



Workforce Innovations for a New Nevada (WINN) Logistics & Operations Training Initiative

With regards to the above titled program, CSN would like to respectfully submit additional comments and information to complement the WINN application presented on 5/23/2024 and now again 7/25/2024 for your consideration:

- For comparison purposes, Transportation, Warehousing and Utilities (the “umbrella” industry sector of logistics) vs. Leisure and Hospitality in Southern Nevada represented 52,600 jobs vs. 292,300 jobs, respectively, in February 2020; these sectors reported 45,700 jobs vs. 125,100 jobs, respectively, in May 2020, due to the pandemic. As of May 2024, these sectors report 78,400 jobs vs. 301,900 jobs, respectively, therefore gaining 25,800 jobs in Transportation, Warehousing and Utilities vs. 9,600 jobs in Leisure and Hospitality, reflecting the net job increase since the pandemic low. CSN is seeking to **grow** training availability in a rapidly growing sector that currently lacks training resources.
- A segment of the salaries/wages cited in the letters of support for this application reflect “entry level” hourly wages. However, the program(s) intended to benefit from the funding request of GOED will in large part serve to train incumbent workers in the sector, which is a subset of advanced manufacturing. Therefore, these trainings would improve the salary level of existing workers, which would have been much higher than the entry level wage. The mean average wage for workers in the Transportation and Material Moving occupations was \$26.00/hour, as of 2023. Source: Bureau of Labor Statistics
- The perceived difficulty of accommodating enrollments for students in basic courses such as English or Math is incorrect. CSN routinely adds sections to expand capacity as our scheduled slate of classes reach capacity. In some instances, the availability of classes at the time desired and on the campus desired, are not available; but the overall capacity issue is non-existent.
- Regarding the availability of instructors for the logistics & operations classes/workshops, our Executive Director for Advanced Manufacturing will be recruiting additional instructors who have expertise in the field, and our WINN application budget reflects an appropriation for these instructors to obtain any necessary certifications that will qualify them to teach these specialized disciplines.
- Training and certifications of our CCSD students are offered and obtained in secondary schools are incorporated in the Logistics Automation & Integration Technician program at CSN. Therefore, these CCSD students will be benefitted by the coursework they have already completed and will receive additional training from the CSN offerings.
- Our WINN application for equipment completes a two-part plan to offer the training program. CSN received a \$1.99M Building Pathways to Infrastructure Jobs grant from the Department of Labor in September 2023. In this grant, the stated objective is to “*expand the training capacity of workers in multiple occupations that support the emerging and rapidly growing Transportation & Logistics Technologies and Clean Technologies sectors within Advanced Manufacturing with a targeted focus on workforce equity for marginalized communities.*” * The grant includes the cost for adjunct faculty and coordination with our employment partner, Workforce Connections, for job placement as needed.



Workforce Innovations for a New Nevada - NSHE Capacity Program Application

The Workforce Innovations for a New Nevada (WINN) Fund was established to provide programs of workforce recruitment, assessment or training to the benefit of new or expanding companies in Nevada.

This application is to be completed by a representative of an Authorized Provider per NRS 231.1415 who wishes to provide a workforce training program with WINN funding. A separate application is necessary for each training program. Applications requesting funding in excess of \$100,000 must be reviewed and approved by the Board.

On December 2, 2021, GOED's Board approved minimum wage thresholds for WINN Fund investments. Jobs supported by the training program in this proposal must pay at least \$17 per hour; additional requirements apply and supplemental information may be requested to complete the application process.

Authorized Provider Information

Institution Name

College of Southern Nevada

Address

6375 W. Charleston Blvd, WCE-120C, Las Vegas, Nevada 89146

Workforce Development Program Experience

Manufacturing Skills Training Program - June 2020-October 2023; using Amatrol Advanced Manufacturing Learning Systems equipment to train potential hires, screened hires & probationary workforce, and retrain displaced workers in entry level certificate programs that support the emerging advanced manufacturing sector. Specifically, feature the training of MSSC Certified Production Technicians and NIMS certified level 1 CNC machine operators for companies such as Wells Blue Bunny and in preparation for companies such as Haas Automation.

