower cost in-house. This class takes you beyond certificates like Network+ and Security+ and teaches you the current, real tools and techniques that hackers and social engineers are using against you and the people you support. An intensive study of software hacking tools, this course provides specific training for the demanding CEH exam.

Course: 63135  $995  For: 28 hours
SUA-PD:  Jul 11-Aug 1  TTh  8:00am-12:00pm

Glenn Norman, MA

**According to O*Net (www.onetonline.org), Information Security Analyst careers are expected to grow rapidly in the next several years. Build your security career with our Security+, see page 29 or Ethical Hacker classes.**

**APPLE: MAC AND IPAD**

**Mac for New Computer Users**

Become acquainted with fundamental computer terminology and the Mac in a relaxed, easy-paced setting. Work with the Mac’s basic functions by learning about startup and shutdown procedures, keyboard and mouse operation, and other computer functions specific to the Mac. Get a brief introduction to some of the Mac’s built-in applications for composing letters, reading PDF files, sending emails and surfing the internet. This course is for the computer novice. **Note:** See the Course Skills Assessment for this class on our website at digitalarts.unm.edu. **Prerequisite:** None.

Course: 54010  $125  For: 5 hours
SUA-PD:  Jun 12-14  MW  6:00pm-8:30pm
SUB-PD:  Jul 10-12  MW  6:00pm-8:30pm

Joshua Martinez
Mac OS X: Beginning  BEGINNER/SERIES
Get hands-on training with the Mac’s latest user-friendly operating system. Learn the basics of file management, navigating the Finder, setting up the Dock, customizing preferences, creating and saving files and backing up your computer. Become familiar with the concepts of peripherals, utility applications and cloud computing with iCloud. Note: See the Course Skills Assessment for this class on our website at digitalarts.unm.edu. Prerequisite: 54010 or equivalent experience.

Course: 54101 $249 For: 9 hours
SUA-PD:  Jun 19-23 MWF 6:00pm-9:00pm
Joshua Martinez

El Capitan 101: OS X Support Essentials 10.11
Get a tour of OS X El Capitan and discover the best ways to support OS X El Capitan users. Learn the OS X El Capitan troubleshooting process; how to use OS X El Capitan tools and resources to troubleshoot OS X El Capitan; OS X El Capitan features and functionality, including how to find more information about OS X El Capitan. You will also learn how to prepare for Apple Certified Support Professional (ACSP) 10.11 certification. Notes: This is an AATC course. The textbook and one Apple Certification Exam Session are included in the cost of this class. The exam may be taken up to six months after completion of the class. This class has a 14-day advance notice cancellation policy. Prerequisite: 54101 or basic Mac computer experience.

Course: 54151 $1995 For: 27 hours
SUA-PD:  Aug 8-10 TWTh 8:00am-5:00pm
Donny Hornstein

Navigating the iPad
For many, the Apple iPad is becoming the personal computer of choice. Discover what makes the iPad a valuable extension to your computer experience or why you might replace your traditional computer altogether. Learn about its intuitive touch interface Gestures, how to work with apps, configure basic settings, and explore other features unique to this device. Prerequisite: Basic computer experience.

Course: 54305 $149 For: 6 hours
SUA-PD:  Jun 5-12 M 6:00pm-9:00pm
SUB-PD:  Jun 20-22 TTh 6:00pm-9:00pm
SUC-PD:  Aug 19 Sa 9:00am-4:00pm
Chase Allard

Course Skills Assessments See our website for Course Skills Assessments for the Beginning Windows and Mac classes (51101 or 54101).
GRAPHIC DESIGN AND VISUAL COMMUNICATION

How I tagged my vacation cell phone photos to show where on Google Earth I’ve been!  [NEW]

Using free internet applications and a low cost (~$5) cell phone application, you’ll geotag your photos, make thumbnails and geo-locate those photos in Google Earth. You can make a Google Earth file to email your photos and map locations to your family and friends to bring your images to life. Turn your vacation photos into a sharable and multidimensional experience! In addition, you can geo-locate applicable photos to create that same engaging experience for professional projects.

Course: 55014 $149 For: 6 hours
SUA-PD: Jul 15 Sa 10:30am-5:00pm
Thomas Gagliano

Turn your interest in geolocation into an in-demand career with help from our Geographic Information Systems classes (page 31).

Digital Arts Information Session
Join us for an Info Session about the UNMCE Digital Arts Program. You’ll hear about our Program from professionals in the field and you’ll go home with practical information that we believe will assist you in making decisions about your next creative steps. You’ll receive information on certificate programs, courses and employment for Graphic Design, Web Design and Development, Digital Photography, Digital Filmmaking, Multimedia, Instructional Media, Music Production, Apple Certified Professional, Apple computer maintenance and more.

Wednesday, July 12 6:00pm-8:00pm
RSVP to digitalarts@unm.edu or register online. See you at 1634 University Blvd. NE.
Graphic Design I
Learn to create an effective layout for any graphic design project. Discover the principles of design for clear and attractive visual communication. Topics include an introduction to advertising, publication, and web design; logos and letterhead packages; layout; typography; and color theory. Note: Equipment and materials cost about $25; a materials list will be available the first day of class. Prerequisite: None. Suggested: 55201.

Course: 55101 $249 For: 9 hours
SPA-PD: Jun 1-15 Th 6:00pm-9:00pm
Adele Gangai

Graphic Design II
Build on the design principles introduced in the introductory class. Learn effective visual communication through the use of marketing standards, color, creativity and graphic style. Estimating, art direction and working with clients and vendors are also addressed. Students complete comprehensive layouts for a project of their choice. Note: Equipment and materials cost about $25. A materials list will be available the first day of class. Prerequisite: 55101 or equivalent experience.

Course: 55102 $249 For: 9 hours
SUA-PD: Jul 13-27 Th 6:00pm-9:00pm
Zac Van Note

Designing for the Web
Explore the process of designing a website, including conceptualizing, structuring, and applying design principles to create visually appealing and highly usable solutions. With an emphasis on design principles and information architecture best practices, topics include setting up a site map, designing an interface, and creating comprehensive storyboards. Note: Equipment and materials cost about $25; a materials list will be available the first day of class. Prerequisites: 55101 or equivalent experience and working knowledge of the Internet.

Course: 55125 $299 For: 9 hours
SUA-PD: Aug 17-31 Th 6:00pm-9:00pm
Zac Van Note

Getting Started with Immersive Media
Spend the day becoming familiar with new techniques to create immersive images and presentations that take advantage of 3D technology, interactive panoramic images and more. A great starter course for iOS and Android users. At the end of the day, you will have made your first virtual reality presentations and they will be ready to share among friends or colleagues. This class uses free and cheap tools.

Course: 55323 $149 For: 6 hours
SUA-PD: Jun 17 Sa 10:00am-5:00pm
SUB-PD: Jul 15 Sa 10:00am-5:00pm
SUC-PD: Aug 19 Sa 10:00am-5:00pm
Henry Lopez
BUSINESS, MARKETING, SOCIAL MEDIA

Social Media: Facebook, Twitter and LinkedIn
Social media supports the human need for social interaction with other people using the internet to broadcast media, dialogue and content. Learn the basics of using Facebook and get an overview of how Twitter and LinkedIn compare. Topics include finding the right site, choosing how to use a site, creating a profile, searching for contacts, establishing relationships, and learning online behavior. Note: To learn about using social media for business and marketing, see 55631. Prerequisite: 51101 or 54101 or basic computer experience.

Course: 55605 $95 For: 3 hours
SUA-PD: Jul 22 Sa 1:00pm-4:00pm
Mary Ellen Merrigan

Self Promotion for Artists
Develop materials to promote yourself, your business and your art, product or service online and offline. From media kits to promotional calendars, your view of self-marketing will move forward exponentially as a result of this content-packed, practical class. Artists, designers and other professionals will plan and execute publicity tactics with confidence as a result. Prerequisite: None.

