

# Assessment: Assessment Unit Four Column

Spring/Summer 2018



## El Camino: PLOs (IND) - Administration of Justice

PLOs	Assessment Method Description	Results	Actions
<p><b>PLO #5 The Criminal Justice System -</b> Upon completion of a course of study in Administration of Justice, successful students will be able to explain what the criminal justice system is, what role it performs in society and how its components interact with one another in achieving its goals.</p> <p><b>PLO Status:</b> Active <b>PLO Assessment Cycle:</b> 2017-18 (Spring 2018) <b>Input Date:</b> 09/02/2014</p>	<p><b>Exam/Test/Quiz -</b> The PLO is assessed by the curriculum of Administration of Justice 100, Intro to AJ course grades.</p> <p><b>Standard and Rubric:</b> The institutional set standard is a success rate of 65%. The institutional set goal is 74% success rate.</p> <p><b>Related Documents:</b> <a href="#">AJ 100 FA 17 Results.png</a> <a href="#">AJ 100 Intro to AJ COR 2016.pdf</a></p>	<p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018) <b>Standard Met:</b> Standard Met</p> <p>The components of this PLO are covered in the curriculum of the AJ 100 course (COR attached). The Fall 2017 student success rate data for the course was used with a sample size of 281 students (see attached). The Fall 2017 success rate of 74% is well above the institutional standard of 65% and met the college goal of 74%. This continues an upward trend over the past three years. The AJ 100 curriculum underwent a major revision in 2015 which included adoption of multi-modal instructional methods, a textbook with online student resources, professional development in modern instructional methods for faculty, and revision of assessment methods to include a wider variety of assessments tailored to the various learning styles of our students. (12/14/2017)</p> <p><b>Faculty Assessment Leader:</b> Ray Lewis <b>Faculty Contributing to Assessment:</b> Mark C. Fields <b>Courses Associated with PLO Assessment:</b> AJ 100</p>	<p><b>Action:</b> In order to maintain the growth and student success of the Administration of Justice program, at least 1-2 more FT faculty members are needed to oversee and revise program curriculum and needs. (09/12/2019)</p> <p><b>Action Category:</b> Program/College Support</p>

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## El Camino: PLOs (IND) - Automation, Robotics, and Manufacturing (ETEC, MTEC, MTT)

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p><b>PLO #3 Industry Standards</b> - Upon completion of the courses in this discipline, the student will be able to follow and build robotic devices and components in accordance with industry standard schematics and diagrams.</p> <p><b>PLO Status:</b> Active</p> <p><b>PLO Assessment Cycle:</b> 2017-18 (Spring 2018)</p> <p><b>Input Date:</b> 03/24/2014</p>	<p><b>Performance</b> - There are many classes required to assess this PLO. The classes are across three separate disciplines. The student is capable of earning certificates and degree in each separate discipline.</p> <p>In MTT, the student learns to use conventional and CNC equipment to be able to build structural parts for the robot. They are also required to use engineering drawings to make the parts.</p> <p>In MTEC, the student learns to assemble the parts to build the structure and also learn to program and build electrical boards.</p> <p>In ETEC 14, 16, and 18, the student learns electrical circuits, assembling structures, program, and testing of robot-type projects, respectively. In ETEC 18, this is a capstone class that brings all of the disciplines together.</p> <p>Students taking courses across the</p>	<p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018)</p> <p><b>Standard Met:</b> Standard Not Met</p> <p>MTT students do not have to take MTEC or ETEC classes, but in order to achieve the desired level of competency, would need to. Also, MTEC students are not required to take MTT classes or ETEC. Consequently an ETEC student is not required to take MTT courses or MTEC classes.</p> <p>The PLO was written with a student taking courses in all three discipline to be able to build a robot from schematic and diagrams. As of right now, students are generally focusing on one of the three disciplines and are not getting the combined skills necessary. (09/14/2018)</p> <p><b>Faculty Assessment Leader:</b> Ed Hofmann</p>	<p><b>Action:</b> The students will be encouraged to continue to take courses across all three disciplines, but what is really needed is expansion and development of the robotics program and courses. ETEC 18 needs to be offered on a regular basis, and faculty with expertise in that are need to be hired. (09/14/2019)</p> <p><b>Action Category:</b> Program/College Support</p>

