



Washington State
Centers of Excellence

COEWA.COM

Welcome to the Washington Centers of Excellence newsletter.

Our mission is to serve as the statewide liaisons to business, industry, labor, and the state’s educational systems for the purpose of creating a highly skilled and readily available workforce critical to the success of the industries driving the state’s economy and supporting Washington families.

AEROSPACE & ADVANCED MANUFACTURING

In November, three Centers of Excellence (COE) from Washington participated in a regional conference in Reno, Nevada for the American Technical Education Association (ATEA). The COE’s for Aerospace, Construction, and Clean Energy, were represented at the conference, whose main focus was to discuss how the Telsa Gigafactory chose Reno to build a plant.

The Telsa Gigafactory plant is enormous and encompasses about 1.9 million square feet, and is rapidly growing. Over half of the plant includes Tesla partner, Panasonic, who is the battery production arm of the Tesla vehicles.

The purpose, in bringing ATEA and the Centers of Excellence, to the region was to discuss workforce development. The lead panel moderator, Jim New with Truckee Meadows Community College, and host of the event, said that he wanted to focus on how they attracted Telsa to the area. The biggest hurdle was to demonstrate that they could train and provide an available workforce for a burgeoning business like Telsa.



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He said, "Reno had to land 40 manufacturing companies before Tesla even looked at us." He added that there is a multiplier effect - while Tesla would be adding thousands of jobs - they had to consider how many additional jobs were needed in other areas such as the service industry; as well as concerns over housing and the construction industry - a direct supporter of the rapid growth. Representatives from community colleges, chambers, and other workforce development arms for ATEA's regions 3 & 6 were there - which includes Washington, Oregon, Idaho, Wisconsin, Illinois, Indiana, and more mid-western states.

AGRICULTURE



The Agriculture Center of Excellence has seen a few changes in the New Year. Bill Griffith, former Director, has moved into retirement. Lindsey Williams, previously Coordinator of Marketing and Communications, is now Interim Director. ***We wish Bill the best in retirement, and are excited to see what the future holds for him and his family!***

The Ag Center has stepped into new areas recently, joining with the Farmer Veteran's Coalition to assist in coordinating agricultural trainings (business and production) for veteran farmers. We will also be teaming up with Spokane Conservation District to provide materials and information for exiting military to find the right 2-year agricultural program as they transition to a civilian lifestyle.

As we move forward into 2018, we plan to continue many of our ongoing projects, and are looking forward to serving both the agricultural communities of Washington, and the Community and Technical College System.

ALLIED HEALTH



Assessing Washington's Life Science
and Global Health Workforce Dynamics:
Enhancing Connections and Addressing the
Skills Gaps to Ensure Future Growth

Prepared by: TEconomy Partners, LLC
Prepared for: The Washington State Department of Commerce
October 2017



TECONOMY
PARTNERS LLC

Using the theory of Collective Impact, the Allied Health COE, joined by college and industry colleagues, presented a session on engaging industry and creating mutual benefit entitled Activating Community College and Community Health Center Partnerships for Health Workforce Benefit at the National Council for Workforce Education in Salt Lake City, UT. October, 2017.

The AH COE represented the CTC system on the Washington Life Science & Global Health Workforce Panel and subsequent study completed by TEconomy. This study represented a year-long effort to assess the workforce dynamics in Washington State. A copy of the report and recommendations can be found at <http://www.commerce.wa.gov/wp-content/uploads/2017/10/Washington-life-science-global-health-study-2017.pdf>

The Health Workforce Council met in November, 2017. As part of its numerous agenda items, the Center for Health Workforce Studies released its report on the Oral Health Workforce, available at http://depts.washington.edu/fammed/chws/wp-content/uploads/sites/5/2017/11/Washington_State_Oral_Health_Workforce_FR_Nov_2017_Patterson.pdf

The Center recently hosted the Allied Health Deans and Directors on Friday, January 5 at South Seattle College. Agenda topics included: Behavioral Health training and the Allied Health Workforce; Social Determinants of Health and Health Workforce Training and Career Mapping for the Health Sciences.

