

## Introducing our Building & Energy Systems Professional degree program



BUILDING & ENERGY  
SYSTEMS PROFESSIONAL  
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The Building and Energy Systems Professional (BESP) Associate of Science Degree offers students a broad overview into the energy efficiency, green technology, and building science industry and includes cross disciplinary courses in Energy Conservation Methods, Renewable Energy (generation and storage), Energy Systems, Heating Ventilation and Air Conditioning, Construction Management, Architecture, Computer Information Systems, and Building Inspection Technology, Commissioning, Energy Auditing, Building Operations, Lighting, and Controls. The completion of the Building and Energy Systems Professional, AS degree, is especially advantageous for the student in pursuit of an advanced energy industry leadership position. Electives are selected to support a concentration on industry

specialties that are in high demand and stackable with other credentials and certificates. Students will have the option to focus on particular advanced energy sectors by choosing from various depths of study, such as, Alternative Energy Systems, Building Control and Environmental Systems, Advanced Lighting Systems, Building Analysis, Construction, and Inspection within the Zero Net Energy (ZNE) related fields. The student may choose their elective based on their immediate energy educational needs and goals. The student may also continue completing additional elective courses, combining other defined degrees within the ZNE industry. Students will have the technical background necessary to achieve multiple industry recognized credentials and professional careers.

We look forward  
to seeing you at  
the next advisory  
meeting – Fall  
Semester 2017



## Miriam Macias

Solar Monitoring Intern at Hot Purple Energy



Miriam Macias is working at Hot Purple Energy as a Solar Monitoring intern. She has worked in this position since March and has been trained in using solar database and monitoring software. In her internship, she has been using this software to monitor the output of installed solar panels, identify equipment and network malfunction, and update client information. Miriam has also assisted in outreach efforts to educate high school students about careers in solar energy.

## Michael Reyes-Gomez

Facilities Maintenance Intern at the J.W. Marriott



Michael is an Energize Colleges intern in the Engineering Department at the JW Marriott in Palm Desert. He started his internship in October and finished in December. Michael worked on a variety of Facilities Maintenance projects. Michael received safety training and hands on training on how to maintain and repair HVAC systems, refrigeration equipment, water controls, and solar water heating systems. Michael also assisted in outreach efforts to introduce high school students to careers in zero net energy.

# Introducing the Energize Colleges Internship Program

## Help train one of our students

College of the Desert has launched an internship program for its students. This internship program, which is supported by a grant from Strategic Energy Innovations, assists in workforce development for HVAC, zero net energy, and architecture/building science students.

As a part of this program, students can work on zero net energy projects with a local industry partner. College of the Desert and Strategic Energy Innovations pay interns a wage of \$13 per hour for up to 96 hours of work. In addition, interns are covered by Strategic Energy Innovation's workers compensation insurance. Students also receive college credit for the internship through the Work Experience program.

So far, we have had great success with the Energize Program. Since September, we have placed 11 students in

internships with local partners like the JW Marriott, CLK/Carl's Jr., and the Coachella Valley Water District.

We are looking to additional internship hosts for the summer and for Fall Semester. If you are interested in hosting an intern or would like more information about the program, please contact:

Bryan Lee

[brlee@collegeofthedesert.edu](mailto:brlee@collegeofthedesert.edu)

(760) 674-7810

## COMING TO COD - NEW FOLDERS UNIT FROM JLM ENERGY

It is a micro-grid system that we will deploy for demonstrations. We will visit high schools and conduct lessons about energy generation and storage. There will be a ribbon-cutting at COD and we want to invite all of the high schools especially the energy related academies. This event could double as an energy, construction and utilities career day by inviting industry too. Watch for more info at [COD2Careers.com](http://COD2Careers.com)!

## COLLEGE OF THE DESERT WINS WORKFORCE DEVELOPMENT AWARD

College of the Desert's Energy Training Program has been selected as the recipient of GRID Alternative Inland Empire's Sunshine Award for Workforce Development. The Sunshine Award honors organizations, businesses, associations, and individuals who are expanding access to green and clean energy careers and leadership opportunities in our Inland communities, connecting people that need good jobs with industries that need good people. College of the Desert's Solar Energy Training Program is being honored for having trained hundreds of local residents in solar energy installation, giving them the knowledge and resources to be successful in the fast-growing solar industry.