



808 W Nye Lane, Carson City, NV 89703
1 State of Nevada Way, 4th Floor, Las Vegas, NV 89119
775.687.9900
GOED.NV.GOV

January 15, 2025

The Honorable Joseph Lombardo
Office of the Governor
One Hundred One North Carson Street
Carson City, Nevada 89701

Mr. Nicolas Anthony, Director
Legislative Counsel Bureau
401 South Carson Street
Carson City, Nevada 89701

RE: 2025 Biennial Report – Workforce Innovations for a New Nevada (WINN)

Governor Lombardo and Director Anthony:

Pursuant to NRS 231.1513, an annual report is required to be submitted by the Governor’s Office of Economic Development (GOED), Office of Workforce Development regarding the activity of the Workforce Innovations for a New Nevada (WINN) program. The report is attached and covers the period July 1, 2023 – June 30, 2025 (FY24 – FY25).

Though there are several effective workforce development agencies across the state complex, the focus of the Office of Workforce Development at GOED has primarily been to support business development efforts to attract new business and industry to the State that will provide opportunities for high wage jobs for all Nevadans. The greatest tool we have at GOED toward this purpose is the WINN fund. The WINN program has brought great benefit for Nevadans seeking high wage jobs in in-demand occupations of target sectors in our State Plan. As defined by NRS statute (NRS 231.141 – 231.152), there are various features of the WINN program that aim to promote economic growth and diversification in these key target industries. Typically, WINN programs are delivered at Nevada System of Higher Education (NSHE) community colleges (authorized providers) to provide workforce training skills that are valued by the companies we seek to attract to the State for this purpose (economic diversification). WINN prioritizes programs that are delivered in 12 months or less with the goal of quickly turning around a trained workforce that meets the needs of industry. You will find 17 active WINN programs have been awarded funds that are successfully meeting these goals.

Sincerely,

Thomas J. Burns, GOED, Executive Director



cc:

Ryan Cherry, Governor's Chief of Staff

Madeline Armstrong, Governor's Legislative Director

Amy Stephenson, Director, Governor's Finance Office

Wayne Thorley, Senate Fiscal Analyst

Sarah Coffman, Assembly Fiscal Analyst

Morgan Barlow, Program Analyst, Fiscal Analysis Division

Roxanna Gifford, Executive Branch Budget Officer, Governor's Finance Office

FY24 - FY25 WINN Cumulative Budget Summary

| Institution | WINN Program | WINN Award |
|--|--|------------------------|
| Truckee Meadows Community College (TMCC) | Advanced Manufacturing Mobilization | \$825,988.00 |
| | Data Science Expansion & Promotion | \$199,076.00 |
| | Diesel Technician & Mining Support | \$150,000.00 |
| | Logistics Expansion & Promotion | \$84,000.00 |
| | Welding Lab Expansion Support | \$279,076.00 |
| | Accelerated Early College Auto/Diesel Program (ACE) | \$825,000.00 |
| | Accelerated Early College Machining Program (ACE) | \$300,000.00 |
| | Lithium Loop Manufacturing Apprenticeship Program | \$1,029,884.00 |
| | | \$3,693,024.00 |
| College of Southern Nevada (CSN) | Advanced and General Manufacturing | \$1,048,394.00 |
| | Computing Information Technologies (CIT) Program Expansion | \$1,861,952.00 |
| | Logistics & Operations Training Initiative | \$376,004.00 |
| | Nursing Expansion Project | \$485,000.00 |
| | | \$3,771,350.00 |
| Great Basin College (GBC) | Instrumentation Technology -Winnemucca* | \$540,958.00 |
| | Welding Technology Line Boring Equipment – Elko | \$159,789.10 |
| | NORCAT Mine Skills Training (MST) | \$832,230.00 |
| | Geologic Technician Program | \$99,205.00 |
| | | \$1,632,182.10 |
| Western Nevada College (WNC) | Expanding Training Pathways: Advanced Manufacturing & Battery Recycling | \$803,702.13 |
| | | \$803,702.13 |
| | WINN FY24 - FY25 | \$9,900,258.23 |
| | Remaining WINN Fund Balance to award by June 30, 2025 | \$99,741.77 |
| | WINN Fund Budget for FY24 - FY25 | \$10,000,000.00 |

*This project began in FY23 with an initial award of \$99,741.77 and then expanded in this biennium term.

Truckee Meadows Community College (TMCC)

