



Homeland Security Emergency Management: 2014 Highlights

Hosted at Pierce College the Center was designated by the Governor in 2004 as one of the 10 Centers of Excellence. Target industries include: law enforcement, safety and security, emergency communication and management, public health, medical and social service, environmental health and safety, hazardous materials, public works, fire, risk & disaster assessment, threats and hazard identification, cyber security, forensics and intelligence information and sharing, and critical infrastructure protection. Director, Linda Crerar, lcrerar@pierce.ctc.edu www.COE-HSEM.com

New Center Website: www.COE-HSEM.com - This new website is designed to showcase all HSEM education programs available statewide, provides a link to both public and private job pathways and key information on emerging trends and best practices in the field. A new section on the site highlights training and education and employment opportunities for military personnel looking to transition into the civilian workforce. The website also has new areas where community members and businesses (future employers) can learn about training, tools, and templates to improve their organization's disaster resiliency. The website is updated regularly with blog posts, trainings and educational program offerings, and our annual Summit and Conference information.

Economic Development

Sustaining Our Nation's Infrastructure: The 9th Annual Energy and Construction Best Practices Summit, held June 18 and 19 of 2014 at Centralia College. The Center partnered for the first time with Centers for Energy-Technology, Construction Management, Aerospace, and Marine Manufacturing. Industry experts representing energy, construction and advanced manufacturing attended the Summit which focused on the implications of global climate change on sustainability, carbon constraints and workforce impacts and also discussed planning for regional earthquake readiness.

Washington State Service Member for Life Transition Summit at Joint Base Lewis-McCord: (organized by the Washington Dept. of Commerce). The Center and 8 other COEs recruited, coordinated and moderated sector strategy panels, which align with the Governor's key industries focus areas. The summit featured seminars, roundtables, panel events, recruiter training, and discussions of improving competitive employment for service members and veterans. More than 4,000 transitioning military personnel attended and heard from speakers such as Governor Jay Inslee, COL James P. Isenhower, III, Congressman Denny Heck, LTG Stephen R. Lanza, Senator Patty Murray and others.

Partnership Agreements Developed a Partners MOU to facilitate establishing partnership agreement. Agreements have been developed with CyberWatch West, Center for Regional Disaster Resilience and the National Disaster Training Center at the University of Hawaii. Partner organizations and institutions help to sponsor and/or participate in the Center's programs and activities and provide advice, support and leadership for HSEM Centers programs and activities and advocate for Public Safety, Security and EM Programs within the broader professional community.

Precision Agriculture & Tribal Public Health Emergency Management Conferences – Center staff delivered 6 training sessions on Agro Terrorism at the request of the Agriculture COE and focused on biosecurity measures for farms and in August the Center hosted an exhibitor booth at the first National Tribal/Public Health Emergency Management Conference held in Spokane.

Industry Sector Strategy:

Cyber-Security Summit—The Center was a sponsor of the Cyber Security Summit held October 30, 2014 at Whatcom Community College. Over 100 people attended and the focus was on business and industry needs. The Summit provided excellent insight into the educational needs and issues of managers and CEOs from the business community. The information collected at the Summit on going work with Whatcom CC and CyberWatch West was incorporated into final development of the **HSEM Cyber Security Certificate**. Certificate expected to be available in fall of 2015 for all statewide HSEM colleges.

Protecting Supply Chain Security & Resilience - Partnering with the COE for Global Trade and Supply Chain Management, HSEM hosted a forum in October called *Protecting Supply Chain Security & Resilience*. More than 80 supply chain management experts from both the private and public sector as well as educators and students attended the collaborative one-day educational forum. The forum offered the opportunity for participants to understand the education and training integration between supply chain security and emergency management and the various career pathways available. A video and written summary will be available on the Centers of Excellence for Global Trade & Supply Chain Management and Homeland Security Emergency Management websites. The data gathered from the Forum along with an occupational analysis and survey of curriculum will be utilized by the Center and HSEM Degree Program to complete an occupation analysis-skills profile for the **Maritime, Port and Transportation Security Certificate**. Target date for new Certificate is fall of 2015.