Primary applicants must be able to effectively track and document expenses related to this grant, procure equipment in a timely fashion, maintain procedures and internal controls for accounting, and have infrastructure for maintaining data and completing reports.

Organizational Capacity

This project will be providing training in Logistics & Operations, one of southern Nevada major growth sectors, producing Logistics Automation and Integration Technicians. CSN will offer certifications including Manufacturing Skills Standards Council-Certified Technician for Supply Chain Automation and Society for Maintenance and Reliability Professionals-Certified Maintenance and Reliability Technician. The project will be overseen by Dan Flick, Executive Director, Advanced Manufacturing and Stavan Corbett, Interim

Director, Division of Workforce.

Project Information

Project Name

Logistics & Operations Training Initiative

Primary Economic Sector

Advanced & General Manufacturing
Logistics

Project Point of Contact

Frank Woodbeck

Title

Executive Director, Grants & Special Projects

Phone

(702) 651-7310

Email

frank.woodbeck@csn.edu

Employer Partner(s)

Company 1

Company Name

Findlay Automotive Group

Company Point of Contact

Tyler Corder

E-mail

tylercorder@findlayauto.com

Job Titles to Be Filled

Automotive Technicians

Number of Job Openings to be Assisted

30

Average Hourly Wage for Job Hires

\$22/hour

Employer Commitment & Support Letter

Ltrs of Support.pdf

Workforce Disruption - Prior 12 Months

No

Company 2

Company Name

Sunshine Minting, Inc.

Company Point of Contact

Ken Lawson

E-mail

klawson@sunsinemint.com

Job Titles to Be Filled

Machine Operators, Maintenance, Tooling

Number of Job Openings to be Assisted

50

Average Hourly Wage for Job Hires

\$18/hour

Employer Commitment & Support Letter

Ltrs of Support.pdf

Workforce Disruption - Prior 12 Months

No

Company 3

Company Name

Regional Transportation Commission

Company Point of Contact

Angela Brookins

E-mail

brookinsa@rtcsonv.com

Job Titles to Be Filled

Zero Emission Vehicle Maintenance

Number of Job Openings to be Assisted

20

Average Hourly Wage for Job Hires

\$29/hour

Employer Commitment & Support Letter

Ltrs of Support.pdf

Workforce Disruption - Prior 12 Months

No

Statement of Need

Needs Assessment

The Logistics Automation and Integration Technician certification program would complement existing coursework in our Applied Technology and Advanced Manufacturing programs. The development of the program is as a result of industry demand for a trained workforce in logistics and operations; and the need for workforce training in growth sectors of our economy. The logistics & operations employment sector has grown by nearly 30,000 jobs in southern Nevada since the end of 2019. CSN is seeking to provide short term training for Logistics Automation and Integration Technicians (LAIT) with certifications including: MSSC/CTSCA (Manufacturing Skills Standards Council & Certified Technician Supply Chain Automation). This training is not currently offered in the public education or for profit education sectors.

Program Objectives and Outcomes

Program Overview

CSN is seeking to provide short term training for Logistics Automation and Integration Technicians (LAIT) with certifications including: MSSC/CTSCA (Manufacturing Skills Standards Council & Certified Technician Supply Chain Automation). CSN seeks to provide these LAIT training labs at the CSN North Las Vegas campus and CSN at the upcoming Westside Education & Training Center (under construction w/completion in early 2025), both of which will complement the lab planned for the Advanced Manufacturing Center of Excellence in Henderson; thereby providing new and incumbent worker training to the geographic locations where companies in need of this category of trained workers are located. These locations will serve North Las Vegas/APEX; central Las Vegas; and Henderson. Program launches will begin in the Winter of 2024/2025, in North Las Vegas; and be completed by the program launch at the Westside Education & Training Center in mid-2025.

Employer Engagement

Employers will be engaged using the Advanced Manufacturing and the Logistics & Operations industry sector partnership groups lead by Workforce Connections, and CSN is a member of. Any specialized curriculum (company specific proprietary training) can be developed in conjunction with the CSN Executive Director for Advanced Manufacturing, Dan Flick.