CAREERS IN EDUCATION

We are preparing for the 10th Anniversary statewide "Teaching Equity" conference to be held at Highline College on Saturday, April 28, 2018, in partnership with the Washington Education Association (WEA), Professional Educator Standards Board (PESB), Martinez Foundation Fellows, Office of the Superintendent of Public Instruction, Phi Delta Kappa, Puget Sound ESD, Highline College, and various school districts. This conference focuses on a number of topics including closing the achievement gap, building culturally responsive classrooms, as well as a Youth Summit which is a mini boot-camp for future teachers to explore careers in education.

In addition, we have formalized the statewide Teaching Equity Network (TEN) in partnership with the PESB, WEA, and other stakeholders. The TEN is a network of cross-sector collaborators promoting equity in the preparation of future educators, equity in pathways into teaching, and ongoing training around diversity and cultural responsive practices for educators. Together, we have established the TEN Grant Fund which encourages others around the state to develop their own "Teaching Equity" related events, projects, and initiatives. To help foster these initiatives, the Teaching Equity Network Fund will provide grants of up to \$5,000 through a competitive application process. Look for the next round of applications to be released this spring on the Center's website: www.careersined.org.

CONSTRUCTION AND MARINE MANUFACTURING & TECHNOLOGY

Registration is open for both upcoming events!

The Centers of Excellence for Construction and Marine Manufacturing are excited to welcome [Dr. Rita Cameron Wedding](#) back to the Northwest for an inspiring transformative workshop on implicit bias, diversity, and social justice.



The morning workshop will feature Dr. Cameron Wedding's signature energetic style and lifelong work on the issues of race and bias. Lunch is included in the cost of the workshop.

Seats are limited, reserve yours today at constructioncenterofexcellence.com/bias

Implicit Bias, Diversity and Social Justice Workshop

Wednesday, March 7, 2018,
8:00 a.m. to 12:00 p.m.

Edmonds Community
College

Registration: \$75.00



The banner features a collage of photos of women in construction and manufacturing roles on the left. On the right, the EmPower logo is displayed above the text "EMPOWER YOUR CAREER" in large orange letters. Below that, it says "Washington's premier conference for women in the trades returns on March 8, 2018".

EmPower your career at the second annual EmPower Conference

Prepare to learn, connect, and be inspired on March 8, 2018, International Women's Day.

The day-long conference includes insightful keynote speakers, discussion panels led by female industry leaders, and highlights of trailblazers and rising stars in the trades.

Men and women are invited to join this shared movement as we encourage more women to "lean in" as leaders and support recruitment of more women into nontraditional career opportunities.

This conference was so amazing, just all the leadership here, all the mentors, all the young people, you know, looking to get in, it's inspiring.

– Shannon A., Electrical Foreman

Register for the conference at tradeempower.com

CLEAN ENERGY

[The Washington Jobs Project: A Guide to Creating Jobs in Grid Modernization](#) was created by the American Jobs Project in partnership with the University of Washington and Western Washington University. Information was obtained from over 50 interviews including the Pacific Northwest Center of Excellence for Clean Energy, SBCTC, Workforce Training and Education Coordinating Board and other government, nonprofit, academic, and business and labor leaders in Washington.

The report summarizes Washington's competitive advantage in grid modernization. It provides a guide for growing state industry by capitalizing on growing market opportunities and aligning manufacturing with critical economic system components — including access to capital, innovation ecosystems, and workforce development.

According to the report, with the right policies, Washington's grid modernization industry could employ an average of 13,800 Washingtonians annually over the next 13 years.

The Washington Jobs Project is intended to stimulate discussion of future growth potential and opportunities for barrier removal in the grid modernization industry.

Read more at <http://cleanenergyexcellence.org/washington-jobs-project-a-guide-to-creating-jobs-in-grid-modernization/>



The Washington Jobs Project

A Guide to Creating Jobs in Grid Modernization

MAY 2017

AMERICAN JOBS PROJECT ■ ■ ■

CONSTRUCTION

The Construction COE is in the development phase of a fully automated construction industry data dashboard. This dashboard will provide labor market data including future openings, wages, and information on occupations; pre-apprenticeship programs, apprenticeship programs, and education and training programs. The dashboard is scheduled to launch on the CCE website by May 2018.