Advanced Manufacturing Mobilization

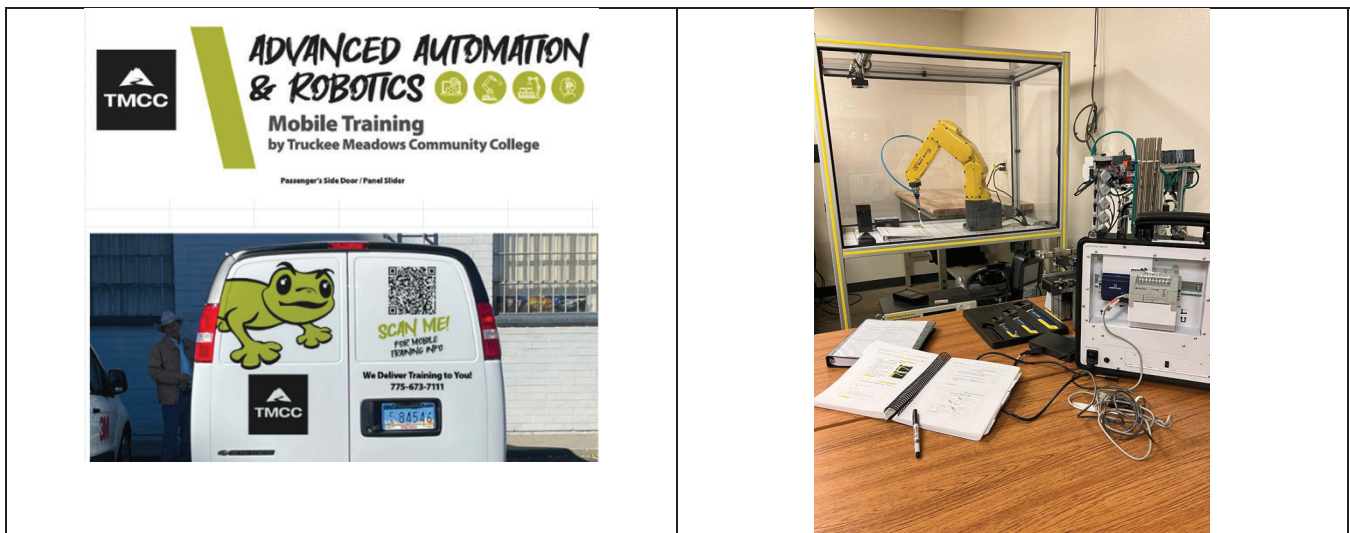
\$825,988.00

Employer Partners: TESLA, Panasonic Energy of North America and Haws Corporation

The Advanced Manufacturing Mobilization grant (AMM) is helping to satisfy the growing need for high-tech trained personnel in Advanced Manufacturing. The program aims to provide a mobile solution for workforce training by bringing the required training equipment to local employers and providing customized training opportunities for their employees.

One goal of the program is to increase the number of employer partners engaged in mobile workforce training. To date, there are at least six additional partners utilizing the mobile labs onsite for their employees, thus impacting career pathways for more than 45 participants. These companies include the addition of New Millennium, Hamilton and Sierra Nevada. Engagement in such training prepares incumbent workers for promotions and new career pathways, with some reporting wage increases to as high as \$44/hourly.

As the AMM program responds to current economic trends in Northern Nevada, TMCC is anticipating a full class to launch again at New Millennium for Spring 2025 reaching more students and employees with impactful, mobile workforce education. Additionally, the Hamilton GD&T Project represents a partnership with TMCC, Hamilton, and Nevadaworks to bring mobile workforce instruction to more than 100 employees across four cohorts this spring term. To support ongoing efforts, a marketing campaign was launched to bring awareness of the mobile offering to local companies. This marketing launch and outreach engagement with the manufacturing advisory board that has been assembled for this purpose brought about interesting findings of future need. Some of the outcomes include the need to address “hybrid manufacturing” which considers various aspects of machining with manufacturing.



Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Data Science Expansion & Promotion

\$199,076.00

Employer Partners: TESLA and Panasonic Energy of North America

Technology is the underlying sector of all emerging and future industries in Northern Nevada. In a 2022 report on tech and logistics projections, the Nevada Department of Employment, Training and Rehabilitation indicated that “most Nevada industries within tech and logistics have an outlook of decent to strong growth projected in the next decade.” While data science is a lucrative industry and provides graduates with in-demand high-paying jobs, it has become evident that there is a lack of understanding of varied data science career pathways and diverse options available when working with prospective students. To support this perspective, the TMCC Data Science Expansion & Promotion program was awarded a WINN grant to engage a full-time data science faculty member who will both develop the curriculum and serve as a lead content expert in this field of study. One determination with this guidance was to streamline the existing certificate program to ensure a more accessible and focused pathway for students to develop and apply essential data analytics skills. Further, the WINN award supports targeted marketing to highlight this emerging field of study and its wide array of lucrative career opportunities.

With this investment, TMCC has met and exceeded student enrollment goals. Among the 52 students currently enrolled in data science programs, 11 are employed in fields related to data science, computer science, IT, or networking, resulting in a 21% employment rate from this course alone. The creative advertising campaign aimed at both science students and returning adults seeking to upskill and transition into data science careers has launched. There are testimonials from at least three students who responded through that outreach.



Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Diesel Technician & Mining Support

\$150,000.00

Employer Partners: The Pape Group, Empire Southwest (CAT), Northern Nevada Mining Association

The TMCC Technician & Mining Support program provides the opportunity for students to earn both industry-recognized and TMCC-specific credentials in one semester or more. The program is built so that certificates stack into larger certificates and degrees, allowing students to put prior knowledge to use in meeting program requirements. Current course success rates are 89%, eight points above the college-wide average of 81%. The equipment purchased with the WINN grant will be used in all diesel technician programs. The faculty are also developing new courses that will benefit from the use of the equipment.

The list of companies hiring TMCC diesel technician students is impressive and demonstrates a strong return on investment of GOED WINN funding. They include: Peterbilt, Silverstate, Pape, Velocity, Kenross, Couer Rochester, NV Energy, Northstar, Empire CAT, Equipmentsshare, United Rentals, and Crown Lift Trucks.

"Working with the equipment has greatly enhanced my learning by providing hands-on experience that deepens my understanding of heavy-duty vehicles. Through troubleshooting, maintenance, and repair tasks, I've gained practical knowledge of how diesel engines function, which has improved my problem-solving skills and technical expertise. This program has made me more confident in my abilities as a student and technician. Thanks to the program my classmates and I have formed friendships and are able to work towards a career that we all aspire to reach one day." - Olivia Salas, Student



Truckee Meadows Community College (TMCC)

Logistics Expansion & Promotion




\$84,000.00

Employer Partners: ITS Logistics, LeisureQuip, Haws Corporation

TMCC gives students the opportunity to pursue three stackable credentials in logistics management. Logistics is a lucrative industry prioritized in the State Plans and provides graduates with high-paying, in-demand career pathways. The Logistics Management program responds to employers' need for a highly qualified workforce in this target sector. With companies like ITS Logistics growing and expanding yearly, it is imperative to support growth in this program with investment in instruction, promotion and outreach to reinforce a skilled workforce.