Capacity-Building Program Design

The funding from this grant will be used to purchase four (4) Skill Boss Logistics Labs with the accompanying tool package, software and teaching materials; two (2) of which will be placed at the CSN North Las Vegas campus and two (2) placed at the Westside Education & Training Center. Curriculum development will be completed by our Executive Director for Advanced Manufacturing. As a part of this grant, the training of three (3) instructors will be included, and their certification from the Manufacturing Skills Standards Council. From that point forward, the "train the trainers" concept will be used to expand the cadre' of instructional personnel. Having two labs at each location will provide increased capacity for current and future needs.

Will this program include funding for staff?

No

Justification for Existing Staff

The training of existing staff will increase the capacity of training available at the various lab locations.

Recruitment

There are two broad primary targets: 1) adults seeking entry level employment with employers seeking the skill sets gained by Logistics Automation Integrated Technician training; and 2) incumbent workers with existing advanced manufacturing and/or logistics companies that are seeking to upgrade their workers. CSN is in contact and engaged as a member of the Advanced Manufacturing and the Logistics & Transportation Industry Sector Partnerships through Workforce Connections, and the interaction with those member companies will provide access to potential trainees. Marketing to these industry groups is planned as a part of this application.

CSN will also promote the availability of this training with our current (and past) student body in the Advanced & Applied Technologies Department; and with our Division of Workforce. We have included marketing expenses to these groups in our budget.

Outcomes

Plan by location is as follows:

CSN North Las Vegas Campus - Anticipated launch: January 2025 - Augment our Mechanical Technology and Advanced Manufacturing credit bearing program, integrating modular training in maintenance, repair and troubleshooting manufacturing systems. New and Incumbent worker training. Approximately \$22/hour minimum. Also, Instruction and certification for the MSSC Certified Technician-Supply Chain Automation program. Programs up to 16-week semester. Capacity 30 students per year. Approximately \$27/hour minimum.

CSN at the Westside Education & Training Center - Anticipated launch: June 2025 - Instruct and certify students in the MSSC Certified Technician-Supply Chain Automation program (CT-SCA), resulting in Logistics Automation Certification (non-credit entry level training course). Program up to 16-week semester. Capacity 30 students per year. Approximately \$27/hour. This is a stackable credential which can be credit bearing if continued on a pathway to an Advanced Manufacturing degree.

Sustainability Plan

The program will be one of the slate of offerings within our Applied Technologies/Advanced Manufacturing programs, and thereby supported by the funding formula from the State, and also the fee-based customized programs provided under the Division of Workforce.

Is the program offered consistent with the Unified State Plan (WIOA)?

Yes

Supporting Documents

Workforce Diversity Action Plan

WINN requires that projects consider how to ensure equitable access to high-skill and high-wage opportunities for all Nevadans.

This application must include an explanation of the actions that will be taken and strategies that will be implemented to promote workforce diversity and the goals and performance measures which will be used to measure the success of the plan in achieving those goals.

A strong plan will show an understanding of the interventions and supports diverse participants will need to prepare them for success and include methods for monitoring at the training and employment levels of the project.

GOED seeks to read plans including efforts to address the needs of Veterans, Gender inclusion and penetration in non-traditional employment, recipients of public assistance, justice-involved citizens, racial and ethnically diverse students, and persons with disabilities.

Diversity Action Plan

Veterans:

In collaboration with the DETR, DETR's Veterans Program Coordinator offers identified CSN students who are veterans and considered to have a Significant Barrier to Employment (SBE) as per DOL guidelines, one-on-one employment services. CSN will also share this opportunity with the myriad of Veteran support organizations including Goodwill, Veterans Village, U.S. Vets and the Nevada State Office of Veterans. The Veterans Education & Transition Services (VET) Center works as a liaison between CSN students and the Department of Veterans Affairs to assist veterans and their dependents with their educational benefits and academic needs.

