

CENTER OF EXCELLENCE – HSEM FY 17-18 WORK PLAN

Center Name: Homeland Security Emergency Management

Focus Area	Activity 1
<input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Sector Strategy <input checked="" type="checkbox"/> Ed/Innovation/Efficiency <input type="checkbox"/> Supply/Demand	<p>Centers of Excellence Partnerships and Collaborations for Industry Sectors and Career Pathways (Agriculture, Allied Health, and Supply Chain)</p> <p>Facilitate, in partnership with at least two to three other COEs, one or more one-day conferences for in areas of Agriculture, Allied Health, and Supply Chain.</p> <p>1.A) For CoE – Agriculture: October 26, 2018 Food Defense Forum at Walla Walla Community College. Will collaborate with CoE – Agriculture and WA Department of Agriculture. The purpose of the Forum is a follow-up from the 2017 Securing the Supply Chain Forum: From Farm to Fork. The goal is to increase awareness about the need to understand food protection to secure and defend our agricultural and food economy. While also address the vulnerability of the food supply chain and the need to discuss the preparedness, response, recovery and mitigation issues related to our food supply, plant and animal health and security. Converse and identify training, education and best practices that translate into expanded curriculum and certifications and programs.</p> <p>1.B) For CoE – Global Trade & Supply Chain Management: Follow-up from 2018 Supply Chain Forum. UW Jacksons School of International Business would like to support both Centers on doing a follow-up workshop before August 15. The UW Jackson School of International Business will provide a \$150 stipend for all faculty who would attend and pay for food and other costs. Grant could be around \$15,000. After discussion with Kaitlin Bermingham from Global Trade we identified one item from the Forum Summary that we felt hit the target that the UW would be interested in funding. Alan Van Boven one of our faculty panel at the Forum identified the issue of “how information technology should be taught to students”. He advocated not teaching actual technology in depth but rather teach the impact. We thought the topic would be perfect for faculty professional development for all of our career pathway instructors. We reviewed dates for summer quarter and determined the date of Monday, July 30, at Highline College would be the best fit.</p> <p>1.C) For CoE – Allied Health: Will collaborate with Allied Health, along with Global Trade and Agriculture on the 2019 Securing the Supply Chain Forum. The focus will be on health care and the supply chain related to chain care products. Dan Ferguson, COE Director for Allied Health, and Global Trade, HSEM and Agriculture will all participate in this Forum. The Agriculture industry is where most pharmaceuticals come from and the health care practitioners are who deliver the “goods” to patients and communities. Sam will share the write up that Dan and he already talked about with all of us. “Securing the Pharma Supply Chain: Current Challenges and Key Steps” is a working title with “A Pharmacist’s Role in Chronic Disease Medication Management during Disaster Response” as one of the key topics at the Forum. The pharmaceutical industry is evolving quickly. More than ever, there is a need for speed. Consumers are demanding more personalized and high-tech care, delivered in-home and when convenient to them. They are requiring direct contact with the providers in the care continuum in a way unprecedented in this industry. The cost</p>