CCE is facilitating the development of other tools to support expansion of apprenticeship in Washington including marketing templates and tools, an employer engagement toolkit, webinars and videos, a new brand for Washington Registered Apprenticeship, and an apprenticeship system map. Contact Shana Peschek speschek@rtc.edu if you want more information on these resources.

In partnership with ANEW (Apprenticeship and Nontraditional Employment for Women), CCE is producing a webinar on preventing bullying and harassment on the job.

GLOBAL TRADE & SUPPLY CHAIN MANAGEMENT

Center Director Meg Ryan recently entered retirement. *We are grateful for her service, and we wish her a bright future!*

HOMELAND SECURITY-EMERGENCY MANAGEMENT

Establishing Apprenticeships in the All Hazard Emergency Management Field

For the past year the Center has been working with the State Board, RAISE Grant Team Members, Pierce College, State Labor and Industries, and Labor Council staff to identify apprenticeship opportunities in the all hazard emergency management career field. A series of meetings were held during the year with Belfor a national mitigation company headquartered in Seattle, State Corrections Programs and the Insurance Industries.



On December 18, 2017, Peter Guzman, Policy Associate Workforce Education, announced that the Independent Insurance Agents & Brokers of Washington (IIABW) agreed to pursue a registered apprenticeship program.

Daniel Holst, Executive Vice President of the Association said, "we are very excited about creating this apprenticeship. This registered apprenticeship meets our future business model in fulfilling our workforce needs."

Danny Marshal, Workforce Education Administer, praised the work done by the Center to organize the efforts to kick this off. The IIABW will be submitting an proposal for approval at the Spring meeting of the Washington State Apprenticeship & Training Council. Rachel McAloon from Labor and Industries will be guiding the Insurance Industry along with Ron May, Dean at Pierce College through the steps necessary to receive the WA State Apprenticeship Council's approval. Pierce College expects to incorporate this apprenticeship program in its Homeland Security Emergency Management Program.

The Center and with the IIABW is supporting the Apprenticeship and Employers Forum which is being held on February 13, at South Seattle College's Georgetown Campus. Employers including the IIABW will share their views on how the Washington State Apprenticeship system can be of the most use to employers. Tools and a training program will be developed for those assisting employers including videos. For more contact Shana Peschek, Director Construction Center of Excellence www.constructioncenterofexcellence.com.

INFORMATION & COMPUTING TECHNOLOGY

Registration for the FREE 2018 IT Futures Summit is Now OPEN!

Will You be on the Team That Beats Last Year's IT Jeopardy Winners?

Registration is now open for the Center of Excellence for Information & Computing Technology 2018 IT Futures Summit taking place Thursday/Friday, May 17/18, 2018 at the Mercer Island Community & Event Center. IT faculty from across the state are invited to attend this a 1.5-day experience. Note: For those traveling over 50-miles, travel costs will be covered by the Center of Excellence. The Summit's agenda includes:



- Updates on CoE project and services,
- Update on the IT statewide marketing plan,
- An industry panel,
- IT Faculty Scholarship Recipient Presentations,
- Machine Learning and Robotics Presentation,
- New topics for discussion, including SBCTC updates, new BAS degrees,
- IT Jeopardy 2018 (Who will triumph?) And, yes, after a question is correctly answered, the next question is up for grabs for any of the three groups,
- Connections with industry professionals about the state of the IT (and, IT-enabled) industry,
- And, more...

Register for the summit at surveyMonkey.com/r/ITFutures2018

State of the Gaming Industry in the King County Region (Report)

This a high-level overview of the state of the gaming industry in the King County region and includes information related to types of gaming jobs, demand for software developers in gaming occupations, competition for community and technical college (CTC) in King County from other educational organizations. Finally, there are recommendations for developing a game developer program of study. View the report at <http://www.coeforict.org/wp-content/uploads/2017/12/State-of-the-Gaming-Industry-in-the-King-County-Region-Published-121917.pdf>

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