

Vision

To develop a dynamic center for Industrial Technology that will provide accelerated competency-based curriculum, hands-on lab experiences, and skill practice with systems, controls and essential manufacturing processes. Expanded training facilities and courses will prepare technicians for industry certification and regional employment.

The WNC Applied Industrial Technology program will:

- Train skilled Industrial Technicians to work in Nevada.
- Foster critical understanding of both traditional and advanced manufacturing technology and practices.
- Generate a pool of qualified workers to revitalize, sustain, and improve Nevada manufacturing.

Industrial Workforce Challenges

Nevada is struggling to meet the projected demand for skilled Industrial Technicians in manufacturing, distribution and logistics activities with a projected increase of 30 percent in the manufacturing sector over the next five years¹. High-tech industries are expanding in and relocating to Nevada, and we need to ensure a local, nationally-certified pool of candidates to support this growth while also providing upgrade training opportunities for incumbent workers.

- Technical skills gap in the workforce due to misconceptions about manufacturing.
- Outdated image of manufacturing leads to a lack of interest among potential students and inadequate pool of qualified employment candidates.
- Unclear paths for career development and upward mobility for existing employees.

¹ Governor's Office for Economic Development <http://www.diversifynevada.com/>

Business Plan

The WNC Applied Industrial Technology program will have 24 new students starting in fall of 2015. Public state money will represent only 20 percent of the funding source for the renovation of the program. Strategic partnerships, private sector investment, economic development grants, and college funding resources will combine to fund the Industrial Technology facility expansion.

Five-year goals include:

- Increase number of technicians each year to 24 who will remain in Nevada.
- Raise \$500,000 in philanthropic and grant support.
- Create five apprenticeship opportunities each year with a local industry.

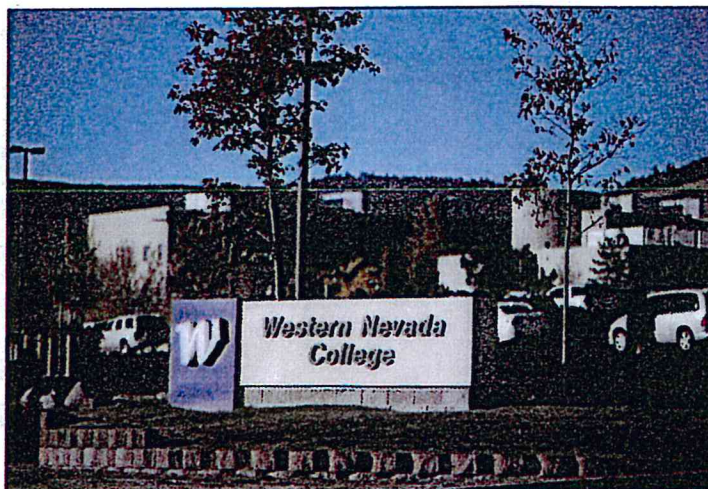
Existing and future assets include:

The WNC Applied Industrial Technology program will leverage significant existing assets within academic, public and private sectors.

- WNC's job skills certificates preparing for industry certification in Welding, Machine Tool Technology, Electronics, and Manufacturing.
- College certificates of achievement in industrial technology specializations.
- Associate of Applied Science degree in Technology specializations.

To maximize its value to the community and provide an outstanding foundation for educating technicians, the WNC Applied Industrial Technology program intends to partner with:

- National Manufacturing Skills Institute.
- Western Nevada Applied Industrial Technology Advisory Board.
- Department of Employee Training and Rehabilitations (DETR).
- WNC Veterans Resource Center.
- Carson City Library.



Economic Impact

The expansion of the industrial technology facilities at WNC will ensure a steady stream of quality local candidates for new positions in manufacturing, distribution and logistics, and in response to attrition in the workforce. WNC will continue to strengthen partnerships with local agencies and programs that are focused on providing companies with a skilled and knowledgeable workforce.

Estimated long term impacts by 2020 include:

- Thousands of new jobs are being created by the expansion of manufacturing facilities in Nevada.
- Economic impact of manufacturing growth in Nevada projected to be billions of dollars.
- Nevada manufacturing currently employs more than 55,000 workers with estimated employment growth projection of more than 19 percent over 10 years².

Why A 2015 Start Date?

WNC has built a stable and sustainable program of classwork and labs, and is ready for the next stage of expansion. We know that not all students are successful or interested in 2 or 4-year college pathways. Offering accelerated and flexibly-scheduled programs complements Nevada's 2 and 4-year degrees while providing options for skill upgrade, re-entry to the workforce and career starting points. We have outgrown our current spaces and have interested students signing up now!

- Supporting long term success and stability though additional short term programs allows participation by students with work and family commitments.
- Aligning with nationally recognized industry credentials.
- Extending professional exam preparation opportunities.
- Expanding practice facilities to build both competence and confidence.
- Improving access to subject matter experts and peer mentors through collaboration with local industry.
- Stackable credentials so that short-term certificates build towards higher degrees.

² State of Nevada, Department of Employment, Training & Rehabilitation <http://www.nevadaworkforce.com/>



Make it... in Nevada

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