A goal of this WINN investment was to hire a new instructor to support expansion and promotion of the logistics management program. Given the timing of this award (late Summer '24), this presented an unexpected challenge as it became difficult to secure a new hire in a timely manner for the beginning of the academic year. All parties engaged to consider innovative ways of supporting the goal of this award to assist in the development of a skilled workforce in logistics. A new plan was designed to achieve the same job outcomes for those employers that committed letters of support to this program. Investment was redirected to support the part-time instructor model already in place at TMCC. Further, the annual Logistics Conference hosted by TMCC was utilized as a strategic tool to attract both students and professionals to the logistics management program and, ultimately, to build and sustain a thriving workforce talent pipeline.

This grant has enabled significant strides in supporting logistics students, marketing the program and hosting events that elevate the program's visibility. TMCC reports that a new part-time employee is focused on dedicating services that help logistics students with enrollment, retention and academic planning. Further, the logistics management WINN-funded program is on track to meet enrollment goals with 82 students declaring the major in the Fall 2024 semester. A design firm created a targeted bilingual marketing campaign which has had a significant impact. Social media campaigns featured students and graduates alike.

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|  |  |  | <p><i>“Through the Logistics and Operations program, I have gained knowledge and skills I have been able to apply to my career directly. I’ve been able to quickly gain new responsibilities in my workplace, helping me succeed while pursuing my BAS degree. The courses enlighten you to better understand your place as a consumer in the global supply chain, and how you can impact and influence all aspects of the supply chain.”</i></p> <p>- Julie S., Logistics Student</p> |
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Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Welding Lab Expansion Support

\$279,076.00

Employer Partners: Johnson Iron and MSM Sheet Metal & Steel Fabrication

The TMCC welding lab expansion support project is helping meet the growing demand for training in welding. Through the hire of an additional faculty member and the addition of much needed equipment, TMCC has increased the welding program to 78 full time enrollments. Further, 123 students have declared the Welding AAS as their major, 44 have declared the welding certificate of achievement, and 7 have declared the Welding/ CNC Certificate for a total of 174 students. TMCC has already exceeded their goal of 80 students enrolled for the entire 2024-2025 year. This program had the unique opportunity to offer courses in an open lab format, allowing working students to participate as their schedules allow, receiving credit by instructor review of core competencies met. The lab has 50 booths and is open Monday – Friday 1:30 – 9:00 p.m. Though it was an interesting approach, and employers found this format very accessible, TMCC observed mixed student success outcomes. Therefore, beginning in Spring 2025 they will revert to a scheduled offering of welding coursework. Program lengths vary from taking a single course or two during a 15-week semester, to a skills certificate which can be earned in 15 weeks or more, to an AAS Degree which would take a year or two to complete.

TMCC launched a strategic awareness campaign featuring female welders in program advertising. It also hired a female part-time faculty member and two female full-time faculty members, which bolstered enrollment of women in the program. From Fall 2023 - Fall 2024, the number of women declaring the Welding AAS Degree or a Welding Certificate of Achievement increased 91%, growing from 12 to 23 women.

"My name is Heather Morton, and I recently completed my final semester of the Associate of Applied Science (AAS) program in Welding Technology. From the very first day of my welding classes at TMCC, I knew I had found my passion and the perfect place to pursue it.

The teaching methods in the welding course were highly engaging, making it easier for me to grasp even the most challenging concepts. I found the experience so inspiring that I became a student worker my very first semester.

The knowledge I have gained from this program is truly invaluable. It has instilled in me a deep sense of confidence and pride, both in myself and in my school. I am honored to now serve as a part-time welding instructor at TMCC where I have the opportunity to give back and inspire future students.

Thank you to the TMCC Welding Program for helping me build a future I am truly passionate about."

- Heather Morton
Class of 2025



Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Accelerated Early College Auto/Diesel Program (ACE)



\$825,000.00

Employer Partners: Velocity Freightliner, Peterbilt, EmpireCAT, Pape Transportation/Diesel, Silver State, Corwin Buick Cadillac

The Auto/Diesel Early College training program begins during the student's sophomore year of high school and continues for three years. Students will take 14 college credits per year each year and earn 13 workforce training certificates by the time they graduate from high school, including 10 NC3 certifications, which is a hallmark of job readiness. Graduates will be well prepared to work as diesel technicians in automotive repair shops and in the mining industry. The program simulates a real work environment including punching a clock, working on real diesel engines and systems, and running diagnostics using specific on-line equipment manuals made accessible to ACE students by industry partners. The program is largely hands-on, and students work in very small groups so that all acquire the necessary competencies for success. The advisory board for this program speaks highly of the design and outcomes and is eager for more graduates to become their future workforce.

The WINN investment of equipment for this program is benefiting more than just Early College auto/diesel students. That's why TMCC is reporting that all students who are getting hired better reflect GOED's return on investment. Employer outreach and a student survey returned the following hiring trends:

- (1) Peterbilt reported one student hired
- (2) Silverstate reported two hired; their starting wage is \$23/hour
- (1) Les Schwab has hired one student upon graduation at \$17.40/hour
- (2) more in the MOPAR CAP OEM were hired, one making \$15/hour and one making \$22/hour
- (2) additional students did not state where they were working but are making \$23.85 and \$15.50 respectively
- (8) Total for FY24 Q1
- Since the FY24 Q1 report, TMCC has received additional reports of 32 job placements at companies such as Ford, Velocity, Kenross, NV Energy, Northstar, Empire Cat and more (average hourly wage is \$21.30/hour). As survey completion is voluntary, job placement will be underreported.

