Welcome back to Career Insider! In case you missed our inaugural edition back in August, I thought I’d recap what we’re all about. Career Insider has been created to spotlight the wide variety of Career Technical Education (CTE) programs available at College of the Canyons, geared specifically toward helping students attain the skills needed in the most popular industry careers.

COC offers more than 30 CTE programs in science and technology, the arts, healthcare, public safety and business. Our two prior editions featured the manufacturing and graphic and multimedia design programs. Future editions will feature the following programs: culinary arts, land surveying, electronic systems, animation, American Sign Language, medical lab tech, construction management, SHARP (Skills for Healthy Aging Resources & Programs) and interior design.

Our goals are to keep you in tune with the various industries listed above, as well as show you what’s cool and exciting out in today’s working world. If you have an idea for a feature in a future edition, I’d love to hear it!

I hope that with the publication of Career Insider, in combination with the other resources available, students take advantage of all we have to offer, including the wide array of internship opportunities, in order to help make their career decisions that much easier.

Happy reading!

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The plumbing trade offers careers in new construction, modernizations and as a service and repair technician. A plumber’s work includes the installation and repair of the water, waste disposal, drainage, and gas systems in the residential, commercial, institutional and industrial fields. Plumbers are needed daily to service and install water heaters, water pressure regulators, recirculating lines, pumps, bathtub and shower valves, fixtures, kitchen appliances and more.

College of the Canyons (COC) has developed two certificate programs: Plumbing Technician, New Construction; and Plumbing, Technician, Service and Repair. Two classes are currently being run, Plumbing Fundamentals (PLMB-030) and Plumbing Principles and Practices (PLMB-050), with enrollments strong in both. COC’s program is designed to help address the state’s current and long-term need for a sustainable workforce of well-trained and qualified plumbers.

The plumbing program was developed in collaboration with industry partners to ensure that instruction would meet the industry’s various skill standards. Classes are held on the Canyon Country Campus in the Applied Technology Education Center’s (ATEC) state-of-the-art plumbing laboratory and the courses are a combination of classroom and hands-on lab instruction.

COC’s program features a mock wall set-up (tub/shower, sink, toilet, kitchen sink and water heaters) and students get to design and install real working systems in the lab.

Plumbing is one of the few occupations to have successfully weathered the recent recession and aftermath. At the national, state and regional levels, demand for qualified, well-trained plumbers will remain strong through 2018. In addition, the Los Angeles region will need more than 15,000 new and replacement plumbers in that time period. That means the region will require an average of 1,932 qualified new or replacement plumbers annually to meet industry demand. COC is only the second community college in the Los Angeles region to offer a plumbing technology program. Altogether, there are only seven approved plumbing technology programs at community colleges statewide.

Aside from the growing need for professional plumbers, COC plumbing instructor, Dutch Rudolph, says, “plumbing is a skill you can take anywhere and it can also save you money by learning to fix plumbing issues in your own home.”

Learning the plumbing trade may not be as difficult as one might think. “Plumbing technology is always advancing with new materials making fixtures more user friendly and easy to install,” says Rudolph. In any case, “There will always be someone to take you under their wing and show you the right way to do things. That’s why the idea of an internship works so well.”

For more information about this program please contact Dutch Rudolph, adjunct instructor, plumbing, at Dutch.Rudolph@Canyons.edu or Kristin Houser at Kristin.Houser@Canyons.edu or 661.362.3408.
Calendar

**Careers on the Go**

Dates Vary

6:00 – 7:30 p.m.

Valencia Campus, Mentry Hall 351

This month, explore a career in graphic and multimedia design (10/3) or Plumbing Technology (10/24) with industry professionals serving as guest speakers. RSVPs encouraged: Canyons.edu/Offices/CTE/Reg/

**Departmental Advisory Board Meetings**

Land Survey (October 2); Water Technology (October 9); Culinary Arts (October 21, 2:00 - 3:30 p.m., Castaic iCue)

For more information, please contact Kristin Houser at KristinHouser@Canyons.org 661.362.3408.

Courses offered in Plumbing

Materials and Methods of Construction (ARCHT 140); California Plumbing Code (CONST 122); Plumbing Fundamentals (PLMB 030); Principles and Practices (PLMB 050); and Construction Practices and Installation (PLMB 060).

Occupational Profile: Plumbers, Pipefitters and Steamfitters

As mentioned in the main article, plumbers are listed as a “bright outlook occupation,” meaning that in this particular case, jobs within this industry are expected to grow rapidly in the next several years. According to the Bureau of Labor Statistics, stricter water efficiency standards and new building and power plant construction are projected to spur demand for workers. Employment of plumbers, pipefitters, and steamfitters is expected to grow 26 percent from 2010 to 2020 nationally; growing faster than the average for all other occupations. Here in California, we can expect a growth rate of 17 percent.

Wages in California are ahead of the national average, and are currently in the range of $31,400-$99,400/yr, above the national average of $29,000-$84,400/yr.

For more industry and career information, visit the following resources: O*NET OnLine at ONetOnline.org, the Bureau of Labor Statistics at BLS.gov/ooh and California Career Café at CaCareerCafe.com/Pathways/.

3 Palms Project

3 Palms Project is a Platinum LEED, newly constructed modern home. Designed by COC adjunct faculty John A. Turturro, 3 Palms is the beach house of three-time Emmy winning actor Bryan Lee Cranston, best known for his role as “Walter White” on the AMC drama series, Breaking Bad (2008) and as “Hal”, the father on the Fox situation comedy, Malcolm in the Middle (2000).

According to Turturro, “Bryan wanted to showcase a home of green design, high architectural style and creature comforts. We used passive solar heat gain, cross ventilation, photovoltaic panels, rain water reclamation, SIPS walls, LED lighting and whole-house controls. The exterior is acrylic blend stucco and titanium.”

3 Palms Project was presented at Dwell on Design, LA Convention Center, 2012 and 2013. The home is also featured in the July/August issue of Dwell magazine.
Accounting | Administration of Justice | Administrative Assistant | American Sign Language Interpreting
Animation Production | Architectural Drafting | Automotive Technology | Commercial Photography
Computer Applications | Computer Networking | Culinary Arts | Customer Service | Early Childhood Education
Emergency Medical Technician | Entrepreneurship and Small Business Management | Filmmaking | Fire Technology
Graphic & Multimedia Design | Hotel & Restaurant Management | Human Resources Management | Interior Design
Land Surveying | Manufacturing Technology: Machining/CNC | Marketing | Medical Laboratory Technician
Medical Office Administrative Assistant | Nursing: Registered Nurse | Paralegal Studies | Personal Training
Real Estate | Retail Management | Robotic Welding Automation | Solar Energy Technician | Sound Arts
Sports Medicine | Video Game Animation | Water Systems Technology | Welding Technology | Wine Studies

REAL JOBS
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