Summer - Fall 2012 Training Programs

Home Energy Audit Lab: Prepares you to work in the Residential Energy Efficiency Field. Whether you’re interested in updating your skills to better understand the energy conservation and efficiency resources available to homeowners or want to find a job as an energy auditor or home energy rater, this course will help you meet your goals! The typical home energy audit will indicate that the majority of saving comes from two sources: improvements to the building envelope and the heating/cooling system. The Home Energy Audit Lab training will improve your knowledge of these two areas. The training provides hands-on experience with various tools used to evaluate building envelopes and HVAC systems, as well as training on possible corrective measures. Examples of tools used include: Infrared (IR) Camera; Multi-gas Detector; Duct Tester System; Blower Door System. Instructor: Joe Buhowsky, ATTE
Tuesday & Thursday Evenings; August 21 - September 27; 6:00pm – 9:00pm
Fee: $ 180

LEED Green Associate Prep: A 1-day overview of LEED Building Certification with a focus on the key information necessary to pass the USGBC LEED Green Associate exam, including: the LEED implementation process, LEED credit categories, project site factors, water management, energy impacts, synergistic opportunities, stakeholder involvement, test taking tips & strategies, study guides and a certificate of completion. Students and professionals wanting to demonstrate a basic knowledge of green building design, construction and operations will be most interested in this course. Whether you want to learn the basics of LEED certification, pursue the LEED Green Associate credential, or become a LEED Accredited Professional, this is the class to get you started! Instructor: Alex Spilger, Principal and Founder of GreenStep Education.
Thursday; August 23; 8:30am – 4:30pm
Fee: $160

Solar PV Project Management: This class meets on 4 consecutive Saturdays; a 24 hour training course focused on Solar Photovoltaic components and systems, site analysis, design tools, and the knowledge you need to get a job or advance your career in the solar industry. Learn about residential rebates, tax incentives, permitting, jurisdictional issues, and other key skills needed in solar site planning. Hands-on labs will be conducted with solar assessment tools & energy consumption data. With the knowledge gained in this course, students may qualify to work in as a Solar Site Planner or Project Manager. Instructor: Joe Buhowsky, ATTE
Saturdays; September 8, 15, 22 & 29; 9:00 a.m. - 3:00 p.m.
Fee: $140

Summer Special: 3-day Geospatial courses - sign up for all three programs for $980 total!

Intro to ENVI 5.0 Remote Sensing: Introduces students to the basics of ENVI 5.0. Topics navigation through the new one window display, raster management, display concepts, image to map registration, regions of interest and classification, working vector data, and feature extraction. Various exercises will enhance student learning in vegetation analysis, change detection and burn severity mapping and teach integration with ARCGIS 10. Instructor: Chris Cruz, West Valley College
Tuesday – Thursday, July 10 – 12, 8:00am – 5:00pm
Fee: $375

Use of Trimble GPS Units for Field Data Collection and Analysis: Focuses on the use of Trimble GPS Units for Field Data Collection and the use of that data with ARCGIS 10 with an introduction to the aspects of a data collection project with GPS Pathfinder Office 5.0 software and TerraSync Professional Field Software. Students will plan a project, create a data dictionary, work with background files, perform GPS navigation, learn differential correction and export data to ARCGIS 10. Chris Cruz, West Valley College
Tuesday – Thursday, August 1 - 3, 8:00am – 5:00pm
Fee: $375

Remote Sensing with ARCGIS 10: Designed to provide current ARCGIS 10 users with the tools used to complete remote sensing analysis projects within ARCGIS 10. We will work with the available analysis tools to complete several hands-on exercises, analyze NDVI, Pan-Sharpening, orthorectification, hillshades, stretching, mosaicking, and image differencing. Chris Cruz, West Valley College
Tuesday – Thursday, August 14 - 16, 8:00am – 5:00pm
Fee: $375

Click here to register online for all ATTE courses or go to www.westvalley.edu/community-education