Course: 55622 $125 For: 5 hours
SUA-PD: Jul 18-25 T 6:00pm-8:30pm
Mary Ellen Merrigan

Legal Issues in Visual Arts
When working with digital imagery, it’s important to have an understanding of the legal principles and issues that affect your work. Gain the tools to recognize legal problems and address them appropriately. Topics include contracts for professional services, copyright, model releases, licensing, trademarks, rights of publicity and privacy, First Amendment issues, business formation, determining when to hire a lawyer and more. Prerequisite: None.

Course: 55625 $195 For: 7 hours
SUA-PD: Aug 26 Sa 9:00am-5:00pm
To be Announced
**Marketing: An Army of One**  
NEW

Learn how not only to survive, but how to thrive as a one-person marketing department. The course’s focus is fourfold: 1) Copywriting – learn basic tips for writing marketing copy with “hot words” and ten copywriting mistakes to avoid; 2) Graphic Design – get tips on the anatomy of a great ad for Adobe InDesign beginners; 3) Graphic Design for Digital Media – learn the differences between designing for print and designing for digital ads; and 4) InfoGraphics – see an overview of how to translate your data into images to boost the effectiveness of your presentation with Adobe Illustrator. Who might be interested? Small business owners, new marketing professionals and recent marketing graduates. **Prerequisites:** 56211 and 56121 or equivalent experience.

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<th>Course</th>
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<td>55648</td>
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**SUA-PD:** Jun 20-22  
**SUB-PD:** Jul 25-27  
**SUC-PD:** Aug 15-17

*Audrey Troche*

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**PHOTOGRAPHY**

**Digital Photography Basics**  
BEGINNER // SERIES

Learn the basics of photography as you explore the capabilities of your digital camera. Discover what aperture, shutter speed and ISO are and how they affect your photographs. Find out how and when to use flash, and experiment with photographic composition to get the most out of your camera—and yourself! Recommended for those new to photography as well as film photographers who want to make the switch to digital. **Note:** Bring your camera, manual and extra batteries to class. **Prerequisite:** None. **Required Equipment:** Digital camera (any type).

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<th>Course</th>
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<tr>
<td>55781</td>
<td>$125</td>
<td>5 hours</td>
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**SUA-PD:** Jul 31-Aug 7

*Pat Berrett*

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**Get Ahead with a Tutorial Elective**

A two-hour one-on-one session with the instructor of your choice can be scheduled if you have attended a five-hour or longer class in the same topic. Call 505-277-6037 to schedule a day and time that is convenient for you. $195.
Photography Composition  BEGINNER SERIES

One definition for photographic composition is simple: the pleasing selection and arrangement of subjects within the picture area. In general, good pictures result from careful attention to some basic elements of composition together with appropriate lighting and an interesting subject. Become familiar with the practical applications of the key elements of composition to improve your photography: point of interest, simplicity, contrast, balance, framing, viewpoint, movement, diagonals and rule of thirds. Prerequisite: None.

Course: 55782  $125  For: 5 hours
SUA-PD:  Aug 14-21  M  5:30pm-8:00pm
Pat Berrett

From Camera to Computer

Make the transition from camera to computer. Learn how to download photos from your camera to your computer, how to best organize and archive photos, and how to protect your photos from losing image quality. Discuss optimum workflow patterns in order to start with best practices so that your photos are protected, manageable and accessible. Prerequisite: 51101 or 54101 or basic computer experience.

Course: 55783  $95  For: 3 hours
SUA-PD:  Jun 20  T  6:00pm-9:00pm
Mary Elkins

Photography with a Digital Camera I  BEGINNER SERIES

Embark on a photography adventure that will allow you to make the best use of the basic capabilities of your digital camera for professional or personal use. Learn the intricacies behind aperture, shutter speed and ISO and how they can change the outcome of your photographs. Discover how great pictures result from careful attention to basic elements of photographic composition along with the best use of lighting and an intriguing subject. Note: Bring your camera, manual and extra batteries to class. Prerequisite: None. Required Equipment: Digital camera (any type).

Course: 55801  $249  For: 9 hours
SPC-PD:  Jun 3-17  Sa  1:00pm-4:00pm
Lisa Tannenbaum
SUA-PD:  Jun 19-Jul 3  M  6:00pm-9:00pm
Pat Berrett
SUB-PD:  Aug 7-21  M  10:00am-1:00pm
Barak Naggan

Learn to hone the artistic and professional quality of your photos using Photoshop. Advance your skills with a Photoshop class or certificate (pages 19-21). Discover how to geotag or arrange your photos with classes on page 10.
Photography with a Digital Camera II

Continue to unfold the beauty and joy of digital photography. Fine-tune your photographic skills by understanding how you can set up your shots to get consistently good results and by practicing new composition techniques. Learn the basics of product photography, including how to set up shots for the Web, eBay and/or arts and crafts shows. Make the most of your camera through a deeper understanding of how the digital imaging system works and enhance your creative control over the image in printing and electronic display. **Note:** Bring your camera, manual, and extra batteries to class. **Prerequisite:** 55801 or equivalent experience. **Required Equipment:** Digital camera (any type).

Course: 55802

$249 For: 9 hours

SUA-PD: Jul 10-24 M 5:00pm-8:00pm
Field Trip: Jul 15 Sa 9:00am-12:00pm

**Note:** Required field trip: Sa, Jul 15, 9am-12pm.

*Pat Berrett*

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Cell Phone Photography  **BEGINNER // SERIES**

You have your phone with you almost every waking moment. Learn to use all of the features in the camera, whether it is an iPhone or and Android phone. Get a camera primer on focus, exposure and white balance, a photography primer on the importance of light and composition, and an introduction to key tools and apps. In addition, we’ll cover tips for sharing images. **Note:** Bring your iPhone or Android phone and charger to class. **Prerequisite:** None.

**Required Equipment:** Cell phone with photo capabilities.

Course: 55809

$125 For: 5 hours

SUA-PD: Jun 5-12 M 5:30pm-8:00pm
SUB-PD: Aug 15-22 T 5:30pm-8:00pm

*Pat Berrett*

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**Master Certificates**

For a list of certificate programs in Digital Arts and Computers/IT, see page 3. For complete certificate requirements and costs, see our website at ce.unm.edu.

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**Veterans, National Guard, active duty military and families**—take advantage of your educational benefits by pursuing a career-oriented certificate. See the Student Services tab on our website at ce.unm.edu for details.
DIGITAL VIDEOGRAPHY AND FILMMAKING

Explore video editing with a Premiere Pro introductory course (page 21), or how to add and adjust audio with Digital Audio I and II (page 22).

Digital Videography I

Develop your technical and creative skills as a digital videographer. Learn how to achieve satisfying and professional-looking footage using your own digital video camera. Implement some basic skills and shooting techniques. Topics include: video formats, camera capabilities, features and operation, camera control, movement and composition, types of shots that make up a scene, sound, light, and how to shoot with editing in mind. **Note:** Bring your camera, manual and extra batteries to class. **Prerequisite:** Working knowledge of your camera. **Required Equipment:** Digital video camera (any type) or digital stills camera with video mode.

Course: 55911 $249 For: 9 hours
SUA-PD: Aug 7-21 M 2:00pm-5:00pm
**Barak Naggan**

Cinematography Essentials

Many classes on cinema focus on the history and theory of cinema. This class will be very different. It will be a hands-on experience of the tools and practices of modern cinema. The class will be taught at uPublic.tv in Albuquerque. Students will learn how to rig and move a cinema camera, creatively control light, get good audio on location and deal with the digital workflow used by most modern cinema cameras. They will learn techniques to get that “Film Look” with budgets from high to zero. They will also learn on-set terminology and practices essential to successful production. They will leave the class with skills immediately usable for a variety of projects. The instructor is Chris Paul, a working professional with 33 years of experience.

