



**OKLAHOMA**  
**CareerTech**

## Badge Details

<b>Name</b>	NMEA Basic2000 Installer - 2454
<b>Description</b>	<p>The Basic NMEA 2000® Installer Training is primarily targeted for the beginner or those who have been installing NMEA 2000® but would like more information, clarity, and an opportunity to share ideas with others who have installed NMEA 2000® networks. Topics include: cables, connectors, specifications, physical planning and documentation, power sources and distribution, voltage drop calculations, data messages (parameter group numbers), connecting to other data sources, network setup, and troubleshooting. You will take from this class the near-term and long-term benefits of NMEA 2000® certified equipment, accepted installation practices for NMEA 2000® backbone cable and products; including selection of cable, power application point, and alternatives that make it work best. You will also have sufficient working knowledge of NMEA 2000® so you may successfully troubleshoot problems when they arise and correctly identify/repair/replace the faulty device(s) or network cabling problems. This course is not intended to teach programming nor to be training for manufacturing developers.</p>

<b>Criteria</b>	<p>The passing score of any NMEA installer certification exam is 80% or higher.</p> <p>Basic NMEA 2000 Installation Standard Training Certifications expire three (3) years from the date the certificate is issued.</p> <p>Topics include:</p> <ul style="list-style-type: none"><li>• Cables</li><li>• Connectors</li><li>• Specifications</li><li>• physical planning and documentation</li><li>• power sources and distribution</li><li>• voltage drop calculations</li><li>• data messages (parameter group numbers)</li><li>• connecting to other data sources</li><li>• network setup</li><li>• troubleshooting.</li></ul>
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