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| <p><i>"The diesel program has had a good impact on my school experience and has helped me with my career plan. The skills I'm learning will help me be able to work on cars in the future."</i></p> <p align="right">- Jeremias Vazquez</p> | <p><i>"The diesel CTE program has made school more enjoyable for me. It has helped me further my education in the automotive industry and will help me get a good job in the future."</i></p> <p align="right">- Joshua Mundy</p> |

Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Accelerated Early College Machining Program (ACE)

\$300,000.00

Employer Partners: Gyford Décor, Advanced Precision, Inc., Legacy CNC, Hamilton Company

The Machining Early College training program begins during the student's sophomore year of high school and continues for three years. Students will take 14 college credits per year each year and earn 16 workforce training certificates by the time they graduate from high school, including 13 NC3 certifications, a hallmark of job readiness. Graduates will be well prepared to work as machinists or start their own machining companies as one of our former graduates who provided the Legacy CNC support letter has done. The entrepreneurial nature of this industry provides upward career mobility. Students not only learn the foundational skills associated with manual lathes and mills, but learn to program, operate and troubleshoot industrial caliber equipment typically found in machine shops. The program is largely hands-on, and students work in very small groups or even individually so that all acquire the necessary competencies for success. Graduates hired by some of our advisory board members can continue to learn and earn in our Tool and Die Apprenticeship program.

Several hirings have already occurred for ACE Machining program students – at least six hires at companies including Samco, US Ordnance, Vineburg and Send Cut Send. The average starting wage is \$20/hour. The equipment also supports our regular college students' education. The faculty surveyed these students and found that we are training many incumbent workers who are advancing their skills (i.e., 12 incumbent workers reported taking TMCC machining classes to advance their job skills or pursue a new career in machining) including apprentices at Hamilton, VDM and Tesla. The average wage for incumbent workers is \$28/hour with a range of \$22.00 - \$38.50/hour. Given survey completion is voluntary, job placement will be underreported.

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| <p><i>"This machining program has allowed me to learn new things and encourages me to have higher grades. It has changed my career plans by making me want to pursue a machining career. All of the skills I'm learning will give me many opportunities for later in life."</i></p> <p>- Sara Perez Juarez</p> | <p><i>"The machining program has had a huge impact on my school experience and future career. It has helped in school with math. It has impacted my future because I have a job lined up to be a machinist right after high school. The program has also given me the opportunity to get my 2-year degree right out of high school."</i></p> <p>- Dawson Krentz</p> |

Images courtesy of TMCC

Truckee Meadows Community College (TMCC)

Lithium Loop Manufacturing Apprenticeship Program

\$1,029,884.00

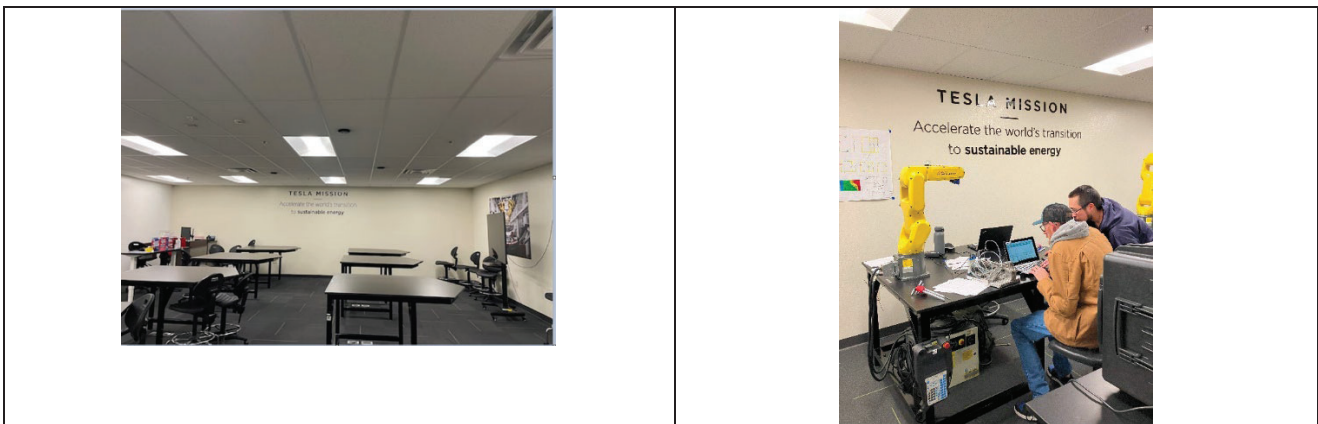
Employer Partners: TESLA, Panasonic Energy of North America, and Hamilton

TMCC has had a longstanding relationship with Tesla, Panasonic Energy of North America (PENA), Hamilton and other manufacturing companies in Northern Nevada. TMCC has partnered with these three companies and others to create registered apprenticeships. These registered apprenticeships are good jobs that allow students to earn wages while they learn and provide opportunities for upward mobility and earning potential.

As a designated Tech Hub, Nevada is poised to be a world leader in the circular lithium loop economy. With the Thacker Pass Project moving forward, we will be able to source the critical minerals necessary for processing and manufacturing of lithium-ion batteries. As mentioned at the Nevada Lithium Summit sponsored by GOED on Sept. 29-30, 2024, developing a trained workforce at the scale necessary is key to not only meeting consumer demands for lithium batteries in the United States, but it is a matter of national security. We cannot continue to be dependent upon exporting, processing, and importing critical minerals.