Course: 55930 $295 For: 9 hours
SUA-PD: Jun 19-23 MTF 6:00pm-9:00pm
**Chris Paul**

Take your images and video online with a web design class (page 25).
ADOBE CREATIVE SUITE

Discover the Adobe Creative Suite  BEGINNER SERIES

Adobe created this outstanding Creative Suite of programs: InDesign CC, Illustrator CC, Photoshop CC, Dreamweaver CC, Flash Professional CC, Bridge and Acrobat. This class is designed to provide a hands-on overview of these programs in order to help you make the most of your creative ideas. Whether you’re using Mac or Windows, discover how the Adobe Creative Suite of programs allows you to design beautiful layouts, create great illustrations, edit your photos, build websites, work with interactive animations, optimize graphics and more. Prerequisite: Basic computer experience.

Course: 56005 $195 For: 5 hours
SUA-PD: Jun 5-7 MW 6:00pm-8:30pm
Adele Gangai

Photo Editing: Basics  BEGINNER SERIES

Improve your photos with simple photo-editing techniques used by amateurs and professionals alike. Learn to rotate, crop, and enhance your digital photos for sharing and presentation. Discover the distinctions between different popular photo-editing programs and discuss various file formats, such as JPG, TIFF and camera RAW to determine which programs and formats best suit your work and support best practices. Prerequisite: Basic computer experience.

Course: 56041 $125 For: 5 hours
SUA-PD: Aug 7-9 MW 6:00pm-8:30pm
Adele Gangai

Computer Graphics: Raster and Vector Art

Explore the differences between raster and vector graphics and determine which is best for each project. Understand key file formats such as TIFF, JPEG, EPS, PDF, native, RAW data, and discover how they import work within Adobe and other software programs. Additional topics include RGB, CMYK, spot and Web color systems and digital camera resolution conversions. This course provides important foundation information for all graphics software used in digital arts. Note: See Course Skills Assessment on our website at digitalarts.unm.edu. Prerequisite: 51101 or 54101 or basic computer experience.

Course: 56101 $249 For: 9 hours
SUA-PD: Jun 19-23 MWF 2:00pm-5:00pm
SUB-PD: Aug 7-10 MWTh 2:00pm-5:00pm
Adele Gangai

“STUDENTS SAY…”

Adele does a fantastic job at making the information engaging and easy to understand. The course builds on the previous course and is challenging. Adele has been one of my favorite instructors I’ve had in my lifetime… Her entire class is engaged and is challenged… Thank you!

—InDesign student
InDesign: Beginning  BEGINNER/ SERIES

Learn cutting-edge page layout with Adobe InDesign. Get an introduction to how a page layout program works and learn the basic tools and techniques. We cover character formatting, editing and linking text blocks, and importing text and graphics from other applications. In-class exercises emphasize the basic principles of typography and page layout. **Prerequisite:** 51101 or 54101 or basic computer experience. **Suggested:** 56101.

**Course:** 56121  $249  For: 9 hours

**SUA-PD:** Jul 10-14  MWF  2:00pm-5:00pm
**SUB-PD:** Jul 25-Aug 1  TTh  6:00pm-9:00pm

*Adele Gangai*

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InDesign: Intermediate

Refine your InDesign skills with in-depth use of text and graphics, including tools for paragraph formatting, tabs, paragraph and character styles, text wrap, and working with imported graphics. We also focus on working with multi-page layouts, including Master Pages, automatic page numbering, and the Pages palette. Students work on a newsletter in class. Basic preparation of your document for a commercial printer will be discussed. **Prerequisite:** 56121 or equivalent experience.

**Course:** 56122  $249  For: 9 hours

**SUA-PD:** Jul 17-21  MWF  2:00pm-5:00pm

*Adele Gangai*

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InDesign: Advanced

Increase your InDesign efficiency, and learn professional page layout tricks. Create long documents quickly using multiple Master Pages, sectioning, table of contents and index creation tools, and multi-file books. Data merge, libraries, Bezier drawing tools, tables, advanced typography techniques, an in-depth use of color, and prepress features are also covered. **Prerequisite:** 56122.

**Course:** 56123  $249  For: 9 hours

**SUA-PD:** Jul 24-28  MWF  2:00pm-5:00pm

*Adele Gangai*

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InDesign: Expert

Advance your skills to cutting edge communication design projects. Learn techniques that will optimize your designs with quicker setups, object management, and best practices for adding images and type. Refine your long document skills with an in-depth study of character and paragraph styles, table of contents creation, complex text wraps and automating files. Use special effects, manage complex paths and learn about snippets and libraries. Get ready for professional printing with preflight and package options. **Prerequisite:** 56123.

**Course:** 56124  $249  For: 9 hours

**SUA-PD:** Jul 31-Aug 4  MWF  2:00pm-5:00pm

*Adele Gangai*
Illustrator: Beginning  BEGINNER/ SERIES

Use Adobe Illustrator to create vector art in both color and black and white. Learn the basic tools and techniques, including geometric and freeform drawing tools, transformation tools and path editing, paint and type tools, and exporting art for output. Special emphasis is given to the ways Illustrator facilitates drawing. **Prerequisite:** 51101 or 54101 or basic computer experience.

**Suggested:** 56101.

Course: 56211  $249  For: 9 hours
SUA-PD: Jun 20-27  TTh  6:00pm-9:00pm
Adele Gangai

Illustrator: Intermediate

Delve deeper into the creative power and the productive rewards of computer illustration. Topics include creating and using gradients, advanced type use, an in-depth look at Illustrator’s color controls, and plug-in filters. Several illustrations and single-page displays are presented for use in class. **Prerequisite:** 56211 or equivalent experience.

Course: 56212  $249  For: 9 hours
SUA-PD: Jul 11-18  TTh  6:00pm-9:00pm
Thomas Gagliano

Illustrator: Advanced

Learn advanced computer illustration techniques such as blending, masking, compound paths, pattern fills, importing art from other programs, and using layers. Discuss advanced output topics, including trapping and separations. Students practice putting these techniques together to create complex illustrations. **Prerequisite:** 56212.

Course: 56213  $249  For: 9 hours
SUA-PD: Aug 22-29  TTh  6:00pm-9:00pm
Adele Gangai

Photoshop: Beginning  BEGINNER/ SERIES

With Adobe Photoshop you can do everything from retouching photos to creating original illustrations and collages with raster images. Apply lighting and color corrections and correct lens distortions to enhance your photos. Learn about the importance of camera RAW files and how to process them. Use the retouching tools, painting techniques and basic filters to improve or alter your photos. Additional topics include file formats, working with type, using Adobe Bridge, and an introduction to basic selections and layers. **Prerequisite:** 51101 or 54101 or basic computer experience. **Suggested:** 56101.

Course: 56311  $249  For: 9 hours
SUA-PD: Jun 6-13  TTh  6:00pm-9:00pm
Aaron Barreras
SUB-PD: Jun 10-24  Sa  9:00am-12:00pm
Mary Elkins
Photoshop: Intermediate

Learn advanced selection methods to selectively adjust images. Work with a variety of layer techniques to combine, enhance and transform your images. Organize and cross-index your image collection with Bridge. Learn about color modes, photo touchup and restoration techniques. In addition, further explore the power of Adobe Camera Raw. **Prerequisite:** 56311 or 56331 or equivalent experience.

