

Assessment: Assessment Unit Four Column

Program - HVAC

Mission Statement: The HVAC-R program at Seward County Community College is designed to teach the appropriate skills needed for this field. Students train with state-of-the-art equipment and learn techniques to diagnose, repair, and install commercial and residential refrigeration and furnace systems.

<i>Outcomes</i>	<i>Assessment Tools</i>	<i>Results</i>	<i>Actions</i>
Technical Skills - Project/Internship (Workplace Skills - Inst. Outcome 9) - Students will successfully complete a capstone independent project or an internship. Outcome Status: Active Outcome Type: Curricular Start Date: 08/18/2015	Direct - Independent project assignment Benchmark: 90% of students will score 80% or above. Schedule: Spring semesters	Action Status: Action Complete Result Type: Benchmark Met 95% of students scored 80% or above (05/15/2019)	
		Action Status: No Action Required Result Type: Inconclusive Due to shift from 2 to 3 semesters students will not complete independent project until the fall semester (05/10/2018)	
		Action Status: Action Complete Result Type: Benchmark Met 95% of students scored 80% or higher (05/12/2016)	
		Action Status: Action Plan in Progress Result Type: Inconclusive No Employer feedback (05/15/2019)	
	Direct - Internship employer assessment survey Benchmark: 90% of students will score 80% or higher on the employer completed survey. Schedule: Spring semester	Action Status: No Action Required Result Type: Inconclusive Due to shift from 2 to 3 semester students have not completed internship (05/10/2018)	
		Action Status: Action Complete Result Type: Benchmark Met 100% satisfied (05/17/2017)	
		Action Status: Action Complete Result Type: Benchmark Met 95% of students scored 80% or higher (05/12/2016)	
Mathematical Career Literacy (Mathematical Skills - Inst. Outcome	Direct - NCCER Trade Math Exam Benchmark: 90% of students will	Action Status: Action Complete Result Type: Benchmark Met	

<i>Outcomes</i>	<i>Assessment Tools</i>	<i>Results</i>	<i>Actions</i>
<p>4) - Students will demonstrate comprehension of basic technical math functions.</p> <p>Outcome Status: Active</p> <p>Outcome Type: Curricular</p> <p>Start Date: 08/18/2015</p>	<p>score 70% or higher on the exam.</p> <p>Schedule: Spring</p>	<p>100% of students scored 70% or higher on exam (05/15/2019)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>Exam was taken in the Fall semester, 93% of students who took exam scored a 70% or higher on exam (05/10/2018)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>100% of students achieved 70% or better on exam (05/17/2017)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>95% scored 70% or higher (05/12/2016)</p>	
	<p>Direct - WorkReady Electrical Exam theory section*</p>	<p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>100% of students scored 70% or higher on exam (05/15/2019)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>100% of students achieved 70% or better on the work ready exam (05/10/2018)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>95% of students scored 70% or better on exam (05/17/2017)</p> <hr/> <p>Action Status: Action Complete</p> <p>Result Type: Benchmark Met</p> <p>95% scored 70% or higher (05/12/2016)</p>	
	<p>*Capstone Requirement (Career Literacy)</p> <p>Benchmark: 90% of students will score 70% or higher on the exam.</p> <p>Schedule: Spring Semester</p>		
<p>Career Literacy - NATE/EPA (Reading with Comprehension - Inst. Outcome 1) - Students will successfully complete the NATE Ready to Work Exam and EPA 600 Refrigerant Handling Certification.</p> <p>Outcome Status: Active</p> <p>Outcome Type: Curricular</p> <p>Start Date: 08/18/2015</p>	<p>Direct - North American Technician Excellence Ready to Work HVAC Assessment.*</p>	<p>Action Status: Action Plan in Progress</p> <p>Result Type: Inconclusive</p> <p>Nate exam not being used has been replaced with HVAC Excellence work ready exams (05/15/2019)</p> <hr/> <p>Action Status: Action Plan in Progress</p> <p>Result Type: Directional Improvement</p> <p>Exam needs to be re -evaluated. (05/10/2018)</p> <hr/> <p>Action Status: Action Plan in Progress</p> <p>Result Type: Benchmark Not Met</p> <p>Exam no longer viable, looking at replacement</p>	
	<p>*Capstone Requirement: Career Literacy</p> <p>Benchmark: 90% of students will score at a 70% or higher.</p> <p>Schedule: Fall semester</p>		