Student Benefits for Veterans include:

Assistance with educational benefits application

CSN admission assistance

Liaison to veteran's regional office

Study location

Personal academic counseling Information on local job opportunities

Veteran work-study possibilities

Gender (Non-traditional Employment):

Given that gender representation in advanced manufacturing occupations in Nevada is well below the national average, CSN will leverage prior experience and program contacts to target increased female participation in these programs to broaden opportunities for women in this industry. Partners who share this commitment include Workforce Connections and DETR.

Race/Ethnicity:

Even with a diversified economy, only 25% of the current 25-34 year-old workforce in Nevada has postsecondary education, whereas 60% of new jobs in key sectors such as teaching, health science, manufacturing and cybersecurity require postsecondary education. Increasing the college- educated population in Southern Nevada is an economic imperative for the State to weather this recession and grow to serve its population. Because of this and because of CSN's status as a Hispanic-Serving Institution and Minority-Serving Institution that welcomes students with both the strongest desire and the weakest preparation for a postsecondary education, CSN is committed to developing fundamental resources and approaches to educating and training a diverse workforce.

Recipients of Public Assistance:

We will partner with Workforce Connections, Goodwill, DETR and DWSS to share this opportunity with recipients of public assistance. We are also developing ""wrap around"" service centers on each of our campuses. These centers will act as one-stop opportunities for students who are on public assistance, or those seeking to avail themselves of public assistance programs, as opportunities to determine how their qualified assistance program can aid them in their educational pursuit.

Re-Entry or Returning Citizens:

CSN is aware that higher education has been proven nationally to be a 180-degree turn away from recidivism for the formerly incarcerated (RAND. 2016). Some studies have shown that between 43%-72% of prisoners who receive a college education do not recommit criminal activity (Inside Higher Education. 2018). And the level of education achieved has an exponential effect. A study by Emory University found that: ex-offenders who complete some high school courses have recidivism rates around 55 percent. Vocational training cut recidivism to approximately 30 percent. An Associate Degree drops the rate to 13.7 percent (Inside Higher Education. 2018).

Persons with Disabilities:

CSN's Disability Resource Center (DRC) coordinates resources available to persons with disabilities. Information regarding the DRC is made available to students before registering for classes. Various supports are available to mitigate barriers to student success. Learning materials can be produced in a variety of media to accommodate students with different learning needs including, but not limited to, Braille, oversized text and voice recordings. Individuals who work as sign language interpreters, note takers and readers are also available to students who demonstrate need. Accommodations are also available for those students who have learning disabilities or need special access as for computer use. Comprehensive assessment assists in identifying barriers to success, and a plan for transition into postsecondary education and/or training.

Workforce Diversity Commitment Statement

CSN's organizational culture is committed to and strongly emphasizes Diversity at every level. An Equal Employment Opportunity/Affirmative Action institution, the college does not discriminate on the basis of sex, age, race, color, religion, disability, national origin, veteran status, sexual orientation, genetic information, gender identity, or gender expression in employment, admissions, educational programs, services, or activities in which it operates. To accommodate the shared governance model at CSN, the Recruitment process is conducted by the Talent Acquisition team as well as a Screening Committee that includes a member from each employee group as well as a Faculty Senate representative. These individuals are charged with the responsibility of screening applications and identifying candidates who meet designated qualifications and required experience, with the guidance of the subject matter experts within the Talent Acquisition team. Once the candidates are carefully screened, the committee works with their designated Recruiter to contact candidates and schedule interviews. This also ensures for a thorough, non-bias process. Interviews are then conducted to identify the individual who best meets the criteria, while also demonstrating to be a "good fit" for the position and the organization as a whole. Reference checks are conducted along with Nevada State fingerprinting/background checks and drug testing (when applicable).