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
	<p>three disciplines should demonstrate a working knowledge of robotic devices and components.</p> <p><b>Standard and Rubric:</b> It is expected that the MTT students learns to use conventional and CNC equipment to be able to build structural parts for the robot.</p> <p>It is expected that the students MTEC, the student learns to assemble the parts to build the structure and also learn to program and build electrical boards.</p> <p>It is expected that the students ETEC 14, 16, and 18, the student learns electrical circuits, assembling structures, program, and testing of robot-type projects, respectively.</p> <p><b>Additional Comments:</b> ETEC 18 is a capstone course that would apply to this statement but has never been offered.</p>		

# Assessment: Assessment Unit Four Column

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## El Camino: PLOs (IND) - Cosmetology

PLOs	Assessment Method Description	Results	Actions
<p><b>PLO #1 Licensure Exam</b> - Upon completion of the El Camino College Cosmetology program, students will pass the written portion of the California State Board of Cosmetology Licensure Examination with a score of 70% or higher.</p> <p><b>PLO Status:</b> Active</p> <p><b>PLO Assessment Cycle:</b> 2013-14 (Fall 2013), 2013-14 (Spring 2014), 2017-18 (Spring 2018), 2018-19 (Spring 2019)</p> <p><b>Input Date:</b> 09/09/2018</p>	<p><b>Standardized/Licensing Exam</b> - Computerized test with 100 multiple choice questions, based on the curriculum of which complied with requirements adopted by the board.</p> <p><b>Standard and Rubric:</b> The Board of Barbering of Cosmetology (BBC), generates a quarterly report (Examination Statistic), on the number of students who have passed or failed the (theory) written exam. It is expected that 80% of the students will score 70% or above on this PLO.</p> <p><b>Additional Comments:</b> MW</p>	<p><b>Semester of Current Assessment:</b> 2013-14 (Fall 2013)</p> <p><b>Standard Met:</b> Standard Not Met</p> <p>The 2011-2012 Examination Statistics indicated that students are passing the practical exam at 97%. However, the written part of the exam is at 48.9%. The department standard for the written part of the exam was for the percentage to be at least 70% or higher. (12/16/2013)</p> <p><b>Faculty Assessment Leader:</b> Merriel Winfree</p> <p><b>Faculty Contributing to Assessment:</b> Vivian Nemie and Patricia Gebert</p> <p><b>Courses Associated with PLO Assessment:</b> Cosmetology 10 - Introduction</p>	<p><b>Action:</b> The department has linked up with the library, with the help of Moon Inchinaga, in implementing the Testing and Ed. Reference Center database for Cosmetology. It will give students a chance to practice the State Board Exam question banks. (02/22/2015)</p> <p><b>Action Category:</b> Program/College Support</p> <p><b>Action:</b> The department has linked up with the library, with the help of Moon Inchinaga, in implementing the Testing and Ed. Reference Center database for Cosmetology. It will give students a chance to practice the State Board Exam question banks, with the intention of improving the written exam passing rate from currently 48.9% to 70% and above. (02/21/2015)</p> <p><b>Action Category:</b> Program/College Support</p> <p><b>Action:</b> Miss. Winfree and Miss. Murray will implement the library Testing and Ed. Reference Center</p>

