SF State Extended Learning Spring 2012

Professional Development Certificate

Autodesk

Authorized Training Center/Certification Center

Free Information Session

Thursday, January 12, 5-6 pm
Downtown Campus, 835 Market Street, 6th floor

For upcoming information session,
please visit **www.cel.sfsu.edu/autodesk/**
Please RSVP at www.cel.sfsu.edu/autodesk/events/cfm
Faculty advisors will be present to answer questions.

SF State Extended Learning | Downtown Campus | 835 Market Street, 6th floor | Powell St. BART/Muni

PROFESSIONAL DEVELOPMENT CERTIFICATE

Autodesk

AUTODESK® AUTHORIZED TRAINING CENTER/CERTIFICATION CENTER

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Why Do I Need Autodesk® Training and Certification?

As one of Northern California's longest established Authorized Training Centers (ATC), we concentrate on providing students with up-to-date, high quality instruction at a reasonable price. Our faculty are Autodesk certified and help you to prepare for work in design, space planning, or drafting in the architectural, engineering and construction fields.

Demonstrate Your Expertise, Gain Industry Recognition

Autodesk® Certification is an industry recognized credential that can help you succeed in your design career—providing benefits to both you and your employer.

Certification provides reliable validation of skills and knowledge and can lead to accelerated professional development, improved productivity, and enhanced credibility.

We offer Autodesk Certification Exams at the Associate and Professional levels at our Downtown Campus.

Please see the Autodesk website at www.autodesk.com/certification for details and to purchase your exam today.

Autodesk® Certification Center Hours

Thursdays, from 2-5 pm.

The Program

We offer a full range of Autodesk® classes including AutoCAD Level I & II, Revit® Level I & II, Revit® MEP, Revit® Structure, Navisworks®, 3ds Max® Design Level I & II, AutoCAD® 3D Applications, and Graphics Production with AutoCAD. Students may take individual classes based on their experience and goals or complete the full certificate.

How to Begin Taking Classes

- No application process to begin
- Obtain SF State Student ID and Password
- Register for classes based on individual goals
- Apply for Certificate of Completion after all classes are completed.

For registration questions, please contact Enrollment Services at (415) 405-7700, press '5' to speak with a staff person.

free information session

Thursday, January 12, 2012, 5-6 pm

Come and learn how AutoCAD, Revit®, 3ds Max® Design and other Autodesk software programs all fit into your future.

See live examples as taught in class and take the opportunity to get your questions answered.

Faculty will be present to answer questions.

Please RSVP at
www.cel.sfsu.edu/autodesk/events.cfm

SF STATE DOWNTOWN CAMPUS
835 Market Street, 6th Floor

Intended Audience

The program is designed for anyone looking to have a better understanding of Autodesk software. Whether you are a trained professional looking for new software skills or just starting out, we have classes tailored to suit your needs.

Length and Cost of Program

The time it takes for participants to finish the certificate of completion varies according to students' availability and experience. The 11-CEU Certificate of Completion (110 hours) may be accomplished in as short a time as one to two semesters, or students may take as long as needed, up to three years.

The cost of the program is calculated on a per-class basis. Class tuition is available online at our website with each course description. Prices may vary each semester. There are no additional costs for course materials, except a certificate fee of $50.

Autodesk Spring 2012

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Location and Frequency of Classes

All classes are held in our state-of-the-art computer labs at the SF State Downtown Campus at 835 Market St., 6th floor, in San Francisco. Courses are offered three times a year, during the Spring, Summer and Fall semesters.

Curriculum

The Autodesk Certificate is a Professional Development Certificate, not an academic degree, and as such, courses carry CEUs, nationally recognized units of measurement for professional development and training. One CEU equals 10 hours of instruction.

Participants may attend just those classes of particular interest or complete the entire Certificate of Completion.

Certificate Requirements

A Certificate of Completion will be awarded upon successful completion of all Required and Elective classes, totaling a minimum of 110 hours (11 CEUs).

Once a candidate has completed the necessary coursework, an application for the certificate of completion must be submitted. Applications for the certification are due, along with a $50 non-refundable fee and your unofficial SF State transcripts, after all grades have been submitted.