Statement to Comply with Federal & State Law

CSN Office of Sponsored Projects assigns Program Managers (PM) and the Controller's Office assigns Fiscal Managers (FM) to ensure appropriate use of funds in compliance with Uniform Guidance, EDGAR and institutional policies and procedures; facilitate budgetary decisions, projections and expenditure approval. The Controller's Office oversees the financial administration of grants to ensure compliance with the standard accounting practices and federal cost principles. CSN has a strong record in federal, state, and local grants management. This proposed budget is sufficient to support the implementation of activities to achieve the objectives of the Program. Program staff submit monthly progress reports to the PM, summarizing implementation progress, travel, use of consultants, development & piloting of courses/degree programs

and student support system, acquisition of and installment of equipment and supplies, formative and summative evaluation issues, unanticipated problems, potential solutions, delays in projected timeline, requests for assistance. Quarterly reports by the PM summarizing progress toward activity outcomes & obstacles encountered form the basis of briefings for the Steering Committee, & Annual Performance

Request for Funding

Has any part of this program received prior capacity funding?

No

Total Project Cost

\$376,004.00

WINN Funding Request

\$376,004.00

WINN is primarily a reimbursement-based grant. Can your institution cover the costs included in your budget without advanced funding?

Yes

Reimbursement invoices must be submitted quarterly, but may submitted as often as monthly.

What are your invoicing plans?

Monthly

Cost Estimates

LAIT - Logistics & Operations - V2 - pdf.pdf

WINN - LAIT Expense Spreadsheet - V2 - pdf.pdf

Budget Narrative

LAIT - Budget Narrative - V2 - pdf.pdf

APPLICATION FOR WINN FUNDS - BUDGET BREAKDOWN

APPLICANT NAME: College of Southern Nevada

PROJECT NAME: Logistics & Operations Training Initiative

PROJECT PERIOD: June 3, 2024 - June 30, 2025

PRIORITY PROGRAM COSTS

Enter the total cost for each line in the far right column	Total WINN Request
Candidate Assessment Fees	
Instructional and/or Curriculum Development Services	\$13,500.00
Direct Program Personnel (e.g. Navigator, Liaison, Coordinator)	
Equipment or Technology for Training	\$335,504.00
Priority Costs Subtotal:	\$349,004.00

ALLOWABLE PROGRAM COSTS

Enter the total cost for each line in the far right column	Total WINN Request
Training Fees	
Analysis of On-Site Training	
Administrative or General Support Personnel (May not exceed 10% of total funding)	\$9,000.00
Instructional Facility Rental Costs	
Program Promotion Costs	\$18,000.00
Other Necessary Costs	
Non-Priority Costs Subtotal:	\$27,000.00

TOTAL WINN REQUEST: \$376,004.00

Please contact the GOED Director of Workforce Development at 702-486-0609 with any questions regarding the budget breakdown



Logistics & Operations Training Initiative Budget Narrative

Instructional and/or Curriculum Development \$13,500

- The training and certification of 3 instructors to MSSC – Manufacturing Skills Standards Council/Certified Technician for Supply Chain Automation standards. These instructors will rotate through the lab locations to train future and incumbent workers as Logistics Automation and Integration Technicians (LAIT), with the skills to support and/or initiate projects in support of companies in advanced manufacturing and in logistics & transportation. Also, with regards to the lab installation at the Westside Education & Training Center (WETC), these instructors will provide “entry level” training for students to enter a career path with logistics & transportation companies or manufacturing facilities. The WETC is slated to serve an underserved population in the historic westside and environs.
- An FY25 expenditure – 3 instructor certifications @\$4,500.

Equipment or Technology for Training \$335,504

Purchase four (4) Amatrol Skill Boss Logistics Labs & Associated Materials

- Purchase includes Skill Boss Logistics Lab; Hand Tool Package; Consumables Package for each lab; Factory Talk View ME Station Programming Software; Studio 5000 Mini PLC Programming Software Seat Licenses for each lab; On Site Installation and Product Orientation; and Shipping Costs.
- An FY25 expenditure – Two (2) labs assigned to the CSN North Las Vegas Campus; and two (2) labs assigned to the Westside Education & Training Center.