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
			<p>database for cosmetology starting spring 2014 to fall 2014. We will combine the testing information at the end of the semester and determine whether the students are comprehending the materials, and improving their testing scores. (12/30/2014)</p> <p><b>Action Category:</b> SLO Assessment Process</p> <p><b>Follow-Up:</b> The students enjoyed practicing the state board exams on the TERC database in the library, however, the rubric we used for determining whether students were improving their test scores from classroom testing or state board exam proved to be inaccurate . (09/05/2014)</p> <p><b>Action:</b> Part-time and full-time faculty members will work together in creating new teaching strategies to improve testing results. (02/28/2014)</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> Faculty members met at Ms. Winfree's house and discussed several projects that will be implemented during the summer and fall 2014 semester. (12/16/2013)</p> <p><b>Action:</b> Take a look at the best teaching materials that will serve our students in helping them pass the written exam, as well as, changing classroom teaching materials. (09/05/2014)</p> <p><b>Action Category:</b> Teaching</p>
	<p><b>Standardized/Licensing Exam -</b> Computerized Licensing Exam - 100 Multiple Choice questions.</p> <p><b>Standard and Rubric:</b> The cosmetology department receives every quarter the Board of Barbering &amp; Cosmetology Examination</p>	<p><b>Semester of Current Assessment:</b> 2013-14 (Spring 2014)</p> <p><b>Standard Met:</b> Standard Not Met</p> <p>Students are failing the written and passing the practical part of the exam.</p> <p>As of 7/01/13 to 9/01/2013 - Written Part = 4/14 ( 4 passed = 29%, 10 failed = 71%). The average score for the written was 64.86, which is below the passing score of 70%. We are</p>	

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
	<p>Statistics - indicating the total passing/failure of the written and practical exams.</p> <p><b>Standardized/Licensing Exam</b> - The Board of Barbering and Cosmetology Examination Report is the assessment instrument that is used for determining how many students are passing or failing their state board exams.</p> <p><b>Standard and Rubric:</b> It is expected that students score 75% or above on the written and practical exams.</p>	<p>not completely satisfied with the results, however, there's a slight improvement indicating students are improving on the written exam. (09/05/2014)</p> <p><b>Faculty Assessment Leader:</b> Merriel Winfree</p> <p><b>Faculty Contributing to Assessment:</b> ,Merriel Winfree, Vivian Nemie and Patricia Gebert</p> <p><b>Courses Associated with PLO Assessment:</b> 7400,7402,7403,7404,7406,7408,7410, &amp; 7412</p> <p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018)</p> <p><b>Standard Met:</b> Standard Not Met</p> <p>Exam Date: April 1, 2018 through June 30, 2018.</p> <p>Practical Exam: 13 students took the exam and 9 students passed - 69%</p> <p>4 failed - 31%</p> <p>Written Exam: 15 students took the exam and 8 passed - 53%</p> <p>7 failed - 47%</p> <p>According to the stats 75% of students passed the practical exam and a little more than 50% failed the written exam. The written part of the exam is still challenging for our students to pass. (09/09/2018)</p> <p><b>Faculty Assessment Leader:</b> Merriel Winfree</p>	<p>Strategies</p> <p><b>Follow-Up:</b> The next follow-up will be before the cosmetology Program Review slated for 2016 . (09/05/2014)</p> <p><b>Action:</b> Implement new studying materials with social media technology. (09/08/2018)</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> Spring 2021 (09/08/2018)</p>
	<p><b>Standardized/Licensing Exam</b> - Multiple assessments were used across courses with SLOs aligning to the PLO. The assessment includes the State Board of Cosmetology and Barbering quarterly reports. It provides examination results for the students who have completed training at El Camino College. The quarterly report includes the total scores received for the practical and/or written examination, and the passing and failing percentages for each quarter. Also, tests, semester projects, oral presentation, and objectives and subjective examinations.</p>	<p><b>Semester of Current Assessment:</b> 2018-19 (Spring 2019)</p> <p><b>Standard Met:</b> Standard Met</p> <p>1st Quarter ( 1-1-18 to 3-31-18) - Theory Exam - 11 students passed/ 2 students failed ( 85%/15%)</p> <p>Practical Exam - 9 students passed/ 3 students failed (75%/25%)</p> <p>2nd Quarter (4-1-18 to 6-30-18) - Theory Exam - 8 students passed/ 7 students failed (53%/47%)</p> <p>Practical Exam - 9 students passed/ 4 students failed ( 69%/31%)</p> <p>3rd Quarter (7-1-18 to 9-30-18) - Theory Exam - 5 students passed/ 1 student failed (83%/17%)</p> <p>Practical Exam - 6 students passed/ 2 students failed (75%/25%)</p> <p>4th Quarter (10-1-18 to 12-31-18) Theory Exam - 14 students passed/ 5 students failed (74\$/26%)</p> <p>Practical Exam - 15</p>	<p><b>Action:</b> The department is currently collaborating to developed an on-line course in assist struggling students to improve their reading comprehension. (08/24/2019)</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> 08/24/2023 (08/24/2019)</p>