Please visit the Autodesk Certificate web page to download the Graduation Application.

image courtesy of Autodesk®

Autodesk Program Curriculum (11 CEU)

Required Courses (Take all five)	SP	SU	FA
• AutoCAD Level I (Fundamentals)	•	•	•
• AutoCAD Level II (Advanced)	•	•	•
• AutoCAD® 3D Applications: Modeling and Rendering	•	•	•
• 3ds Max® Design Level I	•	•	•
• Graphics Production with AutoCAD	•		•

Elective Courses (Please choose one)			
• Project Portfolio Development		•	
• Navisworks®			•
• AutoCAD Standards for the Small Design Office		•	
• 3ds Max® Design Level II			•
• Revit® I	•	•	•
• Revit® II	•		•
• Revit® MEP	•		
• Revit® Structure		•	

Required courses are best taken in the order listed. Students are responsible for completing all prerequisites prior to taking courses. AutoCAD Level I (Fundamentals) is the introductory course for the program. All textbooks and course materials are included with the cost of the class.

Benefits of Training

- One computer per person
- Course fees include all course materials
- Autodesk 2012 Ready
- Faculty are certified in the latest Autodesk software
- Certificate from Autodesk after successful completion of authorized courses
- Certificate of Completion option from SF State Extended Learning
- Open lab hours with each enrollment (15+ hours per course)
- Courses carry Continuing Education Units (CEUs)
- Access to student versions of Autodesk software

Open Lab (Room 611)

Students enrolled in courses receive 15 hours of free Open Lab time per hands-on class. Additional use of the lab beyond the 15 hours is subject to availability of computers. All Autodesk software that is used in the certificate program is installed in the Open Lab.

- Mon. - Thurs., 12 noon–9 pm
- Fri., 12 noon–5 pm
- Sat., 10 am–5 pm

Please Register Early!

To ensure you receive course materials at the first class meeting, please enroll at least THREE weeks before the start date.

AUTOCAD LEVEL I (2.4 CEU)

Platform: PC

Prerequisite: experience with Windows 7 Operating system. This course is designed for those who have never used AutoCAD or AutoCAD LT, or who have struggled to get started. It is also ideal for those who need a refresher course, or a course that fills in the gaps of limited AutoCAD experience. Beginning with an introduction to the software interface, this course familiarizes the student with pull-down menus, the ribbon, toolbars, and AutoCAD's unique command line. Students are immersed in real-time drafting operations as demonstrated by the instructor, who uses both professional experience and class exercises as references. All essential tools are taught to complete basic 2D projects, and properly present them for printing.

Instructor: Eileen Tumlin

Schedule Number 92065 ENGR 9069 Section A 01

- Mon., Jan. 23-Mar. 12, 6-9 pm
- SF State DTC, 835 Market, 6th Floor
- $825

Instructor: David Mlodzik

Schedule Number 92066 ENGR 9069 Section A 02

- Tues., Mar. 20-May 15, 6-9 pm (except Apr. 17-May 1, 5:30-9:30 pm) (no class Apr. 10 & May 8) (check online for schedules)
- SF State DTC, 835 Market, 6th Floor
- $825

AUTOCAD LEVEL II (2.4 CEU)

Platform: PC

Prerequisite: experience with Windows 7 Operating system; ***AutoCAD Level I*** *or equivalent knowledge.* This class is for those wanting greater productivity through the use of AutoCAD's more advanced 2D features, those working in group/networked environments, and those who are interested in basic AutoCAD customization. Productivity topics include the creation of block attributes, field objects, tables, dynamic blocks and template files. Attribute extraction, layer management, line weights, text and dimension styles, and the Sheet Set Manager are also covered. Group/network environment topics include external references, file paths, file/layer standards, and a discussion of large-scale project organization issues. Customization topics include macro writing, the Action Recorder, AutoLISP and VBA basics.

Instructor: Lillian Crist

Schedule Number 92067 ENGR 9070 Section A 01

- Thurs., Mar. 22-May 10, 6-9 pm
- SF State DTC, 835 Market, 6th Floor
- $825

Instructor: David Mlodzik

Schedule Number 92068 ENGR 9070 Section A 02

- Mon., Apr. 23-May 14, 9 am-4 pm
- SF State DTC, 835 Market, 6th Floor
- $825

AUTOCAD® 3D APPLICATIONS: MODELING & RENDERING (1.8 CEU)

Platform: PC

Prerequisite: ***AutoCAD Level I*** *or equivalent experience with at least six months of daily use on AutoCAD.* This class is for experienced AutoCAD users with strong knowledge of 2D drafting. The class begins with an introduction to AutoCAD's unique 3D workspace, followed by a thorough exploration of the extensive 3D navigation tools, including scene walkthroughs and flybys. Students then become familiar with a multitude of 3D modeling tools, with an emphasis on solid-model creation and editing. Other 3D concepts such as lights, cameras, material creation and mapping are also covered. The course concludes with an in-depth look at rendering techniques and image output options.

