WORKFORCE INNOVATIONS FOR A NEW NEVADA
WORKFORCE DEVELOPMENT PROGRAM SUMMARY

Agency	Western Nevada College
Program Name *(Complete a summary for each program)*	Advanced Manufacturing Technician
Contact *Include Name, Phone and Email*	Emily Howarth emily.howarth@wnc.edu 775-445-3300
Program Description *Briefly describe training program components. Highlight length of program and access or mobility features that would be of interest to an employer.*	This is a customized program designed to provide advanced education in programmable logic controllers (PLC) and Robotics. The program included two separate courses over a 16-week semester. AIT-125: Industrial Robotics in the Manufacturing Industry This course covers the fundamentals of industrial robotics found in modern manufacturing, logistics and distribution environments. Students provided exposure to the design of programs for point-to-point and task activities, includes analysis of industrial robotic integration to standardize production line systems, and integrates basic troubleshooting techniques into robot theory and operation. This course was customized to meet student needs, and the instructor met with the students on an individual basis customized in response to their work schedule. AIT-121: Electrical Control Systems Covers the function and operation of logic control circuits used in industrial, commercial and residential applications. Relays, limit switches and time-delays are introduced for a variety of uses. Automation with electrical control is common in many settings, using components wired together in specific configurations that form the logic needed to determine the sequence of machine operations.
Outcomes *Please identify specific industry-recongnized credentials and/or degrees that result from program completion.*	Kuka Robotics: Basic Programming and Operation Certification can be earned by students who complete the coursework and a separate skills and knowledge exam.
Accepting New Partners & Students	This program is funded to serve a closed cohort, but the training program is open to new employer partners as needed. Contact WNC or GOED to get more information.