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	<p><b>Standard and Rubric:</b> 70% on the written and practical exams students will have achieved the course-level SLOs that are aligned to PLO.</p>	<p>students passed/ 4 students failed (79%/21%)</p> <p>73% of students are passing the written and practical exams, whereas, 27% of students are failing both the written and practical exams; attempting SLOs aligned to PLO #1 achieved the SLO. SLOs achievement rates were taken from courses assessed spring 2018; Cosm. 1, Cosm. 10, Cosm. 11, 2abcd. The PLO assess student's abilities based on the results provided by the State Board of Barbering &amp; Cosmetology, and teaching strategies employed by instructors, where students demonstrated and understood the theoretical and practicality of the lessons taught in class.</p> <p>Success here shows that students have demonstrated their capability in meeting the State Board of Cosmetology and Barbering criteria.</p> <p>The assessment showed that students met the PLO at the passing rate for the theory and practical exams. The passing rate demonstrates students are learning the materials and skills necessary to successfully complete the program and enter the workforce with a cosmetology license. Also, the TERC database at the library that students uses for practice tests are contributing to students passing the theory exam as well. In order to gain greater clarity on students who are not passing the theory exam across all sections, the department should start the process of developing an on-line course on reading comprehension.</p> <p>The cosmetology department will work on revamping SLOs statement to gain greater clarity on student achievement for each sections, and developed more standardized assessments for each course.</p> <p>(08/09/2019)</p> <p><b>Faculty Assessment Leader:</b> Merriel Winfree  <b>Faculty Contributing to Assessment:</b> Linda Nishihira, Charlene Brewer Smith, Bruce Tran, Sheila Murray</p>	