While TMCC has been training over a hundred manufacturing operator apprentices each year, that number is not sufficient to meet workforce demands for battery manufacturing in the region. As an example, Tesla needs to train at least 300 through June 2025 and at least 600 each year over the next three years to fill its workforce needs.

As of December 2024, all equipment outlined in the budget for this project has been ordered. TMCC facilities personnel are working with vendors to finalize a quote for air and power installation. TMCC is planning a training cohort for TESLA (39 participants) as well as Panasonic (beginning in March, depending on PENA ability to recruit a cohort and work with their shift schedule). TMCC has scheduled four cohorts of 24 for Tesla MDP for January to May '25 thus far.



Images courtesy of TMCC

College of Southern Nevada (CSN)

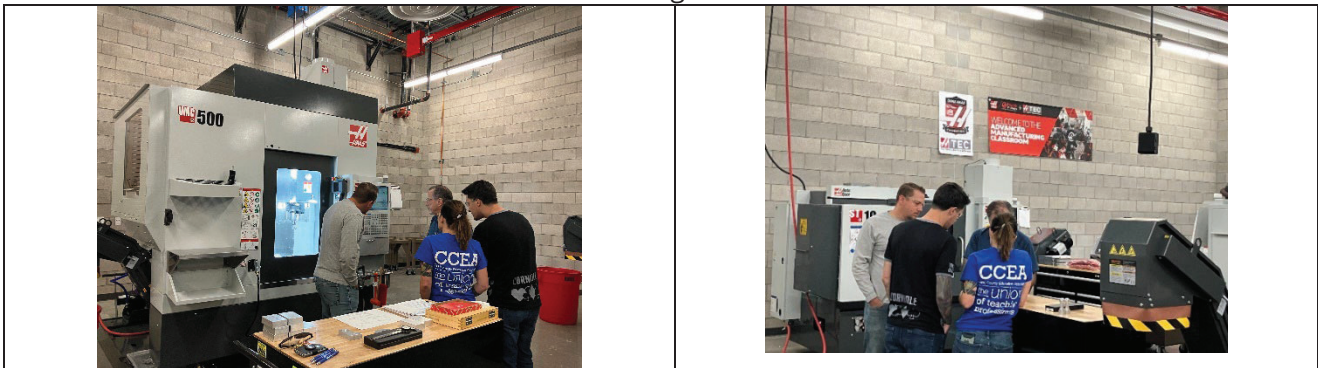
Advanced and General Manufacturing

\$1,048,394.00

Employer Partners: Entek, Sunshine Minting, Lithion Lithium Battery Inc., Arsenal, Inc., Sable System Int'l, Western Group Packaging

Southern Nevada is experiencing an influx of manufacturing companies that are relocating or expanding in the region. CSN's leadership has anticipated the coming wave of manufacturing companies and is preparing a talent pipeline of available employee candidates ready to meet the needs of our expanding manufacturing workforce. CSN's manufacturing credit-based program consists of a recently approved certificate and degree pathway and, through the WINN grant, will be positioned to tailor course and program content as well as outcomes to current and future industry employment needs. The WINN fund has been integral to the successful support of faculty and staff managing the program and to secure and maintain industry standard and leading-edge technology for equipment and software.

With this influx of funds to support instruction and curriculum, CSN will increase credit enrollment to up to 120 students through Spring '25 with capacity for continued growth beyond the term of the grant. CSN pledges that 75% (90) of enrolled students will be placed in part-time or full-time employment at companies like Entek, Sunshine Minting, Lithion, Arsenal, and more that have committed letters of support for this program. CSN Advanced and General Manufacturing initiated two cohorts of advanced manufacturing students from Foothill High School for the Fall '24 semester. These students will be seeking a Certificate of Achievement in Advanced Manufacturing/Automation and CNC Machining. Working with industry partners, CSN was able to complete content-specific training customized for Wells/Blue Bunny in 2023 and 2024. They also started apprenticeship training for Ken Foods starting August 2024. These specific endeavors were actuated via a collaboration between CSN credit-based and Division of Workforce & Economic Development instructors. This collaboration and course delivery will continue through at least 2025 and has sparked subsequent interest from other industry partners, mostly those on CSN's Advanced Manufacturing Advisory Committee. CSN works with companies like PepsiCo, Hougue, Lithion, Ken Foods, and others to promote career opportunities and upskilling for incumbent workers. Further, CSN has become the Haas Automation Certification institution for CNC Operators, both lathe and mill. CSN continues to conduct training and certification for over 30 CCSD Advanced Manufacturing dual-enrolled students.



Images courtesy of CSN

College of Southern Nevada (CSN)

Computing Information Technologies (CIT) Program Expansion

\$1,861,952.00

Employer Partners: AIS, ICU Computer Solutions, Outabox, Nevada National Security Site, Synoptek

The primary objective for this WINN funded project is to expand the networking, software and cybersecurity programs at CSN so more students can participate in these workforce pathways. The goals of the project included an expected enrollment of 375 students in year 1 (July 1, 2023 – June 30, 2024) and 375 students enrolled in year 2 (July 1, 2024 – June 30, 2025) for a total of 750 students enrolled at CSN's Henderson campus. To meet the requirements for this expansion, (5) full-time faculty, (2) part-time faculty, (2) development technicians, (2) academic advisors, (1) program officer, and (3) lab assistants were hired.