Instructor: David Mlodzik

Schedule Number 92069 ENGR 9072 Section A 01

- Tues.-Thurs., May 15-17, 9 am-4 pm
- SF State DTC, 835 Market, 6th Floor
- $625

3DS MAX® DESIGN (LEVEL I) (1.2 CEU)

Platform: PC

Prerequisite: CAD experience with 3D modeling helpful but not necessary. This class is designed to acquaint the participants with the basic and intermediate level processes necessary to create 3D visualizations using Autodesk 3ds MAX Design software. We cover the process of importing an existing CAD 3D model or 2D floor plan or elevation, developing a 3D model in 3ds MAX Design, applying architectural materials, setting up lighting and shadow-casting, creating cameras, and rendering. Other topics covered include lighting a scene with radiosity/global illumination for both interior and exterior scenes, accurately analyzing environmental or artificial lighting, including manufacturer specifications in realistic materials, and creating animated walk-throughs.

Instructor: Lillian Crist

Schedule Number 92073 ENGR 9125 Section A 01

- Fri., Apr. 27-May 4, 10 am-5 pm
- SF State DTC, 835 Market, 6th Floor
- $435

GRAPHICS PRODUCTION WITH AUTOCAD (1.2 CEU)

Platform: PC

Prerequisite: ***AutoCAD Level I*** *or equivalent knowledge.* This class bridges the gap from AutoCAD to illustration and web design, employing industry-standard tools for optimal graphics production. The student will create illustrations and will learn to identify which softwares and methods are most effective for a particular goal. While the primary softwares used in this course are AutoCAD and Adobe Photoshop, there will also be an overview of AutoCAD's import, export, and linking capabilities in conjunction with a variety of softwares. Basic techniques in Adobe Illustrator and Autodesk Impression softwares will be demonstrated. In Photoshop, styles, actions, and special effects will be practiced, while producing illustrations based on CAD line work. Other topics include extraction of a figure from a background, incorporating a rendering in a photo, photo correction, masking, simulation of fog, depth of field, and shadows.

Instructor: Lillian Crist

Schedule Number 92070 ENGR 9119 Section A 01

- Fri., May 11-18, 10 am-5 pm
- SF State DTC, 835 Market, 6th Floor
- $435

REVIT® I (2 CEU)

Platform: PC

Prerequisite: experience with Windows 7 Operating system. Learn the latest CAD software in use by architects and building professionals Autodesk Revit. Revit frees you from learning how to draft and allows you to concentrate on design. This course introduces users to the software interface so you can navigate around the software and then guides you through a sample project, starting with the site plan all the way through to the finished drawing package. If you want to remodel your home, jump-start your career, learn a new skill, or learn more about architectural design, learn how to Revit.

Instructor: Elise Moss

Schedule Number 92071 ENGR 9120 Section A 01

- Sat., Jan. 28-Feb. 18, 10 am-4 pm
- SF State DTC, 835 Market, 6th Floor
- $725

Instructor: Elise Moss

Schedule Number 92072 ENGR 9120 Section A 02

- Sat., Mar. 24-Apr. 21, 10 am-4 pm (no class Mar. 31)
- SF State DTC, 835 Market, 6th Floor
- $725

REVIT® II (2 CEU)

Platform: PC

Prerequisite: ***Revit I****; experience with Windows 7 Operating system.* You've tasted the power and ease of Revit, now you're ready to move to the next level. This class is geared towards students who are interested in taking Autodesk's Revit Certification Test, CAD managers, dedicated designers, and Revit users who are looking to boost their productivity. Students should have taken the Revit Level One training or have used Revit for at least six months prior to taking this class. Revit is a 3D design software that is used by architectural professionals world-wide. There is a high industry demand for skilled professionals who know Revit.

Instructor: Elise Moss

Schedule Number 92074 ENGR 9129 Section A 01

- Sat., Apr. 28-May 19, 10 am-4 pm
- SF State DTC, 835 Market, 6th Floor
- $725

REVIT® MEP (1.8 CEU)

Platform: PC

Prerequisite: experience with Windows 7 Operating system; ***Revit I****, or prior experience in Revit with instructor approval.* Revit MEP is a mechanical, electrical, and plumbing system design tool, enabling enhanced coordination and rapid design within a building information model. Users are able to optimize systems engineering through data-driven system sizing and design. This class is geared towards students who have already taken the Revit Level I class or have Revit experience, but want to learn how to use the tools within Revit MEP to create their building models and documentation.