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	<p>of the shortcomings of today's supply chain is substantial. Since 2005, drug shortages have nearly tripled in the United States and added more than half a billion dollars in cost for hospitals worldwide. Supply issues also create opportunities for counterfeiters and gray-market vendors, threatening patient safety and cutting into the revenues of legitimate companies. Supply-chain security breaches are increasing by an average of more than 33 percent every year, rising not only in emerging markets such as China, India, and Brazil but also in the developed world. In addition, medication errors in the developed world occur in roughly 10 to 20 percent of all inpatient hospital admissions. About 1 in 10,000 patients admitted dies from adverse drug events, which, we estimate, add \$20 billion to \$90 billion in costs to the health-care system globally. Better supply-chain processes are central to increasing patient safety. We estimate that adopting a common global data standard and upgrading supply-chain processes could slash counterfeiting in half, returning \$15 billion to \$30 billion in revenue (by 2016) to legitimate companies for reinvestment in further improvements to patient care. Location for Forum is still TBD, possibly Yakima, WA.</p>	
Funding Sources %	Purpose	Projected Outcomes and Products
<p>CoE HSEM - 25% Coe Global Trade - 25% CoE Allied Health - 25% CoE Agriculture - 25%</p>	<p>Collaborate with Industry and Education in multiple sectors to develop and deliver information and training opportunities that will provide:</p> <ol style="list-style-type: none"> 1. Access and awareness to the latest agricultural industry trends in food production, food defense, and management throughout different sectors. (1A) 2. Information about changing trends and best practices between Washington State's agricultural companies, producers, and students. (1A) 3. How the impact of technology can effect students and employers? (1B) 4. How teachers/instructor can have more success instructing students in areas of information technology from K-12 and Higher Education (1B) 5. Discuss how the Pharmaceutical (Allied Health and Supply Chain) sector has adopted a number of strategic moves to improve its efficiency, including outsourcing and partnerships. (1C) 6. The impact of loss of revenue and loss of consumer trust, human life is ultimately at stake when it comes to Securing the Pharma Supply Chain. (1C) 	<ol style="list-style-type: none"> 1. Summer workshop on July 30, 2018 at Highline College (Supply Chain). 2. Fall Food Defense Forum on October 26, 2018 at Walla Walla Community College Agriculture). 3. Spring Forum in April. Location TBD (Supply Chain and Allied Health). 4. Promote the event to increase percentage in student attendance and participant registrations by an additional 20%. (For Fall and Spring Forums) 5. Produce publications for identifying best practices and marketing online, digital, and hard copy. (For Fall and Spring Forums) 6. Evaluations of the Forums.

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		<p>7. Provide post-event materials to support future, similar, events, and disseminate information to multiple stakeholders. (For Fall and Spring Forums)</p> <p>8. Timeline: July 2018 – April 2019</p>
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Focus Area	Activity 2
<input type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Sector Strategy <input checked="" type="checkbox"/> Ed/Innovation/Efficiency <input checked="" type="checkbox"/> Supply/Demand	<p><i>Career Connected Pathways</i></p> <p>Industry, policy, and education leaders all across the state are working to share best practices and policies to increase and strengthen career-related opportunities in high demand jobs. The need increases for our state to ensure that people receive an education that prepares them to take part in our economy and real world by having access to “hands-on career connected learning opportunities.” The Center’s “Work Experience Market Place” established in 2015 which utilizes direct employer engagement activities to dramatically increase job placements through the establishment of a sustainable internship brokering and mentoring programs.</p>

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- Continue to support and expand the Center’s outreach to improve outcomes for career-related opportunities for K-12 and other populations interested in our career pathway fields w/dedicated Regional Education & Outreach Coordinators.
- Coordinators will work with Regions school’s/colleges to support the Center’s plans in career pathway engagement and guided pathway activities.
- Expand Regional Coordinators duties to include: complete Regional Coordinator’s Guidebook that will include a companion guide for Employer Engagement Survey Guide; continue to support the establishment of sustainable internship brokering and mentoring program.
- Support apprenticeship initiatives w/CJ/Corrections, Insurance and other employers to be identified.
- Visit WDCs and each college in catchment area each year w/direct communication w/program leads/faculty in districts.
- Employer Engagement Survey geared towards eastern WA
- Address colleges and program concerns and identify barriers to faculty, staff and colleges regarding assisting students with employer placements. (need employer driver program vs college driven program)

Apprenticeships have state and federal government funding support. Center currently is supporting apprenticeships with the Insurance Industry and the Occupational Safety and Health Program w/their Certified Safety Apprenticeships.

- Analyze the issues and barriers related to implementation of these first two programs and address those with partner agencies and employers to eliminate them.
- Work with OSH Program to assure success of their Certified Safety Apprenticeships and share lessons learned with other regions/colleges in the state to expand the program.
- Engage w/OSH Advisory Board to expand OSH Program certificates/degrees to other collaborating college
- Support apprenticeship initiatives w/CJ/Corrections and other employers to be identified.
- Visit WDCs in each colleges’ catchment area each year w/direct communication w/program leads/faculty in districts.