Program capacity from the time the grant was awarded increased from 175 to 405 per semester. To date, CSN has increased enrollment providing data science coursework to more than 900 students exceeding the program enrollment goal (750).

| Semester | Capacity | Enrollment | Enrollment increase from Spring 2023 |
|--------------------------------|----------|------------|--------------------------------------|
| Spring 2023 (before the grant) | 175 | 159 | |
| Fall 2023 | 228 | 218 | 59 |
| Spring 2024 | 384 | 353 | 194 |
| Fall 2024 (to date) | 405 | 372 | 213 |

CSN's certificates and degrees in software, networking, and cybersecurity provide students with the necessary education and skills required by today's IT specialists. Instruction includes courses on programming, databases, network administration, management and security of devices and data connecting to cloud services, server/client centric security issues as well as router/switch centric security issues.



"Nevada demonstrates its dedication to building a highly skilled cybersecurity and infrastructure workforce through strategic investments in programs designed to enhance technology literacy. The College of Southern Nevada (CSN) exemplifies this commitment by offering targeted courses and degree programs, specifically through the capacity expansion project offered through the Nevada Governor's of Economic Development (GOED) Workforce Innovation for a New Nevada (WINN) grant at the Henderson campus that address Southern Nevada's technology skills gap and Synoptek is very proud to partner with CSN in achieving its strategic goals, both in the immediate future and for long-term success." - Guna Rajendran, Deputy Chief Information Officer, Synoptek

Images courtesy of CSN

College of Southern Nevada (CSN)

\$376,004.00

Logistics & Operations Training Initiative

Employer Partners: Findlay Automotive Group, Sunshine Minting, Regional Transportation Commission

The Logistics Automation Technician program prepares students and incumbent technicians to install, operate, support, upgrade, and maintain automated material handling equipment and systems that support the supply chain. This Workforce Innovations for a New Nevada (WINN) award supports the certification course which is administered in 200 hours of instruction and lab practice. Depending upon the prior coursework or experience of the student, certification could be completed in as little as 40 hours (certification training and practice).

Upon successful program completion, the student or incumbent worker can test for the MSSC Certified Technician-Supply Chain Automation (CT-SCA) certificate. The result of the certification will lead to employment or classification upgrades for incumbent workers. This can be a value-added certification for any student enrolled in Advanced Manufacturing/Automation, Mechanical Technology, and Electronic Engineering Technology. Many of the hands-on skills for the CT-SCA certification are covered throughout the Certificate of Achievement (CA) and Associate of Applied Science Degree (AAS).

This program was awarded WINN funding at the July 2024 GOED Board Meeting and is using it to increase capacity for instruction and delivery towards the industry certifications for students. The project is on track to meet student enrollment goals this term and meet all objectives with success.

“The addition of these labs to the existing Center of Excellence in Henderson will expand the training capacity of workers in the fast-growing advanced manufacturing sector in Southern Nevada. Specifically, jobs in the Trade, Transportation & Utilities sectors (including Logistics Operations specialties) has grown by 26,000 between the beginning of 2020 and December 2022...therefore, the need for cross-training of existing workers, and the need for providing career pathways to our future workforce is vitally important.”

- Ken Lawson, Director of Human Resources
Sunshine Minting



College of Southern Nevada (CSN)

Nursing Skills Lab Expansion – North Las Vegas Campus

\$485,000.00

Employer Partners: Dignity Health, North Vista Hospital, Department of Veteran Affairs Southern Nevada Healthcare System

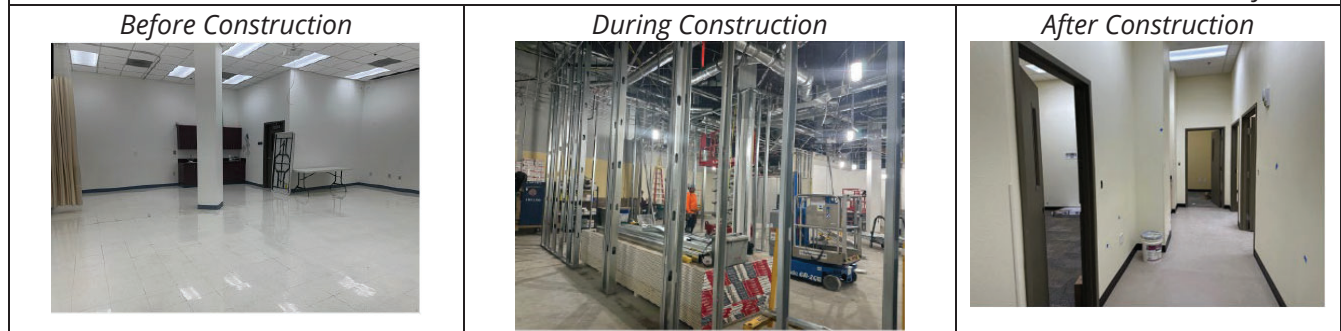
The Nursing Skills Lab Expansion project will develop a Nursing Skills Lab to provide hands-on training to nursing students that will prepare them to become highly qualified nursing professionals in Southern Nevada. At the North Las Vegas campus, the project will provide a Licensed Practical Nursing (LPN) program to increase the number of trained nurses by at least thirty (30) per year.

The expansion of the Nursing Skills Lab at CSN will significantly enhance healthcare quality across Southern Nevada, thanks to CSN's strong partnerships with healthcare providers throughout the region. One notable example is the collaboration between CSN's Nursing Program and the Southern Nevada Veterans Administration (VA). The VA not only hosts CSN nursing students for clinical hours but also hires many CSN graduates as nurses. Together, CSN and the VA are developing a career ladder to support students as they advance within the VA system. Additionally, CSN has forged valuable partnerships with organizations such as: Intermountain Health and Optum Care, further strengthening healthcare in the region.

