



OKLAHOMA
CareerTech

Badge Details

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| Name | 3958-Mechatronics - Mechanical Components 2 |
| Description | <p>This certification exam builds upon the topics covered on the Mechanical Components 1 test by evaluating the candidate's mastery of the principles and application of more complex mechanical components such as clutches, brakes, gear boxes, transmissions, ball screws, and linear components. It also explores sealing, lubricants and automated lubrication, precision alignment and timing, vibration analysis, and the use of video to troubleshoot mechanical systems.</p> <p>This certification is aimed at intermediate level technicians and technologists who may be involved in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of mechanically complex manufacturing machinery.</p> |
| Criteria | <p><i>Candidates receiving this certification will take an exam with the following criteria:</i></p> <p>The exam is composed of 125 questions.</p> <ul style="list-style-type: none">• Bearings• Gaskets and Seals• Advanced Gear Drives• Brakes and Clutches• Linear Systems• Conveyor Systems• Predictive Maintenance |

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| | <ul style="list-style-type: none">• Precision Laser Shaft• Central Lube System |
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