Course: 56312

SUA-PD: Jul 11-18

TTh 2:00pm-5:00pm

Aaron Barreras

SUB-PD: Aug 24-31

TTh 6:00pm-9:00pm

Mary Elkins

Photoshop: Advanced

Navigate Photoshop like the pros! Discover advanced techniques for enhancing photographs and compositing images, advanced use of layers (layer masks, layer comps, smart objects, smart filters), advanced selections and special effects with channels, automating and batch processing. The course includes exercises in enhancing a variety of images and creating complex collage-based art. **Prerequisite:** 56312.

Course: 56313

SUA-PD: Jul 20-27

TTh 2:00pm-5:00pm

Aaron Barreras

Photoshop: Expert

Take your Photoshop skills to the next level with new features and powerful ways to combine existing tools. Explore creative ways to apply filters, including Smart Filters, Filter Gallery and new filters like the Blur filters, Shake Reduction filter, Oil Paint filter. Discover new ways to use Noise Reduction and Lighting Effects. Push the envelope with the puppet warp, animation and video tools. Explore the richness of high dynamic range (HDR) features to enhance your photos. Master selections with Layer Masks and enhancements to the Refine Edge command. Explore advanced layer capabilities, including layer masks, vector masks, labeling, grouping and searching for layers. **Prerequisite:** 56313.

Course: 56314

SUA-PD: Aug 8-15

TTh 6:00pm-9:00pm

Aaron Barreras

According to O*Net (www.onetonline.org), Adobe Illustrator, Photoshop and InDesign are some of the most frequently listed technologies on job postings. Add Adobe software to your resume with our Illustrator, Photoshop and InDesign classes and certificates.
Drawing with Photoshop

Discover how to use a Wacom drawing tablet to trace, draw and sketch in Adobe Photoshop. Get acquainted with the set-up and use of a Wacom drawing tablet, and how to create dynamic brushes in Photoshop that react to pressure, tilt and direction. Explore a variety of Photoshop tools to simulate naturalistic sketching and drawing using the tablet and stylus. Learn basic scanning and clean-up techniques to import your hand drawn ideas for use in Photoshop as a tracing template. Finally, add color to your artwork using mixing brushes, patterns and gradients. **Prerequisite:** 56311 or equivalent experience.

**Course:** 56318 $149 **For:** 6 hours
**SUA-PD:** Jul 17-19 **MW** 6:00pm-9:00pm

*Thomas Gagliano*

Photoshop Elements: For the Digital Photographer

Use Photoshop Elements (an inexpensive version of Photoshop) to color-correct, crop, and fine-tune your photographs. Add text and other enhancements to your photos, and explore several methods of sharing them, including via email and printing. Understand the differences between JPEG, TIFF, and camera RAW formats, and discuss the basics of color management. **Prerequisite:** 51101 or 54101 or basic computer experience. **Suggested:** 56101.

**Course:** 56331 $249 **For:** 9 hours
**SUA-PD:** Jul 22-29 **Sa** 11:00am-3:30pm

*Mary Elkins*

VIDEO EDITING, ANIMATION, MULTIMEDIA

Premiere Pro: Beginning

Learn the basics of video and audio editing using the non-linear editing (NLE) system Adobe Premiere. Topics include traditional editing vs. NLE, DV capture, importing, editing, transitions, keying, effects, audio, titles, and digital movie file export formats. Students assemble several short movies that demonstrate various editing techniques for video and sound. **Prerequisite:** 51101 or 54101 or basic computer experience. **Suggested:** 56101 or 56311.

**Course:** 57311 $295 **For:** 9 hours
**SUA-PD:** Aug 15-22 **TTh** 6:00pm-9:00pm

*Chris Paul*

See page 23 for Final Cut Pro classes under Apple Authorized Training—Creative.

### Customize Your Certificate

If you have prior experience in a particular topic or you have specific goals in mind, you may customize your certificate curriculum with approval from the department. Contact the program supervisor to schedule an advisement appointment.
AUDIO AND MUSIC PRODUCTION

Digital Audio I

Learn the fundamentals of computer recording for film, music or podcasts. Topics include multitrack recording, podcasting basics, virtual instrument and effect plugins and two-track editing. In addition, get a foundational understanding of file formats, computer audio hardware basics, and internet audio. **Prerequisite:** 51101 or 54101 or basic computer experience.

Course: 57601 $295 For: 9 hours
SUA-PD: Jun 6-13 TTh 6:00pm-9:00pm
Joey Belville

Digital Audio II

Take your audio knowledge to the next level. With an emphasis on classic, modern, and experimental production techniques, delve into the whens, whys, and how-tos of recording, effects, mics, mic placement, and audio editing. We’ll also touch on sound design, manipulation, and restoration. **Prerequisite:** 55601.

Course: 57602 $295 For: 9 hours
SUA-PD: Jul 10-14 MWF 6:00pm-9:00pm
Joey Belville

Podcasting

Branch into modern-day storytelling with the internet’s version of radio broadcasting—podcasting. Reach a global audience by making your own engaging podcasts, documentary narratives or audio books. Learn how to choose a theme, determine the format, script your narrative and narrow down the equipment you’ll need. Record an audio file, add sound effects or background music and convert the file into a podcast. **Prerequisite:** 51101 or 54101 or basic computer experience. **Suggested:** 57601.

Course: 57604 $249 For: 9 hours
SUA-PD: Aug 9-16 MW 6:00pm-9:00pm
Joey Belville

Available Discounts and Financial Aid

Purchase three or more classes at one time and receive a 10% discount. Additional discounts may be available. Ask at the time of registration about any applicable discounts. Some restrictions may apply.

Contact the Program Supervisor for current information on loans and financial aid.
APPLE AUTHORIZED TRAINING—CREATIVE

Final Cut Pro X: Professional Post Production

Final Cut Pro X is a revolutionary video editing application that helps beginners and seasoned professionals achieve stunning results. In this three-day hands-on course, students become familiar with the user interface while they learn how to perform editing functions. Students work with real-world media to learn practical approaches to video editing, from basic techniques to Final Cut Pro’s powerful advanced features. **Notes:** This is an AATC course. The textbook and one Apple Certification Exam Session is included in the cost of this class. The exam may be taken up to six months after completion of the class. This class has a 14-day advance notice cancellation policy. **Prerequisite:** 54101 or basic knowledge of Mac OS X. **Suggested:** 56101 or 56311 or basic knowledge of editing terminology.

Course: 57911 $995 For: 24 hours
SUA-PD: Jun 5-7 MTW 8:00am-5:00pm
SUB-PD: Jul 18-20 TWTh 8:00am-5:00pm

**Note:** This class requires a written request 14 days prior to the start date to drop the class or transfer to another section.

*Brad Stoddard*

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**FREE information session**

**Logic Pro X 10.1**

Join us for an introduction to Logic Pro’s primary features and basic user interface. We’ll talk about how to generate a customized audio and MIDI configuration that will seamlessly integrate your own personal production studio. You’ll see how to create your own songs using Logic Pro’s comprehensive array of software instruments, Apple Loops, and DSP effects. The instructor will refer to in-depth lessons that cover MIDI and audio recording, streamlined editing and arrangement techniques, user defined key commands, automation, using external MIDI controllers, mixing, and creating final output. This session introduces an Authorized Apple Training Certified Course.