Administrative or General Support Personnel

\$9,000

- Purchase the time of two (2) administrative personnel (10% of a \$45,000 annual salary) – one from CSN and one from Workforce Connections – to provide support for marketing and promotional activities to and with students who would likely take advantage of LAIT training; promotional events/tours for advanced manufacturing companies and logistics & transportation companies that are members of the Workforce Connections Industry Sector Partnership groups; and companies that are new to southern Nevada.
- FY24 – Planning for internal and external promotional campaign - \$1,000
- FY25 – Execution for internal and external promotional campaign - \$8,000

Program Promotion Costs

\$18,000

- Internal (CSN) promotion of the newly available LAIT training to Advanced & Applied Technologies Department students (\$2,500); and Division of Workforce (DWED) students (\$2,500), who are or have taken courses in related majors - \$5,000.
- External promotion to advanced manufacturing companies and/or logistics & transportation companies for incumbent worker training - \$10,000.
- Joint promotion with Workforce Connections to Industry Sector Partnership member companies in advanced manufacturing and logistics & transportation, including facilities tours and receptions - \$3,000.
- FY24 – Initial promotional communication w/CSN students - \$1,500
- FY25 – Ongoing promotional communication w/CSN students - \$3,500
External promotion to companies for incumbent workers - \$10,000
Joint promotion w/Workforce Connections - \$3,000



310 N. Gibson Road, Henderson, NV 89014
702-558-8888 findlayauto.com

Letter of Support for Logistics Operations & Training Lab

College of Southern Nevada

Dr. Federico Zaragoza
President
College of Southern Nevada
6375 West Charleston Blvd.
Las Vegas, NV 89146-1164

Dear Dr. Zaragoza,

We are writing to express our enthusiastic support for the College of Southern Nevada (CSN) application to the WINN Fund to support the addition of Logistics Operations & Training Labs for training under the Department of Labor, Building Pathways to Infrastructure Jobs Grant received by CSN in September 2023. This four-year grant will ramp up training dramatically in this important industry sector. As we understand, the training for logistics & operations technicians is slated to begin in October 2024.

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 sector (including Logistics Operations specialties) has grown by 26,000 between the beginning of 2020 and December 2022; while jobs in other traditional sectors, i.e. the Leisure & Hospitality and Accommodation & Food Services sector lost jobs during that same period. Therefore, the need for cross-training of existing workers, and the need for providing career pathways to our future workforce is vitally important.

The Logistics Automation and Integration Technician (LAIT) training program, provided through the proposed labs will support the advanced manufacturing industry sector by offering industry-recognized certifications including: Manufacturing Skills Standards Council/Certified Technician for Supply Chain Automation (MSSC-CTSCA); Society for Maintenance and Reliability Professionals/Certified Maintenance and Reliability Technician (SMRP-CMRT); and Packing Machinery Manufacturers Institute (PMMI) Mechatronics.

Our company has continuous need for Automotive Technicians with a starting pay of approximately \$22.00 per hour. These are career positions that, with additional training and experience, quickly advance to \$100,000 or more in annual wages. We currently have approximately 30 open positions for trained Automotive Technicians. We look forward to having access to a trained workforce in this important discipline and therefore urge the funding of this request by CSN.

Dr. Zaragoza, please include this letter with your application to the Governor's Office of Economic Development as a demonstration of our support.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tyler Corder". The signature is fluid and cursive, with the first name "Tyler" and last name "Corder" clearly distinguishable.

Tyler Corder
Chief Financial Officer

Letter of Support for Logistics Operations & Training Lab

College of Southern Nevada

Dr. Federico Zaragoza
President
College of Southern Nevada
6375 West Charleston Blvd.
Las Vegas, NV 89146-1164

Dear Dr. Zaragoza,

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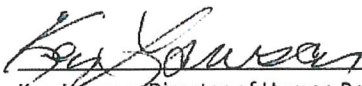
The addition of these labs to the existing Center of Excellence in Henderson will expand the training capacity of workers in the fast-growing advanced manufacturing sector in southern Nevada. Specifically, jobs in the Trade, Transportation & Utilities sector (including Logistics Operations specialties) has grown by 26,000 between the beginning of 2020 and December 2022; while jobs in other traditional sectors, i.e. the Leisure & Hospitality and Accommodation & Food Services sector lost jobs during that same period. Therefore, the need for cross-training of existing workers, and the need for providing career pathways to our future workforce is vitally important.

