

# Assessment: Course Four Column



## Courses (CTE) - Electrical Systems Technology

### ELM 142: Raceways

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p><b>Conduits and their applications -</b> Identify various types of conduits and their applications. <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2021-2022 <b>Start Date:</b> 09/13/2017</p>	<p><b>Exam -</b> Exam consisting of component identification and installation methods. <b>Criterion:</b> : Completion with 80% accuracy.</p>	<p><b>Reporting Period:</b> 2016-2017 <b>Criterion Met:</b> Yes Student average was above 85%.  (09/14/2017)</p>	
<p><b>Use and practice math formulas used in conduit bending.</b> - Use and practice math formulas used in conduit bending. <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2021-2022 <b>Start Date:</b> 09/13/2017</p>	<p><b>Internal Tracking -</b> Test over conduit layouts – Offset and 3 &amp; 4 saddle bends <b>Criterion:</b> Completion with 75% accuracy.</p>	<p><b>Reporting Period:</b> 2016-2017 <b>Criterion Met:</b> Yes Student average was above 82% for design (09/14/2017)</p>	<p><b>Action:</b> Spend more class time reviewing conduit layout. (09/14/2017)</p>
<p><b>Methods for cutting conduit -</b> Describe various methods for cutting conduit <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2021-2022 <b>Start Date:</b> 09/13/2017</p>	<p><b>Assignment - Lab -</b> Student will physically cut conduit with various saws. <b>Criterion:</b> Pass or Fail accuracy</p>	<p><b>Reporting Period:</b> 2016-2017 <b>Criterion Met:</b> Yes 100% of students completed correctly (09/14/2017)</p>	
<p><b>Calculate, layout, and bend four bend saddles using hand bender -</b> Calculate, layout, and bend four bend saddles using hand bender. <b>Course Outcome Status:</b> Active <b>Next Assessment:</b> 2021-2022 <b>Start Date:</b> 09/13/2017</p>	<p><b>Assignment - Lab -</b> Lab completion of a 4 saddle bend. Includes design and manipulation <b>Criterion:</b> 90% + design, 80% manipulation accuracy</p>	<p><b>Reporting Period:</b> 2016-2017 <b>Criterion Met:</b> Yes and No 92% of the students were able to design 4 saddle bend correctly. 78% accuracy for student manipulation (09/14/2017)</p>	<p><b>Action:</b> Have students practice 4 saddle bends before final project. (09/14/2017)</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p><b>Electric bender</b> - Identify and describe the use of an electric bender.</p> <p><b>Course Outcome Status:</b> Active</p> <p><b>Next Assessment:</b> 2021-2022</p> <p><b>Start Date:</b> 09/13/2017</p>	<p><b>Assignment - Lab</b> - Electric Bender competency completion.</p> <p>Students manipulated various bends using the Greenlee 555 Electric Bender</p> <p><b>Criterion:</b> 90% + accuracy</p>	<p><b>Reporting Period:</b> 2016-2017</p> <p><b>Criterion Met:</b> Yes</p> <p>92% of students were able to use the bender correctly. (09/14/2017)</p>	