**Wednesday, May 31** 6:00-8:00pm

RSVP to digitalarts@unm.edu or call 505-277-6037. See you at 1634 University Blvd. NE.
Logic Pro X 10.1: Professional Music Production

Get an introduction to Logic Pro’s primary features and basic user interface. Students learn how to generate a customized audio and MIDI configuration that will seamlessly integrate with their own personal production studio. Students also create their own song using Logic Pro’s comprehensive array of software instruments, Apple Loops, and DSP effects. In-depth lessons cover MIDI and audio recording, streamlined editing and arrangement techniques, user defined key commands, automation, using external MIDI controllers, mixing, and creating final output. **Notes:** This is an AATC course. The textbook and one Apple Certification Exam Session is included in the cost of this class. The exam may be taken up to six months after completion of the class. This class has a 14-day advance notice cancellation policy. **Prerequisite:** 54101 or basic knowledge of Mac OS X. **Suggested:** 57601 or basic knowledge of audio terminology.

**Course:** 57981 $995 **For:** 24 hours

**SUA-PD:** Jul 24-Aug 3 MTWTh 2:00pm-5:00pm

**Note:** This class requires a written request 14 days prior to the start date to drop the class or transfer to another section.

*Joey Belville*

**Apple Certification Exam Session**

Register to take your Apple Pro Apps or IT exam at our AATC facility. **Notes:** Apple exams are non-refundable. Transfers are permitted within the same semester only. Prices are subject to change and may vary by exam. Call 505-277-6037 to inquire about exam prep, retake discounts and exam sessions included with the AATC classes. **Prerequisite:** Varies by exam. **Retakes:** $100. Documentation of previous exams taken at our facility required for all retakes.

**Course:** 57990V $150 **For:** 2 hours

**SUA-PD:** Jun 16 F 1:30pm-3:30pm

**SUB-PD:** Jul 21 F 1:30pm-3:30pm

**Note:** Apple exams are non-refundable. Transfers are permitted within the same semester only. Prices are subject to change and may vary by exam.

**Apple Exam Prep**

For information on Apple exam preparation, contact the Apple Authorized Training Center program supervisor at 505-277-6037.
WEB DESIGN AND DEVELOPMENT

Web Design: Getting Started  BEGINNER  //  SERIES

Using fundamental and free web design tools, create a website for personal or business use. Employ strategies for planning your site, creating and linking individual web pages, and adding images for visual appeal. Use styles to change background colors and fonts to develop your own theme. **Prerequisites:** Basic computer and internet experience.

**Course:** 58011  
**SUA-PD:** Jun 17-24  
**SUB-PD:** Aug 14-16  
**Chase Allard**

**Course:** 58011  
**SUA-PD:** Jun 17-24  
**SUB-PD:** Aug 14-16  
**Chase Allard**

Boost your web layout technique by taking a graphic design class (page 11). Help ensure the professionalism of your content with precision by brushing up your photography skills (page 13). Or enhance graphics before adding them to your website with our Adobe Creative Suite classes (page 16).

Web Design: Using WordPress  BEGINNER  //  SERIES

Create a free website on WordPress.com. Choose a title for your website and learn how to manage the settings to control your website. Select a theme, add content and work with images. Learn how to use plugins and widgets. If you decide to upgrade to a self-hosted WordPress website, all the information from this class will apply. **Prerequisite:** 58011.

**Course:** 58012  
**SUA-PD:** Jun 6-8  
**Denise Weaver Ross**

The U.S. Bureau of Labor Statistics anticipates rapid job growth in software and web development fields. Increase your access to these lucrative careers with our classes in HTML, JavaScript, jQuery, CSS, MySQL or PHP. These technologies often appear on job postings, according to O*NET OnLine.

**STUDENTS SAY...**

`We learned skills that we can put to immediate use and [the instructor] is very good at explaining clearly. Great course—we already have a working website!`

—Ruth Mikos, HTML & CSS: Beginning student
**HTML and CSS: Beginning**  **BEGINNER // SERIES**

Enhance your ability to control the looks and functionality by learning to use the new HTML5 structural elements. Use code to add graphics, links, and tables to your pages, and explore the power of CSS to format text consistently and quickly. Gain an understanding of how HTML5 works and practice using FTP to upload your pages to a live web server. **Prerequisites:** 51101 or 54101 or basic computer experience, and Internet experience.

**Course:** 58111  
**SUA-PD:** Jun 5-9  
**SUB-PD:** Jun 19-26  
**Chase Allard**

**JavaScript: Beginning**  **BEGINNER // SERIES**

Build dynamic and interactive web pages using JavaScript. Develop a familiarity with fundamental scripting concepts such as objects, properties, and methods. Learn how to create image rollovers and pop-up windows, and use the Document Object Model (DOM) for basic form validation. **Prerequisite:** 58111 or equivalent experience.

**Course:** 58411  
**SUA-PD:** Jun 5-12  
**Jeff Brody**

**HTML5, CSS3 and jQuery**

Learn how the cool tricks get done with HTML5, CSS3, and JQuery. Use semantic elements such as nav, header and footer. Find out about native browser features such as audio, video, and canvas as well as some of the form input elements. Explore features of CSS like drop shadows and web fonts before turning to a quick introduction to JQuery. Exercises will include several different ways to create a slide show for a webpage, a look at AJAX, and some dynamic visual elements using jQuery UI. **Prerequisites:** 58117, 58411.

**Course:** 58415  
**SUA-PD:** Jun 26-Jul 3  
**Jeff Brody**

**PHP and MySQL: Beginning**  **BEGINNER // SERIES**

Get an introduction to the open-source web programming language, PHP, and discover why so many web developers prefer to use it with MySQL (an open-source database technology) for their data-driven applications. Learn the basics of the PHP language and how to use PHP to generate your HTML. Get acquainted with the MySQL database, and learn to use PHP and MySQL together. Develop real world web-based applications in class. **Prerequisite:** 58111 or equivalent experience.

**Course:** 59411  
**SUA-PD:** Jul 31-Aug 7  
**Jeff Brody**
IT Classes

APPLE AUTHORIZED TRAINING—IT

Apple Certification Exam Session

Register to take your Apple Pro Apps or IT exam at our AATC facility. Notes: Apple exams are non-refundable. Transfers are permitted within the same semester only. Prices are subject to change and may vary by exam. Call 505-277-6037 to inquire about exam prep, retake discounts and exam sessions included with the AATC classes. Prerequisite: Varies by exam. Retakes: $100. Documentation of previous exam taken at our facility required for all retakes.

Course: 57990V $150 For: 2 hours
SUA-PD: Jun 16 F 1:30pm-3:30pm
SUB-PD: Jul 21 F 1:30pm-3:30pm

Note: Apple exams are non-refundable. Transfers are permitted within the same semester only. Prices are subject to change and may vary by exam.

Apple Exam Prep

For information on Apple exam preparation, contact the Apple Authorized Training Center program supervisor at 505-277-6037.

COMPTIA CERTIFICATION

Essentials of Hardware and Operating Systems

This CompTIA course is the first of two courses designed to prepare you for A+ certification. Successful completion of the course validates knowledge of basic computer hardware and operating systems, including how to install, build, upgrade, repair, configure, troubleshoot, optimize, diagnose and perform preventive maintenance. Customer service and security skills are also covered. Notes: The textbook and one exam voucher are included in the cost of this class. Both A+ vouchers will be issued upon request after completion of course 63134. These vouchers may be requested up to six months after completing both courses 63131 and 63134. Prerequisite: Basic computer experience.

Course: 63131 $995 For: 28 hours
SPB-PD: May 30-Jun 22 TTh 6:00pm-9:30pm

Note: This course provides training for A+ 220-901 certification.
Ralph Keeton
SUA-PD: Jun 5-19 MWF 8:00am-12:00pm
Note: This course provides training for A+ 220-901 certification.
Glenn Norman, MA
Hardware Repair and Troubleshooting

This CompTIA course is the second of two courses for the A+ certification. Learn to troubleshoot and repair the systems studied in the first A+ course. Problem-solving scenarios help students learn basic networking and OS management while preparing them to succeed on the certification exam. **Notes:** The textbook and one exam voucher are included in the cost of this class. Both A+ vouchers will be issued upon request after completion of course 63134. These vouchers may be requested up to six months after completing both courses 63131 and 63134. **Prerequisite:** 63131 or equivalent experience.