Work with Skills Centers/high school to identify opportunities for dual degrees in OSH, HSEM, CJ and other programs
 The Center will continue to expand and enhance its “career connected learning” activities with K-12 dual degree opportunities in its six career pathway programs. Discussions started in earlier in 2017 to establish apprenticeship and pre-apprenticeship programs in our public safety, security/cybersecurity and emergency management pathways will continue as will work with OSPI and the Skills Centers to establish “dual-degree” opportunities with the initially focus being with our Criminal Justice, OSH and Emergency Management.

- Connect/visit all 15 Skills Centers in each region
- Work with Skills Centers/high schools to identify opportunities for dual degrees in OSH, HSEM, CJ and other programs.
- Initiate discussion to establish apprenticeships on the east side of the state.

Funding Sources %	Purpose	Projected Outcomes and Products
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<p>CoE HSEM - 100%</p>	<ul style="list-style-type: none"> The Center has developed a strong career connected earning model for its HSEM career cluster programs. The Center will continue to focus on growing capacity at the local college level expanding its employer engagement matching employer needs and programs staff/faculty to create a career pipeline for students. This will be through expanding employer networks, providing survey feedback, building internship/placement opportunities, and supporting collaboration, resource sharing and professional development. The Center has a great record for creating sustainability for our CTC colleges by growing the number of employers they have a relationship and placing students in internship/apprenticeships jobs. 	<ul style="list-style-type: none"> Engage with Cybersecurity staff/faculty and their employers/hiring managers to identify needed knowledge, skills, and abilities (KSAs) and support college programs to adopt appropriate business practices to ensure job place pathways. Provide research/survey information to programs. Expand internship/service learning/apprenticeship opportunities in the CJ, OSH, Cybersecurity and EM pathways by 25%. Analyze ways to increase/expand industry participation with college programs including work based training (opportunities and provide feedback to colleges. Provide summary to college programs and SB of findings from the Activity which will include hiring trends, skill set needs/gaps and worker training and resource needs. Increased awareness of pathways through distribution of HSEM Career Pathways Program Guide and/or brochure. Host employer engagement and career pathways program discussions/forums with CTC a minimum of 3 colleges' career centers to engage community employers. <p align="center">Timeline: July 2018 – June 2019</p>
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<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Sector Strategy <input checked="" type="checkbox"/> Ed/Innovation/Efficiency <input checked="" type="checkbox"/> Supply/Demand 	<p>Public Safety/Security/ Cyber-Security Program Assessment/Enhancement</p> <p>The Center will continue its work with the 20 CJ Programs and employers to implement the model core curriculum in the CTC CJ Programs and identify and address barriers within the system to proceed with implementation in some colleges. These barriers will be addressed and recommendations made to SBCTC to resolve issues/barriers to a model core curriculum which is more effective and efficient degree attainment system in Washington that meets the needs of our CJ employers. Curriculum has been aligned to use common core numbering and course naming along w/building curriculum crosswalk. Establish a Canvas site which allows programs to post their curriculum. Prior Learning Assessment models are being reviewed.</p> <ul style="list-style-type: none"> • Move forward to implement CJ common core entry level curriculum. • Hold quarterly CJ Program meetings and support annual faculty/practitioner conference. • Continue to support professional associations for career pathways such as WSEMA and WSAPSTE. • Expand the Assessment/Enhancement process to other career pathways: <ul style="list-style-type: none"> <input type="checkbox"/> Support program review and assessment of OSH for expansion to collaborating colleges. <input type="checkbox"/> Collaborate with Dr. Amelia Phillips, Board Member/Cyber Security Forensics Program Director on establishing the Cyber-Security Program Assessment. The Community and Technical Colleges (CTC) Cybersecurity Programs need to be brought together and discuss a core curriculum. It will be the same model as we did with the CJ programs. <input type="checkbox"/> Review and assessment of crisis communication (911) programs for expansion with the CTC system. • Develop/establish specialized certificates in Disaster Response Crisis Counselor/ Disaster Volunteer Management, Certified Security Protection Professional and Food Defense. 	
Funding Sources %	Purpose	Projected Outcome and Products
CoE HSEM - 100%	<ul style="list-style-type: none"> • Through this activity CJ programs will be able to develop a model core curriculum base platform that can be adopted by individual college programs statewide and provide the training and educations required for students to best ensure 	<ul style="list-style-type: none"> • Hold quarterly CJ and Cybersecurity work group meetings to analyze current CJ education/training and Cybersecurity education/training system including CTC and industry sectors and produce minutes and reports.