This WINN award was established at the July 2024 GOED Board meeting allowing CSN ample time to implement the expansion elements of this program to impact student outcomes by the close of the funding term. To date, all project metrics are on track and a grand opening ribbon cutting ceremony is set for Thursday, January 23, 2025.

“Our company (VA Southern Nevada Healthcare System) will have approximately 12 practical nursing position openings annually with an approximate salary range of \$49,594 to \$90,263. This includes clinical supervisor positions as well. We look forward to having access to a larger pool of potential employees and strongly urge the funding of this important request by CSN.”

- Daniel Clark, Acting Associate Nurse Executive/Chief Nursing Ambulatory Care
VA Southern Nevada Healthcare System



Images courtesy of CSN

Great Basin College (GBC)

Instrumentation Technology -Winnemucca

\$540,958.00*

Employer Partners: Lithium Americas, Nevada Gold Mines, West Coast Salmon Nevada

During the Fall 2023 semester, Great Basin College (GBC) launched an Instrumentation Technology program in Winnemucca. This traditional “campus-based” program in Winnemucca has allowed students to remain at their local campus while they continue to work. It has also expedited training for new or current employees and ensured technological consistency across multiple locations. The program prepares students to work as Mining Instrumentation Technicians, Water Treatment Instrumentation Technicians, Manufacturing Instrumentation Technicians, Power Generator Instrumentation Technicians, Process Control Systems Technicians, or Process Automation Technicians.

From 2023 to 2024, GBC trained 14 students. Currently, 15 students are enrolled for the current academic term, 2024-2025. GBC continues to maintain a more than 80% retention rate, and more than 90% of students are employed by six months post-graduation. This program is well on track to meet the committed metrics (of 42 trained participants, 90% job-placed) by the end of the WINN funding term.

With the support of WINN funds, GBC has been able to purchase the equipment needed to ensure students in Winnemucca receive the same training as those in Elko. The arrival of two additional DAC Trainers in the Spring allowed the instructor to further develop Level, Flow, and Psi labs. The addition of a welder, oxy acetylene tanks, and plasma cutter also provided crucial hands-on experience in the lab for students in instrumentation installations and configurations. In addition, the program has been able to leverage the WINN funding to access other needed equipment through the Nevada Department of Education Perkins Reserve Competition grant.

The Instrumentation Technology program continues to work closely with many mining and chemical process companies, including Nevada Gold Mines, i80 Gold, Lithium Americas, Cyanco and Ormat Technologies. New partners include Micron, Endress and Hauser. Recent advisory board discussions have focused on the latest trends in the instrumentation industry. A key takeaway from members is the need for GBC to enhance its curriculum by integrating more advanced networking and communication protocols, a focused priority going forward.

“With 7,000 employees and one of the largest mining operators in Nevada, CTE training programs such as this are of the utmost importance to NGM in providing training and preparing our future workforce. There is no doubt that the mining industry and the State of Nevada as a whole both benefit greatly from being able to hire and retain a skilled local workforce.”

- Alissa Wood, Nevada Gold Mines
Head of Communities and Corporate Affairs, 4/1/2023



Images courtesy of GBC

**This project began in FY23 with an initial award of \$99,741.77 and then expanded in this biennium term.*

Great Basin College (GBC)

Welding Technology Line Boring Equipment - Elko

\$159,789.10

Employer Partners: KG Mining, Komatsu, and Empire CAT

Great Basin College (GBC) has added a 5.5-credit Line Boring course (WELD 275) to its GBC-Elko Welding Technology Program designed to give students a basic understanding of the principles of Line Boring and Bore Welding used in the mining and other industries for bore repair applications. The program will not only serve the needs of welding employers seeking high-skill workers across Nevada, but especially in Elko and surrounding communities where the need for highly trained welders is so great.

From 2023-2024, GBC trained 10 students. That enrollment has expanded to 25 students for 2024-2025. GBC continues to maintain a more than 80% retention rate and more than 90% of students will be employed by six months post-graduation. With the investment of the Workforce Innovation for a New Nevada (WINN) funds, GBC has been able to purchase needed supplies and equipment to offer the line boring training.

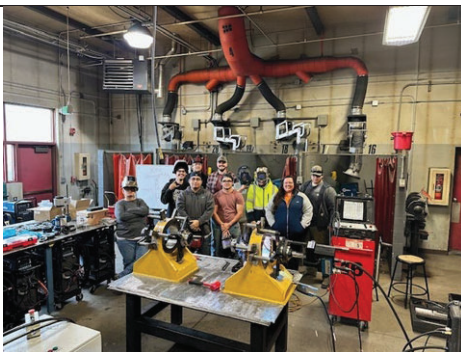
The instruction is very rigorous and has very serious real-world implications, so GBC's goal is to provide adequate wraparound services such as a tutoring and one-on-one instruction to ensure students are well-prepared with a solid foundation that will allow them to continue their training in the workplace.

GBC made the decision to incorporate line boring into its Welding Technology program based on recommendations from advisory board members and members of local industry who indicated the program would solve many issues, especially as related to local mining. GBC Welding Technology continues to enjoy a robust relationship with mining partners throughout northern Nevada. Recently, Ames Construction and Empire CAT have joined as industry partners and are each sponsoring one student.

"The (GBC Line Boring Equipment) program will not only serve the needs of employers like Kinross seeking high-skill workers across Nevada, but especially in Elko and surrounding communities where the need for highly trained welders is so great."