Continuity of Operations Certificate- Provided support to Pierce HSEM for the completion of an MOU with Edmonds CC to join with the colleges who are delivering the HSEM Program. The MOU allows Edmonds to include their Business Continuity Certificate to be offered as part of the HSEM Program to all 8 collaborating colleges.

Education, Innovation and Efficiency

Partners in Preparedness: Developed guidebook on the topic about the “Importance of Internships: Integrating Internships into Your Organization” and presented it in a workshop at the April 22-24, 2014 Partners in Preparedness Conference. Thirty-five people from different organizations and educational institutions attended the workshop and gave positive reviews of the session and guidebook.

HSEM Educators-Practitioners Summit: 150 people attended our “Discovering Communities of Practice and Career Pathways in HSEM” Summit in 2014. The purpose was to build awareness and understanding in the field that disaster preparedness is a shared responsibility. Everyone should have the responsibility to contribute including individuals, communities, and the private, public and nonprofit sectors. Workshops were held in the afternoon including a session on Educational Pathways from K-12 to Higher Education. KSAs identified as critical are technical and

soft skills, science and social science. Applied learning and internships were cited as highly important for integrating KSAs. An Executive Summary was published along with the “*Four Year College & University Pathway Programs*” which is available on the website.

Designing, Developing and Implementing “Vertical Track” Career Pathway: The Center continues to support the use of the statewide online delivery system for the HSEM curriculum housed at Pierce College and other allied programs. The Center shared HSEM templates and curriculum for offering the HSEM program. Currently there are 8 colleges now offering the HSEM Certificate/Degree Program statewide with additional colleges have committed to participate in this unique statewide online delivery model.

The Center continues to facilitate the development of a career pathways at all levels of educational attainment for K-20. The Center is working with Pierce College on the design and development of the HSEM-BAS degree which will launch fall of 2016.

The Center’s staff developed and delivered a course on bio-security and safety including agro-terrorism for the CoE for Agriculture’s Precision Ag Summit.

The Center also provided information to statewide Skills Center Directors about HSEM careers and the AA degree. Clark County Skills Center proceeded to establish the first Homeland Security program for high school students in Washington. This year long program is designed to give students the history of HS an understanding of the work of DHS, certification in the Incident Command Systems process. The Skills Center program will encourage them to become community leaders working with university students to develop emergency response plans for their schools and neighborhoods. We are currently drafting an articulation agreement with the Skills Center and Pierce College for students to transfer to any of the 8 collaborating colleges that offer the HSEM degree.

Workforce Supply and Demand

Military Pathways: Established a Public Safety, Security and EM Military Pathways project that will work with all of the CTC programs to simplify and establish a more streamlined process for Veterans and Military to achieve academic credits in recognition of their training and experience. The Criminal Justice workgroup is the first of many pathway projects which will include HSEM, Fire Command and Occupational Health and Safety. A “Guide to Establishing Public Safety, Security and EM Military Pathways” process was published for use by workgroups. This project had originally been included in a TAACCCT grant application from Pierce District Colleges and which did not receive funding.

Critical Infrastructure Resilience Center of Excellence: Working with a coalition of state colleges and universities led by the University of Washington, Center staff contributed to a Department of Homeland Security grant to the Department which would award \$160 million dollars to establish a Critical Infrastructure Resilience Center of Excellence. The grant requires the applying institution to partner with workforce and professional development programs (community colleges) to strengthen and build diversity of HSE Technical workforce in science, engineering and analytical capabilities, and business administration for HS workforce both current (professional development) and future workforce development. The application was one of only four (4) selected for a site visit by DHS prior to making a final award determination.

Work-based learning/internship initiative: Met with Director of State Emergency Management Division to discuss formal establishment of a program for undergraduates and graduate level students that would embed students in projects at EMD in areas including planning and policy analysis, cyber-security/new technologies, COOP and appropriate research areas related to mitigation and recovery. This collaboration with SBCTC colleges and other higher education partners would address actions identified in the TAACCCT and FEMA Resilience COE grant and would request from the state Emergency Management Council to involve students more directly in gaining workforce experience and in turn would build capacity and capability in the state emergency management system.