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<p><b>PLO #2 Cosmetology Practicum -</b> Upon completion of the El Camino College Cosmetology program, students will independently perform a permanent wave procedure on a mannequin, following manufacturer's directions for applying the waving solution and neutralizer to hair.</p> <p><b>PLO Status:</b> Active</p> <p><b>PLO Assessment Cycle:</b> 2014-15 (Spring 2015), 2017-18 (Spring 2018)</p> <p><b>Input Date:</b> 11/20/2013</p>	<p><b>Performance -</b> Performance - Assessment Instrument: A rubric will be administered in assessing learning. Assigned point(s) are to each step according to degree of completion.</p> <p><b>Standard and Rubric:</b> 1= Average 2 = above average 3 excellent 0 failure (1 2 3) 1. Client safety and protection (123) 2. correct application (1 2 3) 3. Perform a perm wrap 4. Completion of the correct results. According to state board of Cosmetology they must pass with 75% or better.</p> <p><b>Additional Comments:</b> 75% or better will insure better results for the students preparation for the State Board of Cosmetology Exam.</p>		
	<p><b>Performance -</b> Students will be given a practical exam in demonstrating the proper steps on performing a permanent wave procedure on a mannequin by following the manufacturer's directions.</p> <p><b>Standard and Rubric:</b> Seventy five percent of the class should be able to demonstrate the proper steps to perform a permanent wave by following the manufacturer's directions. (Please see Rubric attachment).</p>	<p><b>Semester of Current Assessment:</b> 2014-15 (Spring 2015)</p> <p><b>Standard Met:</b> Standard Met</p> <p>A total of 20 students took part in the practical exam on performing a permanent wave on a mannequin. 3 students scored excellent in the 90%, 8 students scored above average in the 80%, 6 students scored averages in the 70%, 3 students scored below averages and no student failed the exam. (06/25/2015)</p> <p><b>Faculty Assessment Leader:</b> Ms. Gebert</p> <p><b>Faculty Contributing to Assessment:</b> Mr. Bruce</p>	<p><b>Action:</b> Next time I would have students pair up and take a mock permanent wave test before the actual individual practical test. (06/25/2017)</p> <p><b>Action Category:</b> Teaching Strategies</p>
	<p><b>Performance -</b> A permanent wave, commonly called a perm or "permanent", involves the use of heat and/or chemicals to break and reform the cross-linking bonds of the hair structure. The hair is washed and wrapped on a form and waving</p>	<p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018)</p> <p><b>Standard Met:</b> Standard Not Met</p> <p>The Board of Barbering and Cosmetology post the results of the pass/fail rate for the all schools on a bi-monthly report. A total of 13 students took part in the practical examination between April to June 2018. This practical exam consist of twelve procedures. Chemical Wave being one of them.</p>	<p><b>Action:</b> The action plan is to submit a request to change this statement of PLO. It implies that a student graduating from the Cosmetology program will only learn to perform a permanent wave. The plan to increase the</p>



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	<p>lotion applied. The State Board of Barbering and Cosmetology requires that all students that have completed the cosmetology program take the Chemical Wave procedure as part of their practical exam. A State Board rubric will be administered in assessing student learning. Assigned point(s) are to each step according to degree of completion.</p> <p><b>Standard and Rubric:</b> It is expected that 80 percent of our graduates will score 70 percent on the Chemical Wave segment of the practical exam.</p>	<p>Unfortunately, the students do not get the breakdown of their results. The data shown on the Board of Barbering and Cosmetology website show the results of the overall pass and fail rate. According to the website (69 percent) 9 students passed the overall exam and (31 percent) 4 students failed the exam. (08/23/2018)</p> <p><b>Faculty Assessment Leader:</b> Bruce Tran</p>	<p>pass rate percentages on this State Board examination is to designate the students with 200 or less to a time pressured exited exam. (08/23/2019)</p> <p><b>Action Category:</b> Program/College Support</p>

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## El Camino: PLOs (IND) - Electronics and Computer Hardware Technology

