

growing greener careers

Seating is Limited so
Register Now

PLEASE JOIN US AS WE WORK
TOGETHER TO FIND A
GREENER PATH TO THE FUTURE



Today we stand at a crossroads, as we work together to develop greener curricula, to lead the next generation into a greener tomorrow.

Growing Green Careers

Symposium is a free event for faculty, administrators, and counselors to learn effective models for "greening" existing curricula.

Expert speakers from industry and the classroom will discuss the impact of the emerging green economy on regional education and highlight programs such as renewable energy, automotive/transportation, environmental management, construction, landscaping, energy efficiency and water/wastewater.

The free all day event will feature two keynote speakers who will address the diverse number of options and opportunities to provide educational resources through the Community College system.

As leaders in "green" technologies and education, they will facilitate discussions on the needs of industry and the programs and curriculum that are being introduced through Career Technical Education to meet the training requirements of these emerging fields.

Interactive breakout sessions will provide opportunities to explore best-practice models of green curriculum that are in use across the state preparing students for the careers of the future.

A complimentary continental breakfast, lunch and snacks will be provided. You are invited to join us for refreshments at the beautiful *Communication Arts Theater* at Cuyamaca College at the end of the day's activities.

benefits of attending

- ✓ HEAR FROM INDUSTRY ON CURRENT TRENDS AND CHALLENGES IN THE GREEN ECONOMY
- ✓ EXAMINE BEST PRACTICE MODELS FOR GREENING CURRICULA
- ✓ NETWORK WITH COLLEAGUES TO BUILD BETTER PIPELINES FOR GREEN CAREERS

SYMPOSIUM

SERVING REGION X



CAREER TECHNICAL
EDUCATION

2009

7 AM to 4:30 PM Friday, October 16

COMMUNICATION ARTS THEATER

AT CUYAMACA COLLEGE

900 Rancho San Diego Pkwy, El Cajon, CA 92019

For more Information (619) 660-4425 or email: alan.ridley@gcccd.edu

HOT TOPICS

Employers' Top 3 Most Important Knowledge and Skill Areas

1. Ability to communicate with customers, in writing and in person.
2. Understanding of local and state energy efficiency requirements and incentives for new and existing buildings.
3. General understanding of the mechanics and engineering of energy systems, including HVAC, lighting, and renewable energy systems.



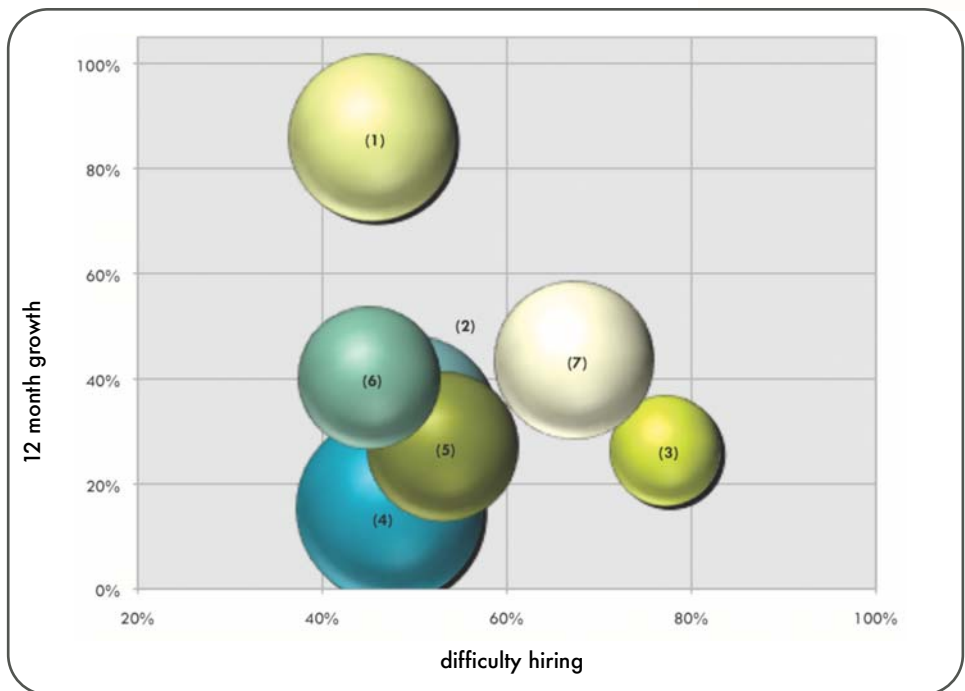
A Green Firm ...

is an organization that provides products and/or services that are aimed at utilizing resources more efficiently, providing renewable sources of energy, lowering greenhouse gas emissions, or minimizing environmental impact.

*Workforce Challenges

Employers indicate difficulty in hiring for all seven (*energy efficiency*) occupations. The chart below shows the 12-month projected growth rate of the seven occupations in relationship to the level of difficulty hiring. The area of each bubble represents the size of current employment for each occupation.