- Joseph Kemp, Vice President & General Manager, KG Mining – Bald Mountain Mine

5/1/2023



Images courtesy of GBC

Great Basin College (GBC)

NORCAT Mine Skills Training (MST)

\$832,230.00

Employer Partners: Lithium Americas, Sawtooth Mining, Nevada Gold Mines

The GBC-NORCAT MST program has a two-fold purpose with regards to workforce recruitment: (1) connect job seekers with customized education and training that will lead to high-skill, high-wage and in-demand jobs; and (2) connect employers with customized, sustainable tools and solutions that will help them recruit new talent and upskill existing employees. This program will focus on operation-specific learning pathways tailored to the local context through pre- and post-employment training. An emphasis on immediate job readiness will bridge the gap between project needs and local talent availability, and help industry realize production targets in the most efficient, compliant and safe manner possible.

In collaboration with industry stakeholders and local communities, the GBC-NORCAT MST Workforce Innovations for a New Nevada (WINN) funded program will help stakeholders identify and define future training requirements specific to the mining industry. By staying ahead of industry trends and emerging technologies, GBC-NORCAT will aim to ensure that training programs remain relevant and effective.

WINN funds were awarded for this program at the July 2024 GOED Board meeting as an outcome of the Governor’s Trade Mission to Canada. With project planning well underway, the target of January 2025 to officially launch GBC-NORCAT Mine Skills Training to industry is on time. The partnership is excited to work with potential employees and incumbents from across the mining- and mining-related industries.

“This partnership promises to yield significant benefits for new and existing workers in the Nevada mining industry. GBC and NORCAT will jointly develop and deliver cutting-edge training programs. Delivering to new workers, structured entry-level miner programming, we aim to equip the next generation workforce with the essential skills they need. The growing critical minerals industry is in need of workers. This partnership will create standardized entry level training for new miners so that they have the competence and the confidence to enter the mining industry and work safely and be productive. Safety is at the heart of all training and services the GBC – NORCAT MST partnership will offer. Because the most important thing to come out of a mine is its workers.”

- Jason Bubba, Chief Operating Officer – NORCAT
7/22/2024



Images courtesy of GBC and NORCAT



Great Basin College (GBC)

Geologic Technician Program

\$99,205.00

Employer Partners: Nevada Gold Mines, KG Mining, Newfields, Granite Construction

The Geologic Technician program at Great Basin College (GBC) includes three skills certificates leading to an Associate of Applied Science degree. The program began during the Fall 2024 semester and will continue indefinitely thereafter to train Geologic Technicians who can support scientists and engineers in exploring, extracting, and monitoring natural resources, such as rock, water and soil.

GBC's goal is to enroll a minimum of 15 students with capacity for up to 30 in the first (Fall '24) cohort and that 12 students will move through the program entirely to graduate and transition to the geologic technician workforce by May 2026.

Two recent successes for the early project planning of this Workforce for a New Nevada (WINN) funded program include: (1) Filling the GBC Geologic Technician Navigator position in mid-November 2024 and within just a few days, that person began recruiting students to the program; (2) as a result of the navigator's recruitment efforts, currently 18 students are enrolled in the program for the 2025 Spring semester, with likely more to add.

"These credentials will fast track well-trained candidates to roles supporting geologic operations through field and lab work, sample testing, data analysis, and report writing."

"We employ 15-20 technicians in any given year at a wage between \$20 - \$30 hour."

"NewFields is confident that Great Basin College can help graduates gain skill sets and competence to become valuable assets for our company and our community."

- Kevin Engelmeier, NewFields
Material Testing Manager
2/21/2024

Western Nevada College (WNC)

Expanding Training Pathways: Advanced Manufacturing & Battery Recycling

\$803,702.13

Employer Partners: Redwood Materials, Aqua Metals

As of December 2024, 76 students participated in the Advanced Manufacturing track of the Expanding Training Pathways program at Western Nevada College (WNC) that was developed with Workforce Innovations for a New Nevada (WINN) funding support. The Fall 2024 semester enrollment numbers exceeded expectations with more than 50 students engaged. These metrics surpassed those committed in the WINN application (target 24 students per semester). At least 20 of those students who have completed training have had impact on their career pathways at manufacturing companies including TESLA, New Millenium, and Garlock.

An additional 24 students who had been employed at Redwood Materials completed training through the Battery Recycling track of this WNC WINN-funded program and saw wage trends ranging from \$27 – \$49 hourly surpassing stated goals of the program to secure job placement at \$25/hour. A further emphasis of the Battery Recycling program is to develop a Chemical Operator curriculum. This project is on track with partners at Redwood Materials with action items to include feedback on content by Q1 of 2025. The first cohort of new students will also participate in this course during Q1 of 2025 securing success towards outcomes of this critical workforce pathway.



“Redwood Materials is partnering with Western Nevada College to develop and deliver curriculum, identify industry certifications, and create a stackable program that will help Redwood’s success while also providing a meaningful educational pathway for our current and potential employees. This application for WINN funds was developed as part of this collaborative partnership and recognizes the need for a high-quality industry-based training program in this field.”

- Don Tatro
Redwood Materials, Director of State and Local Policy
5/26/2023

“Northern Nevada is rapidly becoming the hub of battery recycling activity, led by industry innovators such as Redwood Materials, Aqua Metals, and American Battery. With the demand for lithium-ion batteries increasing daily even as the domestic supply chain remains nearly non-existent, there is a federal push to significantly reduce reliance on foreign sourcing – which is costly, causes production delays, and has a significant environmental impact - and move material access onshore. These Northern Nevada companies are employing new technology and new methods to extract metals from used batteries to close the gap between domestic and foreign supply needs. As these companies scale up production to meet and match the increased battery manufacturing demand, additional jobs will be added in the thousands.”

- Dana Ryan, WNC, Vice President, Academic & Student Affairs, WINN application