PLOs	Assessment Method Description	Results	Actions
<p><b>PLO #2 Using industry Level Skills -</b> Upon successful completion of this program, students will be able to, accurately identify and analyze various types of Electronic/Electrical Circuits using both calculations, simulation, and test and measurements.</p> <p><b>PLO Status:</b> Active</p> <p><b>PLO Assessment Cycle:</b> 2014-15 (Spring 2015), 2017-18 (Spring 2018)</p> <p><b>Input Date:</b> 10/04/2013</p>	<p><b>Project -</b> PLO #2 for the Electronics and Computer Hardware Technology Program focuses on our students ability to integrate the knowledge they have gained in previous ECHT courses to accurately identify and analyze various types of Electronic/Electrical Circuits using calculations, simulation, and test and measurements. By using the AM/FM Superhetrodyne Radio kit as an evaluation vehicle, we are able to assess our students abilities to identify the operation of various subsystems in the through calculations and analysis.</p> <p><b>Standard and Rubric:</b> 75% of students will achieve Mastery Level 3.</p> <p>(100-75 % Assignment/Assessment possible) Mastery Level 3</p> <p>Successfully fulfills PLO #2 Using industry Level Skills Upon successful completion of this program, students will be able to, accurately identify and analyze various types of Electronic/Electrical Circuits using</p>	<p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018)</p> <p><b>Standard Met:</b> Standard Met N=60</p> <p>3 Full Mastery, 100-90% Student achieved "Full Mastery" on data collected and accurately reported on their lab form 47/60 78.3%</p> <p>2 Partial Mastery, 89-70% Student achieved "Partial Mastery" on data collected and accurately reported on their lab form 12/60 20%</p> <p>1 Non Mastery, 69-0% Student Failed Mastery to achieved on data collected and accurately reported on their lab form 1/60 1.6% (02/15/2018)</p> <p><b>Faculty Assessment Leader:</b> Steve Cocca</p> <p><b>Courses Associated with PLO Assessment:</b> ECHT 11 Introduction to Electronics, ECHT 110 Introduction to Direct and Alternating Current Circuits, ECHT 124 Operational Amplifiers,</p> <p><b>Related Documents:</b> <a href="#">ECHT PLO#2.doc</a></p>	<p><b>Action:</b> Integrate more circuit simulation assignments in courses leading to program completion. (09/01/2016)</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> Through coordinated efforts, department faculty augment mathematical modeling with electronic simulation in circuit analysis (05/15/2022)</p>

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
	<p>both calculations, simulation, and test and measurements</p> <p>74-65 % Assignment/Assessment possible) Partial Mastery 2 Somewhat fulfills PLO #2 Using industry Level Skills Upon successful completion of this program, students will be able to, accurately identify and analyze various types of Electronic/Electrical Circuits using both calculations, simulation, and test and measurements</p> <p>(64- 0 % Assignment/Assessment possible) Non Mastery 1</p> <p>Does not meet the partial standards sets in, PLO #2 Using industry Level Skills Upon successful completion of this program, students will be able to, accurately identify and analyze various types of Electronic/Electrical Circuits using both calculations, simulation, and test and measurements</p> <p><b>Related Documents:</b>  <a href="#">ECHO PLO#2.doc</a></p>		

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## El Camino: PLOs (IND) - Environmental Technology

PLOs	Assessment Method Description	Results	Actions
<p><b>PLO #1 Understanding Environmental Challenges</b> - The successful student will gain an appreciable understanding of the factors that have led to the environmental challenges we face today. The student will gain the necessary skills to discern, analyze data from various sources, and be able to formulate knowledgeable opinions that can lead to multiple solutions with varying criteria sets.</p> <p><b>PLO Status:</b> Active</p> <p><b>PLO Assessment Cycle:</b> 2013-14 (Spring 2014), 2017-18 (Spring 2018)</p> <p><b>Input Date:</b> 11/29/2013</p>	<p><b>Directly related to SLO</b></p>	<p><b>Semester of Current Assessment:</b> 2013-14 (Spring 2014)</p> <p><b>Standard Met:</b> Standard Met</p> <p>Thirty-one of thirty-seven (84%) students have successfully completed the course- ET 101. The quality of the papers, and the feedback, comments and opinions of the course, made by students has demonstrated that there has been an increased understanding, awareness and an appreciation of all things environmental.</p> <p>One of the most note worthy comments made was by a mechanical engineering student. The comment concerned itself with a social justice topic of whether those who are homeless should have the right to economic self-determination, by recycling in East Berkeley, California. The specific issue at hand was whether or not a homeless recycler should be able to dig through trash left in containers in the middle of the night, on a public right of way to extract recyclable materials for monetary compensation at a recycling facility. The idea being that recycling supports an underground economy where homeless individuals are supporting themselves, as opposed to living off of some form of governmental assistance.</p> <p>The question became: "Is recycling a crime if one digs through someone's trash left on the street, for trash pickup?" [The second question then is, "Can there be a mechanism created that allows an acceptable process for recycling extraction if those who put their trash on the</p>	<p><b>Action:</b> The challenging nature of teaching Environmental Technology is the rate of change in the relevant course material. Every semester the classes are taught, everything is new again. The codes change, the laws change, and the overall awareness of the general public increases. The strategy implemented of course is that those who teach this course must have a continuous working knowledge in this career technical education field of study. (09/13/2018)</p> <p><b>Action Category:</b> Teaching Strategies</p> <p><b>Follow-Up:</b> The course is being taught by an instructor with career technical expertise and that knowledge is being applied to the classroom. What we realize as a department is that those who teach in this field at this level of education requires some level of professional practice to remain relevant- in the classroom and studio. (09/13/2018)</p>