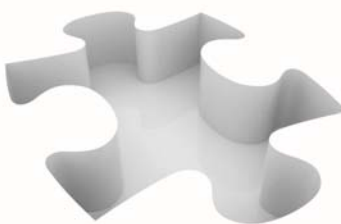
- More than 58% of employers surveyed reported great or some difficulty finding qualified applicants for all eight occupations.
- Three out of four employers experience difficulty finding building controls systems technicians.
- Two out of three employers reported difficulty in finding qualified building operators/building engineers, resource conservation/energy efficiency managers, and project managers for construction or design work.



- (1) Solar PV Installers
- (2) Operations and Repair Technicians
- (3) Research and Development Technicians
- (4) Supervisors or Managers of technicians and maintenance workers
- (5) Sales Representatives or Solar Sales Estimators
- (6) Customer Service Representatives
- (7) Renewable Energy Engineers

*Courtesy of the Centers of Excellence initiative of the California Community Colleges Economic and the Workforce Development Program (<http://www.coeccc.net/green>)

BRINGING THE PIECES TOGETHER BY
"EMPOWERING COMMUNITY COLLEGES
THROUGH LEADERSHIP, ADVOCACY,
AND SUPPORT"



Registration Information
Registration Sign-in & Breakfast at 7 AM

Name _____
First Last Title
 Company or School _____
 Course Title or Area of Interest _____
 Address _____

 Email _____ Phone (____) _____

Please check your menu choice for lunch:

	Choose 1
Grilled Chicken Salad with apples, cranberries and pecans	<input type="checkbox"/>
Catalina Shrimp Salad with spring greens, tomato, cucumber and cilantro relish	<input type="checkbox"/>
Vegetarian Salad	<input type="checkbox"/>

In order to prepare for the appropriate number of guests at the breakout sessions,
please select the group you are most likely to attend for each session:

AM Breakout 1

Focus Topic	Renewable Energy	Environmental Mgmt.	Automotive Transportation	Green Building
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PM Breakout 2

Focus Topic	Energy Efficiency	Water/Waste Water Waste Mgmt.	Biofuels	Sustainable Landscape
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PM Breakout 3

Focus Topic	Renewable Energy & Efficiency	Environment & Technology	Auto Transportation & Biofuels	Green Building & Landscapes
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Notes or Special Accommodation Requirements

RESET SUBMIT

For More Information or to Register for this free event: fax to: (619) 660-4361
 Visit: www.sdicoe.net/events.asp Email: alan.ridley@qcccd.edu

HOT TOPICS

The Demand for Water Continues to Increase with the Population

1. Water conservation and waste management efforts are necessary to ensure that future generations have access to freshwater.
2. Water supply and distribution is an important function to water management.
3. Wastewater treatment & management uses environmentally friendly methods to clean waste water before returning it to the environment.



A Green Job ...

is an occupation that 1) directly works with policies, information, materials, and/or technologies that contribute to minimizing environmental impact, and 2) requires specialized knowledge, skills, training, or experience in these areas.

The FREE Growing Green Careers Symposium - learn effective models for "greening" existing curricula for: career technical educators, administrators, and counselors.

- Expert speakers from industry and the classroom discuss the impact of the emerging green economy on regional education such as; renewable energy, automotive/transportation, environmental management, construction, landscaping, energy efficiency, water/waste water.
- Interactive breakout sessions will provide opportunities to explore best-practice models in use across the state preparing students for careers of the future. A complimentary continental breakfast, lunch and snacks will be provided for all attendees.
- Sponsorship Opportunities are Available.

the first 50 people to register receive a free 1G flash drive

Morning Topics 8 AM to 12:00 PM

Lunch Noon to 1:30

Afternoon Topics 1:30 PM to 4:30 PM

Renewable Energy

Energy Generation, System Installation & Storage

aimed at developing, introducing and installing the technologies, which harness, generate, store, and distribute renewable sources of energy.

Energy Efficiency

Energy Transmission & Distribution

the process that connects renewable energy sources to utilities and consumers.



Automotive Transportation

Alternative Fuels

focuses on developing the technology, manufacturing and servicing vehicles that run on alternative fuels, and "greening" transportation infrastructure and logistics processes.

Alternative Fuels & Biofuels

Production & Sustainable Farming

associated with producing alternative fuels and/or energy from biological products and waste, as well as incorporating environmentally friendly practices and principles in the overall farming process.



Environmental Management

Compliance & Sustainability

contains establishments and governmental agencies that plan, establish, execute and control environmental quality standards, usually in regards to air, water, land, and other environmental resources.

Water Management

Water, Wastewater & Waste Management

includes the development and operation of systems, connected with treatment and conservation of water, recycling of wastewater, and solid waste management.



Green Building

Building & Energy Efficiency

comprised of industries that are clustered around the purpose of making new and existing buildings resource efficient and friendly to the environment.

Sustainable Landscaping Conservation & Pollution Prevention

focuses on best - management practices that promote water conservation, the reduction in energy usage, chemical application and green waste production.



C U Y A M A C A
• C O L L E G E •



**ECONOMIC AND WORKFORCE
DEVELOPMENT
THROUGH THE CALIFORNIA
COMMUNITY COLLEGES**



For More Information or to Register for this free event: Visit: www.sdcoe.net/events.asp
Contact: Alan Ridley, Project Specialist (619) 660-4425 Email: alan.ridley@gcccd.edu

Funded by a Grant from the California Community Colleges Chancellor's Office