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	<p>their success in today’s workplace. Now the Center will take the next step by including Cybersecurity to work with employers and program coordinators on identifying core strengths (KSAs) and a DACUM process</p> <ul style="list-style-type: none"> Analyze and recommend a more effective and efficient system to CJ and Cyber Security degree attainment including opportunities for work experience using internships/apprenticeship. 	<ul style="list-style-type: none"> Identify members of a working group representing existing programs and complete a Cybersecurity work plan to information industry and colleges communities of existing programs, assess current curriculum, identify curriculum gaps/needs and discuss opportunity to establish a core curriculum for cybersecurity programs. Analyze w/working group new statewide core curriculum and identify specialty programs that are being offered by colleges that may be stackable certificates. Complete report on systems modifications that would significantly improve degree attainment and job placements and increased employer satisfaction w/graduate performance. <p align="right">Timeline: July 2018 – June 2019</p>
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Focus Area	Activity 4
<input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Sector Strategy	<p>Women in Leadership Forum</p>

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<input checked="" type="checkbox"/> Ed/Innovation/Efficiency <input type="checkbox"/> Supply/Demand	<p>Follow-up to the November 2017 Women in HSEM Leadership Forum. This year’s Forum theme is Woman in Politics and will be on October 3, 2018 at Highline College. Record number of women are running for office. There is an unprecedented surge of first-time female candidates running for offices big, small, from the U.S. Senate, and state legislatures to local school boards in 2018. Since the 2016 election, more than 26,000 women have reached out about launching a campaign to run for a political position. It is not just candidates. Experienced female political operatives are striking out on their own, creating new organizations independent from the party apparatus to raise money, marshal volunteers and assist candidates with everything from fundraising to figuring out how to balance childcare with campaigns. However, their goals are bigger and broader than simply shifting the balance of power in Congress. They are hoping that a wave of women pouring into public office will elevate issues that draw support from women in both parties and reshape how women think about their role in American politics.</p> <ul style="list-style-type: none"> • Hold quarterly networking events. • Support review and assessment online coaching mentoring tool and identify other alternatives to support the coach/mentor process. • Collaborate with other groups/Centers who are working to develop women in leadership roles in their fields. • Participate on a national level w/groups women's organizations in all career pathways. • Next year’s Forum theme has already been selected which will be “Women in Agriculture” 	
<p align="center">Funding Sources %</p>	<p align="center">Purpose</p>	<p align="center">Projected Outcomes and Products</p>
<p>CoE HSEM - 35% Industry Allocation – 65%</p>	<ul style="list-style-type: none"> • The program promotes long-term leadership and professional development through networking opportunities to meet and talk with other Women in the All-Hazards Emergency Management field. • To help Forum attendees meet and talk to one another to form professional relationships and to recognize, create, or act upon professional opportunities, share information and seek potential partners for ventures. • Expand the established work group to include organizations with current women in leadership initiatives in the public safety, security and emergency management career fields. • Provide the prospect in creating a community of women who support each other, who offer emotional support and information that will help each other. 	<ul style="list-style-type: none"> • Fall Forum on October 3, 2018 at Highline College. • Promote the event to maximize participant registrations (goal – 90 participants). • Attain business sponsorships to help cover a portion of the conference expenses (goal – 65%). • Develop online Women in Leadership Group through LinkedIn by the end of July to mid-August. • Quarterly networking events around the State. • Produced video and summary to post on the COE-HSEM website. <p>Timeline: July 2018 – June 2019</p>
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