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
	<b>Directly related to SLO</b>	<p>street are not recycling?]</p> <p>The take away comment by the young twenty something student was at first that he did not want to be disturbed by a recycler digging in the trash, but after watching a short video that explained the issues, in situ, he came to realize that there are many ways one must live to support themselves, and through a sustainable concept as simple as recycling, he changed his position and saw the intrinsic value of how an individual can become self supporting, in whatever way possible. (06/04/2014)</p> <p><b>Faculty Assessment Leader:</b> Greg George</p> <p><b>Courses Associated with PLO Assessment:</b> ET 101</p>	
	<p><b>Case Study</b> - Through the review of case studies, representing both successes and failures, the successful student will synthesize this data into a report and presentation that draws a series of conclusions that is then incorporated into a project.</p> <p><b>Standard and Rubric:</b> 15% of students will score above 90%, 80% of students will score between 70% and 90%</p>	<p><b>Semester of Current Assessment:</b> 2017-18 (Spring 2018)</p> <p><b>Standard Met:</b> Standard Met</p> <p>The challenging nature of teaching Environmental Technology is the rate of change in the relevant course material. Every semester the classes are taught, everything is new again. The codes change, the laws change, and the overall awareness of the general public increases. The strategy implemented of course is that those who teach this course must have a continuous working knowledge in this career technical education field of study. (09/13/2018)</p> <p><b>Faculty Assessment Leader:</b> Greg George</p> <p><b>Faculty Contributing to Assessment:</b> Dan Richardson</p> <p><b>Courses Associated with PLO Assessment:</b> ET 101, ET 102</p>	<p><b>Action:</b> The department recognizes the need to hire faculty who are engaged in professional practice. (09/13/2019)</p> <p><b>Action Category:</b> Teaching Strategies</p>

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## El Camino: PLOs (IND) - Fire and Emergency Technology

<i>PLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<b>PLO #3 Knowledge of Laws and Regulations</b> - Upon completion of the Fire and Emergency Technology program, the student will show knowledge of federal and state laws, regulations and codes pertaining to safety and efficiency in all risk emergencies and scenarios pertaining to fire, safety, and or medical services. <b>PLO Status:</b> Active <b>PLO Assessment Cycle:</b> 2017-18 (Spring 2018), 2021-22 (Spring 2022) <b>Input Date:</b> 10/04/2013	<b>Exam/Test/Quiz</b> - Objective multiple choice questions. <b>Standard and Rubric:</b> It is expected that 75% of students will score 75% or above on this PLO.	<b>Semester of Current Assessment:</b> 2017-18 (Spring 2018) <b>Standard Met:</b> Standard Met There were a total of 673 students assessed from Summer 2017 - Spring 2018. Of the 673 students, 536 scored above a 75% on PLO#3. In total 536 of 673 is 79% of the students who scored above the 75% goal. (09/12/2018) <b>Faculty Assessment Leader:</b> Ryan Carey <b>Courses Associated with PLO Assessment:</b> FTEC 15, FTEC 20, FTEC 137, FTEC 144	<b>Action:</b> There is a need to replace large amounts of aging/ outdated equipment and facility upgrades to support modern classroom needs including high speed internet at the Fire Academy. (09/12/2019) (09/12/2019) <b>Action Category:</b> Program/College Support