Outcomes	Assessment Tools	Results	Actions
	<p>Direct - EPA 608 Refrigerant Handling Exam Benchmark: 90% of students will score 70% or higher on the exam. Schedule: Fall Semester</p>	<p>(05/17/2017) Action Status: Action Complete Result Type: Benchmark Met 100% of students scored at 70% (05/12/2016) Action Status: Action Complete Result Type: Benchmark Met 95% of students scored 70% or higher on exam (05/15/2019) Action Status: Action Complete Result Type: Benchmark Met 90% of students scored 70% or higher on EPA 608 (05/10/2018) Action Status: Action Complete Result Type: Benchmark Met 100% scored at 70% or higher (05/12/2016)</p>	
<p>Construction Math Skills - Students will demonstrate pre-apprenticeship level math skills Outcome Status: Active</p>	<p>Direct - NCCER Core Curriculum Construction Math Exam Benchmark: 80% of students will pass the NCCER Core Curriculum Construction Math Exam with 70% or better Schedule: Fall and Spring Trade Basics (ID1104)</p> <p>Indirect - Employer and/or Employee (former student) Survey Benchmark: 90% of employers will rate former students as satisfactory or better in math skills. 90% of employees (former students) will rate themselves as satisfactory or better in on-the-job math skills. Schedule: Fall and Spring Trade Basics (ID1104)</p>	<p>Action Status: Action Complete Result Type: Benchmark Met 100% of students scored 70% or better on exam (05/15/2019) Action Status: Action Complete Result Type: Benchmark Met 98% of students who took the NCCER Core Construction Math Exam scored a 70% or better (05/10/2018) Action Status: Action Plan in Progress Result Type: Inconclusive no employer feedback (05/15/2019) Action Status: Action Complete Result Type: Benchmark Met Benchmark Met - Working to develop formal survey (05/10/2018)</p>	
<p>Read with Comprehension OSHA 10 - Students will demonstrate the ability to read and comprehend safety instructions. Outcome Status: Active</p>	<p>Direct - OSHA 10 CareerSafe Program Benchmark: 95% of all students will pass all modules in the OSHA 10 CareerSafe program with 70% or</p>	<p>Action Status: Action Complete Result Type: Benchmark Met 100% of students scored 70% or better on career safe OSHA 10modules (05/15/2019) Action Status: No Action Required</p>	

<i>Outcomes</i>	<i>Assessment Tools</i>	<i>Results</i>	<i>Actions</i>
<p>Outcome Type: Curricular</p>	<p>above. Schedule: Fall ID1001</p> <p>Indirect - Employer and/or Employee (former student) Survey Benchmark: 90% of employers will rate former students as satisfactory or better in reading skills. 90% of employees (former students) will rate themselves as satisfactory or better in on-the-job reading skills. Schedule: Fall ID1001</p>	<p>Result Type: Inconclusive No data to report - OSHA 10 Career-safe Program will be implemented Fall '18 (05/10/2018) Action Status: Action Plan in Progress Result Type: Inconclusive no feedback obtained (05/15/2019)</p> <hr/> <p>Action Status: Action Plan in Progress Result Type: Directional Improvement met objectives, Action plan to develop survey (05/10/2018)</p>	
<p>Read with Comprehension EPA 608 - Students will demonstrate the ability to read and comprehend refrigerant handling safety instructions. Outcome Status: Active Outcome Type: Curricular</p>	<p>Direct - EPA 608 refrigerant handling certification exam Benchmark: 80% of students will pass the EPA 608 Exam with 70% or better Schedule: Fall AI1041</p> <hr/> <p>Indirect - Employer and/or Employee (former student) Survey Benchmark: 90% of employers will rate former students as satisfactory or better in industrial plant operations 90% of employees (former students) will rate themselves as satisfactory or better in industrial plant operations Schedule: Fall AI1041</p>	<p>Action Status: Action Complete Result Type: Benchmark Met 95% of students completed the EPA 608 exam with 70% or better score (05/15/2019)</p> <hr/> <p>Action Status: Action Complete Result Type: Benchmark Met 90% of students passed the EPA 608 Exam with 70% or better (05/10/2018)</p> <hr/> <p>Action Status: Action Complete Result Type: Benchmark Met 95% of students rate themselves as having satisfactory skills (05/15/2019)</p> <hr/> <p>Action Status: No Action Required Result Type: Benchmark Met 90% of employers will rate former students as satisfactory or better in industrial plant operations 90% of employees (former students) will rate themselves as satisfactory or better in industrial plant operations (05/10/2018)</p>	