Instructor: Elise Moss

Schedule Number 92075 ENGR 9133 Section A 01

- Sat., Mar. 3-17, 10 am-5 pm
- SF State DTC, 835 Market, 6th Floor
- $650

Autodesk Student Quotes

I just finished taking your Revit II class at SF State Extended Learning. I want to say thank you to you because I got certified at Associate and Professional levels for Revit Architecture 2011 with assistance from your informative classes and mock exam practice. I really love using Revit.

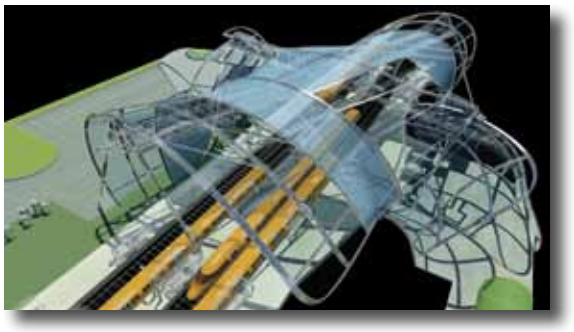
~**Kathy K**., Revit I & II student

I passed the Revit Architecture Professional Certification exam today (in addition to the Associate exam a couple weeks ago) and I want to thank you for your excellent course at SF State Extended Learning—and for your 'unofficial' exam guide and practice exams. Your class and your course materials are an excellent way to prepare for these exams. When I first enrolled in your class I had no intention of getting certified, but you got me thinking that maybe I should go for it—and I'm glad that I did. Thanks for all your help!

~**Tom D.**, Autodesk Revit II student

I recently took your Saturday Revit I class at SF State Extended Learning. I want to thank you for the class. You were very patient with the students in such a fast-paced learning enviroment and your book is very direct and easy to follow. I actually made my first component yesterday using array, reference planes and created material finishes! Thank you again and have a good day.

~**Annette P.**, Revit I student



images courtesy of Autodesk®

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Faculty

Lillian Crist is an animator, illustrator, programmer, Web designer, and technical writer. Since 1990 Lillian has created 3D architectural walk-through animations, interactive presentations, and websites incorporating multimedia. She has developed numerous productivity tools using AutoLISP and MAXScript. Her skills are rooted in experience as a CAD manager and over a decade of production experience in both architectural and engineering firms.

David Mlodzik, a licensed architect, has used AutoCAD and other design-oriented computer applications since 1987. An Autodesk Certified Instructor since 1999, he provides AutoCAD training for universities, corporations and individuals. Through his company Mlodzik Architectural Visualization, he provides 2D and 3D design visualization and other consulting services to building design professionals, project developers and software development firms. Samples of his work and a full description of the scope of his services can be found at: www.mavisual.com.

Elise Moss has worked for the past twenty years as a mechanical designer in Silicon Valley, primarily creating sheet metal designs. She has written articles for Autodesk's Toplines magazine, AUGI's PaperSpace, DigitalCAD.com and Tenlinks.com. She is President of Moss Designs, creating custom applications and designs for corporate clients. She has taught CAD classes at DeAnza College, Evergreen Valley College, Silicon Valley College, and for Autodesk resellers. Autodesk has named her as a Faculty of Distinction for the curriculum she has developed for Autodesk products. She holds a baccalaureate degree in Mechanical Engineering from San Jose State. More information about the author and her work can be found on her website at www.mossdesigns.com.

Eileen Tumlin is a licensed architect with her own architectural practice in the Bay Area. Her practice also provides CAD, and 3D design visualization consultation and training services for other architecture firms. She has used AutoCAD since 1984 and has experience using a number of other design and drafting software programs. Eileen also teaches architecture, environmental design, and computer-aided design courses at Laney College and West Valley College. ■

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The San Francisco State University Downtown Campus has been an Autodesk Training Center since 1987. This designation by Autodesk is your assurance that the facility and quality of instruction meet the high standards of the developer.

We offer a full range of AutoCAD classes including

AutoCAD Level I & II
Project Portfolio Development
AutoCAD® 3D Applications: Modeling & Rendering
Graphics Production with AutoCAD
3ds Max® Design Level I & II
Revit® I & II | Revit® MEP | Revit® Structure
AutoCAD Standards for Small Design Office | Navisworks®

Please check our website for new upcoming classes. **www.cel.sfsu.edu/autodesk/**

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