Course: 63134 $995 For: 24 hours
SUA-PD: Jun 26-Jul 12 MW 8:00am-12:00pm
**Note:** This course provides training for A+ 220-902 certification.
Glenn Norman, MA

SUB-PD: Jun 27-Jul 20 TTh 6:00pm-9:00pm
**Note:** This course provides training for A+ 220-902 certification.
Ralph Keeton

Network Support (Network+)

Learn how to configure network adapters, protocols, and services to allow communication between computers. This course covers the OSI model, network topologies, Ethernet, the TCP/IP protocol suite, sub-netting, and WAN technologies. Learn to use these technologies to effectively administer a network, share resources, troubleshoot, and solve connectivity problems. **Note:** The textbook and one exam voucher are included in the cost of this class. The voucher may be requested up to six months after completing the course. **Prerequisite:** 63131 and 63134 or A+ certification or equivalent experience.

Course: 63312 $995 For: 28 hours
SUA-PD: Jul 17-31 MWF 8:00am-12:00pm
Glenn Norman, MA

SUB-PD: Jul 25-Aug 17 TTh 6:00pm-9:30pm
Ralph Keeton

Veterans, National Guard, active duty military and families—take advantage of your educational benefits by pursuing a career-oriented certificate. See the Student Services tab on our website at ce.unm.edu for details.
Security+
Learn the high-level computer security concepts required for federal security training and gain an understanding of the various forms of security threats. Topics include current exploits, vulnerabilities, tools and risk management of wired and wireless technology. Review NAT, VLANs, and RAS, as well as encryption algorithms, concepts of cryptography, Public Key Infrastructure standards, protocols, and the Key Management/Certificate Lifecycle. Note: The textbook and one exam voucher are included in the cost of this class. The voucher may be requested up to six months after completing the course. Pre-requisite: 63312 or equivalent experience.

Course: 63511 $995 For: 28 hours
SUA-PD: Aug 14-Sep 4 MW 8:00am-12:00pm
Glenn Norman, MA
SUB-PD: Aug 21-Sep 13 MW 6:00pm-9:30pm
Ralph Keeton

IT SERVICE MANAGEMENT

ITIL® Foundation
The purpose of the ITIL® V3 Foundation certificate in IT Service Management is to certify that the candidate has gained knowledge of the ITIL terminology, structure and basic concepts and has comprehended the core principles of ITIL practices for Service Management. Candidates can expect to gain knowledge and understanding in service management, service lifecycle, generic concepts, technology and architecture in addition to other course components. The course will conclude with a certification examination held on day three of the class. ITIL® is a registered trade mark of AXELOS® Limited. AXELOS® is a registered trade mark of AXELOS Limited

Course: 67955 $1795 For: 24 hours
SUA-PD: Aug 22-24 TTh 8:00am-5:00pm
Ralph Keeton

Note: Registration closes 14 days before class starts. This class has a 30-day advance notice cancelation policy.

Propoint Solutions

STUDENTS SAY...

[The] instructor was great. Good balance of concepts, test prep, examples [and] discussion. I liked that [the instructor] pulled in examples from his consulting work.

—ITIL® Foundation student
AUTOCADE

AutoCAD: Beginning
Learn the fundamentals of Computer-Assisted Drafting (CAD) 3D and 2D rendering with Autodesk AutoCAD. Compare and contrast CAD and manual drafting methods and learn the essentials of drawing organization and layer management. Explore the use of blocks, fonts, and automatic dimensioning features. Both AutoCAD and AutoCAD LT users are welcomed. Note: The textbook is included in the cost of this class. Prerequisite: 51101 or basic computer experience.

Course: 69111
SUA-PD: Jun 14-28
Gathen Garcia

AutoCAD: Intermediate
Move from drawing in Model Space to plotting in Paper Space to print amazing views of your creations. Work with blocks and attributes, layers, color, linetypes, lineweights and viewports. Edit text, create tables and add new dimensions. Learn why it’s important to establish standards that promote conformance. Both AutoCAD and AutoCAD LT users are welcomed. Prerequisite: 69111 or equivalent experience.

Course: 69112
SUA-PD: Jul 14-26
Gathen Garcia

According to O*Net (www.onetonline.org). Job postings frequently require Autodesk AutoCAD. Set yourself up for employment success with support from our AutoCAD classes.
GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Employment for Geospatial Information Scientists, Civil Engineers, and Cartographers and Photogrammetrists is expected to grow much faster than average from 2014 to 2024 by the Bureau of Labor Statistics. Jumpstart your GIS career trajectory with our Geographic Information Systems classes.

GIS Maps to Adobe Presentation

This class is ideal for people who know ArcGIS and Adobe Illustrator and want to utilize the accuracy of ArcGIS maps to create artistic and meaningful slides and poster presentations, as well as report products using Adobe Creative Cloud. Those who work as GIS professionals and want to create map presentations with aesthetic design, style and meaning to a targeted audience would enjoy and benefit greatly from this course, too.

Course: 69331 $295 For: 9 hours
SUA-PD: Aug 5-12 Sa 1:00pm-5:30pm

Thomas Gaglian

Adobe Illustrator is an excellent complement to a GIS skillset, allowing users to create custom, attractive maps. Prepare for the GIS Maps to Adobe Presentation course with our beginning and intermediate Illustrator classes, offered in June and July. See page 19 for details.

FREE information session

Geographic Information Systems’ Most Exciting Software: QGIS

Come learn about today’s most exciting GIS software and why you should be using it. It’s called QGIS, and Continuing Education now offers two QGIS courses taught by local QGIS expert and author Kurt Menke. QGIS is the leading open source desktop GIS. GIS is software for cartography and spatial analysis. QGIS is comparable to ArcGIS in overall functionality. However, unlike ArcGIS, it can be installed on any operating system, and it’s free! You can use it to produce publication quality maps with effects only found in QGIS. You can also conduct sophisticated analyses via its hundreds of geoprocessing tools. There are hundreds of plugins available as additional add-ons. Come by this short session to learn about QGIS and the upcoming courses.

Wednesday, August 9 6:00pm-8:00pm
RSVP to digitalarts@unm.edu or register online if you plan to attend. The session is free. Bring a friend. Held at 1634 University Blvd. NE.
## Online Classes and Certificates

### Apple: Mac and iPad Online

**Ed2Go instructor-led classes include:**
- Introduction to Microsoft Word for Mac $129
- Mac, iPhone, and iPad Programming $129

### Graphic Design & Visual Communication Online

**Ed2Go Careers self-paced certificates include:**
- Digital Arts Certificate $3,295
- Marketing Design Certificate $3,295
- Graphic Design with Photoshop $1,995
- Certified Residential Interior Designer $1,995

**UGotClass instructor-led classes include:**
- Graphic Design for Visual Presentations $195
- Infographics $195
- Photoshop for Presentations $195
- Prezi $195

### Business, Marketing, Social Media Online

**Ed2Go instructor-led classes include:**
- Achieving Top Search Engine Positions $129
- Introduction to Google Analytics $129
- Marketing Your Business on the Internet $129
- Introduction to Screenwriting $129
- Publish and Sell Your e-Books $129
- Introduction to Internet Writing Markets $129
- Write Effective Web Content $129
- Learn to Buy and Sell on eBay $129
- Introduction to Linked-In Career Networking $129
- Using Social Media in Business $129
- Web 2.0: Blogs, Wikis and Podcasts $129
- Digital Marketing Suite $261

**Ed2Go Careers self-paced certificates include:**
- Pay Per Click Marketing $1,495
- Search Engine Marketing $1,895
- Search Engine Optimization $1,495
- Social Media and Mobile Marketing $1,495
- Professional with OMCP® Certification $1,795
- Search Marketing Professional with OMCP® Prep $1,795
- Data Analytics and Conversion Professional with OMCP® Prep $1,795
- Paid Search Professional with OMCP® Prep $1,795
- Search Marketing Professional with OMCP® Prep $1,795
- Technical Writing $1,795

**UGotClass self-paced certificates include:**
- Certificate in Self Publishing for Business $495
- Certificate in Google Tools $495
- Digital Essentials Certificate $495
- Inbound Marketing Certificate $495
- Mobile Marketing Certificate $595
- Managing Social Media Platforms Certificate $495
- Social Media for Business Certificate $495
- Video Marketing Certificate $395

### Photography and Videography Online

**Ed2Go instructor-led classes include:**
- Discover Digital Photography $129
- Photographing People with Your Digital Camera $129
- Secrets of Better Photography $129
- Mastering Your Digital SLR Camera $129
- Photographing Nature with Your Digital Camera $129
- Travel Photography for the Digital Photographer $129
- Photography Suite $261
## Adobe Creative Cloud Online

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Introduction to Adobe Acrobat</td>
<td>$129</td>
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<td>Introduction to InDesign</td>
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<td>Intermediate InDesign</td>
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<tr>
<td>Introduction to Illustrator</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Photoshop</td>
<td>$129</td>
</tr>
<tr>
<td>Intermediate Photoshop</td>
<td>$129</td>
</tr>
<tr>
<td>Photoshop for the Digital Photographer</td>
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<tr>
<td>Photoshop for the Digital Photographer II</td>
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<tr>
<td>Photoshop Elements for the Digital Photographer</td>
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</tr>
<tr>
<td>Photoshop Elements for the Digital Photographer II</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Illustrator</td>
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<tr>
<td>Introduction to Photoshop</td>
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<tr>
<td>Intermediate Photoshop</td>
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</tr>
<tr>
<td>Photoshop for the Digital Photographer</td>
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</tr>
<tr>
<td>Photoshop for the Digital Photographer II</td>
<td>$129</td>
</tr>
<tr>
<td>Photoshop Elements for the Digital Photographer</td>
<td>$129</td>
</tr>
<tr>
<td>Photoshop Elements for the Digital Photographer II</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Digital Scrapbooking</td>
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</tr>
<tr>
<td>Introduction to Lightroom</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Digital Scrapbooking</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Lightroom</td>
<td>$129</td>
</tr>
<tr>
<td>Adobe Value Suite</td>
<td>$261</td>
</tr>
</tbody>
</table>

## Ed2Go Careers self-paced certificates include:

- Graphic Design with Photoshop                $1,995
- Digital Arts Certificate                     $3,295

## UGotClass instructor-led classes include:

- Photoshop for Presentations                  $195

## Video Editing, Animation, Multimedia Online

<table>
<thead>
<tr>
<th>Course</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Flash</td>
<td>$129</td>
</tr>
<tr>
<td>Intermediate Flash</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Adobe Edge Animate</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Camtasia Studio</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Final Cut Pro</td>
<td>$129</td>
</tr>
<tr>
<td>How to Get Started in Game Development</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to CorelDRAW x5</td>
<td>$129</td>
</tr>
</tbody>
</table>

## Ed2Go Careers self-paced certificates include:

- Video Game Design and Development            $1,995
- 3ds max                                      $1,695
- Multimedia Arts Certificate                  $5,995
- Python Developer                             $995

## UGotClass instructor-led classes include:

- Introduction to Maker Tech: The New Shop Class | $195
- Introduction to 3D Printing                   | $195
- Introduction to Game Design                   | $245
- Intermediate Game Design                      | $245
- Podcasting                                    | $245

## UGotClass self-paced certificates include:

- Video Marketing Certificate                   | $395

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## Web Design and Development Online

<table>
<thead>
<tr>
<th>Course</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creating Web Pages</td>
<td>$129</td>
</tr>
<tr>
<td>Advanced Web Pages</td>
<td>$129</td>
</tr>
<tr>
<td>Designing Effective Websites</td>
<td>$129</td>
</tr>
<tr>
<td>Creating Responsive Web Pages</td>
<td>$129</td>
</tr>
<tr>
<td>Creating WordPress Websites</td>
<td>$129</td>
</tr>
<tr>
<td>Creating WordPress Websites II</td>
<td>$129</td>
</tr>
<tr>
<td>Creating WordPress Websites Series</td>
<td>$174</td>
</tr>
<tr>
<td>Introduction to CSS3 and HTML5</td>
<td>$129</td>
</tr>
<tr>
<td>Intermediate CSS3 and HTML5</td>
<td>$129</td>
</tr>
<tr>
<td>Advanced CSS3 and HTML5</td>
<td>$129</td>
</tr>
<tr>
<td>HTML and CSS Series</td>
<td>$261</td>
</tr>
<tr>
<td>Introduction to Dreamweaver</td>
<td>$129</td>
</tr>
<tr>
<td>Intermediate Dreamweaver</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to JavaScript</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to PHP and MySQL</td>
<td>$129</td>
</tr>
<tr>
<td>Intermediate PHP and MySQL</td>
<td>$129</td>
</tr>
<tr>
<td>PHP and MySQL Series</td>
<td>$174</td>
</tr>
<tr>
<td>Introduction to ASP.NET</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to XML</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Ajax Programming</td>
<td>$129</td>
</tr>
<tr>
<td>Creating Mobile Apps with HTML5</td>
<td>$129</td>
</tr>
<tr>
<td>Creating jQuery Mobile Websites with Dreamweaver</td>
<td>$129</td>
</tr>
<tr>
<td>Web Design Value Suite</td>
<td>$261</td>
</tr>
</tbody>
</table>

## Ed2Go Careers self-paced certificates include:

- Web Design Professional                      $2,995
- Webmaster $1,995                              $2,395
- Web Applications Developer                   $2,395
- Microsoft Web Developer                      $1,995
- Mobile Web Developer                         $2,295
- Mobile and Desktop Web Developer             $2,995

## Computer Basics Online

<table>
<thead>
<tr>
<th>Course</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboarding</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to Windows 10</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to PC Troubleshooting</td>
<td>$129</td>
</tr>
<tr>
<td>Computer Skills for the Workplace</td>
<td>$129</td>
</tr>
<tr>
<td>Understanding the Cloud</td>
<td>$129</td>
</tr>
<tr>
<td>Introduction to PC Security</td>
<td>$129</td>
</tr>
<tr>
<td>Basic Computer Skills</td>
<td>$261</td>
</tr>
</tbody>
</table>

## UGotClass instructor-led classes include:

- Cyber Security for Managers                  $195

---

## UGotClass self-paced certificates include:

- Video Marketing Certificate                   $395
### Online Classes and Certificates

#### CompTIA Certification Online

<table>
<thead>
<tr>
<th>Ed2Go instructor-led classes include:</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Basic CompTIA A+ Certification Prep</td>
<td>$169</td>
<td></td>
</tr>
<tr>
<td>Intermediate CompTIA A+ Certification Prep</td>
<td>$169</td>
<td></td>
</tr>
<tr>
<td>Advanced CompTIA A+ Certification Prep</td>
<td>$169</td>
<td></td>
</tr>
<tr>
<td>Network+ Certification</td>
<td>$169</td>
<td></td>
</tr>
<tr>
<td>Security+ Certification Prep 1</td>
<td>$169</td>
<td></td>
</tr>
<tr>
<td>Security+ Certification Prep 2</td>
<td>$169</td>
<td></td>
</tr>
</tbody>
</table>

**Ed2Go Careers self-paced certificates include:**
- A+ Certification Training                                                                            $1,695
- A+ Certification (Voucher Included)                                                                   $1,995
- A+ with ITIL Foundation (Vouchers Included)                                                           $2,495
- Network+ Certification Training                                                                     $1,695
- Network+ Certification Training (Voucher Included)                                                    $1,695
- Security+ Certification Training                                                                     $1,695
- Security+ Certification Training (Voucher Included)                                                    $1,695
- Healthcare IT Technician                                                                            $1,595
- Healthcare IT Technician (Voucher Included)                                                           $1,695

#### IT Service Management Online

<table>
<thead>
<tr>
<th>Ed2Go instructor-led classes include:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ITIL Foundation (Voucher Included)</td>
<td>$795</td>
<td></td>
</tr>
</tbody>
</table>
| ITIL Lifecycle Expert                                                                               $1,995
| ITIL Lifecycle Expert (Voucher Included)                                                               $3,495
| ITIL Capability Expert                                                                              $1,995
| ITIL Capability Expert (Voucher Included)                                                              $3,195
| CompTIA A+ with ITIL Foundation (Vouchers Included)                                                    $2,495

**IT Professional Online**

<table>
<thead>
<tr>
<th>Ed2Go instructor-led classes include:</th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Introduction to Networking                                                                         $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Networking                                                                            $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireless Networking                                                                                $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Networking Suite                                                                           $261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to PC Security                                                                         $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced PC Security                                                                                 $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPI Linux Essentials Exam Prep                                                                      $129</td>
<td></td>
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</tr>
</tbody>
</table>

**Ed2Go Careers self-paced certificates include:**
- Help Desk Analyst: Tier 1                                                                           $1,495
- Support Specialist                                                                                  $1,495
- Management for IT Professionals                                                                      $2,295
- Microsoft SharePoint Certification                                                                  $795
- Cisco® CCNA® Certification                                                                          $1,995
- Cisco® CCNA® Certification Training (Voucher Included)                                              $2,195
- Forensic Computer Examiner                                                                          $3,095
- Microsoft Certified Solutions Associate (MCSA): Server                                               $2,195
- Microsoft Certified Solutions Associate (MCSA): SQL Server                                           $1,995
- Microsoft Certified Solutions Associate (MCSA): Windows 7                                            $1,995
- Systems Security Certified Practitioner (SSCP)                                                       $1,595

#### Database Development Online

<table>
<thead>
<tr>
<th>Ed2Go instructor-led classes include:</th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Introduction to Oracle                                                                             $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Oracle                                                                                $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oracle Series                                                                                      $174</td>
<td></td>
<td></td>
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<tr>
<td>Introduction to SQL                                                                                 $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate SQL                                                                                   $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SQL Series                                                                                        $174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Database Development                                                                $129</td>
<td></td>
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<tr>
<td>Introduction to Crystal Reports                                                                   $129</td>
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</table>

**Programming Online**

<table>
<thead>
<tr>
<th>Ed2Go instructor-led classes include:</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Programming                                                                         $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate C# Programming                                                                        $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to C# Programming                                                                     $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C# Programming Series                                                                              $174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to C++ Programming                                                                    $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Java Programming                                                                   $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Java Programming                                                                      $129</td>
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<td></td>
</tr>
<tr>
<td>Java Programming Series                                                                            $174</td>
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<td></td>
</tr>
<tr>
<td>Introduction to Visual Basic                                                                        $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermediate Visual Basic                                                                           $129</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Basic Series                                                                                $174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Python Programming                                                                  $129</td>
<td></td>
<td></td>
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</tbody>
</table>

**Ed2Go Careers self-paced certificates include:**
- Java Programmer                                                                                     $995
- Oracle SQL and PL/SQL + Java + Python Programmer                                                    $2,595
- Oracle SQL and PL/SQL Developer + Java Programmer                                                   $1,795
- Python Developer                                                                                    $995

#### AutoCAD Online

**Ed2Go Careers self-paced certificates include:**
- AutoCAD 2015                                                                                        $2,595
- AutoCAD 3D 2015                                                                                     $1,695
- AutoCAD 2015 with AutoCAD 3D                                                                        $3,295

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34 UNMCE Digital Arts • Computers/IT | ce.unm.edu | 505-277-6037
Course Skills Assessments

To place yourself in the right class, refer to the course assessments below. If you can answer 8 out of 10 questions for the appropriate assessment, you probably do not need to take the class. If you cannot answer 8 out of 10 questions, you probably need to take the class. For additional information or questions, please call 505-277-6037.

**COMPUTER BASICS/MAC FOR NEW COMPUTER USERS (51010/54010)**
1. Define hardware and memory.
2. What is a microprocessor or CPU?
3. Describe the difference between a hard drive and a CD drive.
4. Describe the difference between operating system and application software.
5. List some popular word processing, spreadsheet, database, and graphics programs.
6. Define bytes, kilobytes, megabytes, and gigabytes.
7. Explain mouse operations such as click, double-click, right-click, click-and-drag.
8. What is anti-virus software?
9. List three input devices and three output devices.
10. List three storage devices and describe how they are different from each other.

**WINDOWS/MAC OS X: BEGINNING (51101/54101)**
1. Describe the difference between files and folders. How do you move and copy files between folders? How do you find a lost file or folder?
2. How do you move and resize a window?
3. What is a shortcut (Windows) or alias (Mac) and how do you create one?
4. What is the Recycle Bin (Windows) or Trash (Mac)?
5. Describe how to launch a program.
6. Describe how to change the mouse properties and the desktop display.
7. What is the Taskbar (Windows) or Dock (Mac)?
8. What is the Start Menu (Windows) or Apple Menu (Mac)?
9. List the keyboard shortcuts for cut, copy, and paste.
10. Describe how to eject a disk or CD.

**COMPUTER GRAPHICS: RASTER AND VECTOR ART (56101)**
1. Explain the difference between raster and vector graphics. What are the advantages and disadvantages of each?
2. List two programs that work with raster graphics and two programs that work with vector graphics. List two programs for page layout and two for web design.
3. Define PostScript and describe some of its uses.
4. Define aliasing and anti-aliasing.
5. Define resolution and explain how it is measured. Indicate a standard resolution for print and one for web.
6. List three graphics file formats and explain when you would use each.
7. When would you rasterize a graphic and when would you trace a graphic?
8. Describe what a Bezier curve is and where you would find one.
9. Describe what a pixel is and where you would find one.
10. Define color depth (bit depth).
Please register me for the following course(s): (Please Print)

1) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

2) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

3) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

4) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

5) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

6) Course Title________________________________________
   Course #______________________ Section # ______ Cost__________

Name____________________________________________________
Address_________________________________________________________________________
City __________________________ State ________________ Zip_________
Phone (day)____________________ (evening)_____________________
Email_________________________________________________________
Get Certified

We offer professional certificate programs in a variety of topics to prepare you for the job market.

We welcome students at any level, from beginning to advanced, who want to develop or add to their skills.

For more information visit our website at ce.unm.edu.

Take a Class Online

No time to come to class? We offer many online classes and certificates in Digital Arts topics through our vendors, Ed2Go and UGotClass. See pages 32-34 for a list or visit our website at ce.unm.edu/Online for details.

Become an IT Professional

UNM Continuing Education offers training for the IT Professional in partnership with CompTIA and Apple. Get your A+, Network+, Security+ and El Capitan certification training with us.

We are the only Apple Authorized Training Center in New Mexico, offering training for El Capitan, Final Cut Pro and Logic Pro certification. Take your Apple certification exam with us.

See our website at ce.unm.edu or call for information.