The Logistics Automation and Integration Technician (LAIT) training program, provided through the proposed labs will support the advanced manufacturing industry sector by offering industry-recognized certifications including: Manufacturing Skills Standards Council/Certified Technician for Supply Chain Automation (MSSC-CTSCA); Society for Maintenance and Reliability Professionals/Certified Maintenance and Reliability Technician (SMRP-CMRT); and Packing Machinery Manufacturers Institute (PMMI) Mechatronics.

Our company will have in excess of 50 machine operator positions starting at \$18.00 per hr. plus a \$2.00 shift differential as well as skilled positions in Maintenance, Tooling, Engineering as well as Art & Design, Finance and Customer Service. We look forward to having access to a trained workforce in this important discipline and therefore urge the funding of this request by CSN.

Dr. Zaragoza, please include this letter with your application to the Governor's Office of Economic Development as a demonstration of our support.

Sincerely,



Ken Lawson, Director of Human Resources

klawson@sunshinemint.com

(208) 719-6124



Regional Transportation
Commission of
Southern Nevada

600 S. Grand Central Pkwy., Suite 350, Las Vegas, NV 89106-4512

March 4, 2024

Dr. Federico Zaragoza
President
College of Southern Nevada
6375 West Charleston Blvd.
Las Vegas, NV 89146-1164

Dear Dr. Zaragoza,

On behalf of the Regional Transportation Commission of Southern Nevada (RTC), we offer this letter of support regarding the College of Southern Nevada (CSN) application to the WINN Fund for funding to assist with the construction of Logistics Operations and Training Labs. These labs will be used for training under the Department of Labor's Building Pathways to Infrastructure Jobs Grant received by CSN in September 2023. This four-year grant will dramatically increase the number of people it is able to train for the logistics sector.

Adding these labs to the existing Center of Excellence in Henderson, NV will expand the training capacity to up to 200 workers annually in the fast-growing advanced manufacturing sector in Southern Nevada. The trade, transportation, and utilities sector, including logistics operations specialties, have grown by 26,000 positions between the beginning of 2020 and December 2022; while jobs in other traditional sectors such as leisure, hospitality, accommodations, and food services lost jobs during that same period. Because of the rapid growth in this sector, being able to cross-train workers is vitally important to ensure vacancies in these emerging fields are filled with skilled employees.

The RTC's transit operations contractors have had difficulty hiring employees skilled in zero emissions vehicle maintenance, and they have benefitted greatly from the training programs made available to the community by CSN. Through that experience, the RTC has recognized the critical need to train workers now for growing industry sectors. Therefore, we are extremely supportive of the funding request by CSN to support the Logistics Automation and Integration Technician training program.

Dr. Zaragoza, please include this letter with your application to the Governor's Office of Economic Development as a demonstration of our support.

Sincerely,

MJ Maynard
Chief Executive Officer
Regional Transportation Commission of Southern Nevada



WINN Project Pre-Application

College of Southern Nevada Logistics Automation & Integration Technician (LAIT) Training Program

Klein Education Systems Quotation & Product Description Amatrol Skill Boss Logistics Lab

College of Southern Nevada
Quotation for Amatrol Skill Boss Logistics

October 5, 2022

Qty	Item	Description	Unit Cost	Total
4	95-MSB3	<p>Skill Boss Logistics Required for MSSC's Certified Technician-Supply Chain Automation Certification. Requires 33970 Hand Tool Package, 17686 Consumables Kit, 82-750 FactoryTalk View Station, 82-8RSM RSLogix 5000 Mini for education or 82-8RSMI for all other organizations. Also requires 120V/60Hz/1ph electrical, compressed air, and PC with Touchscreen (screen resolution of 1920 x 1080 or higher). For CPU requirements, see amatrol.com/support. 82-610 Mobile Technology Workstation or equivalent and additional PC monitor recommended. Amatrol requires all e-Learning subscriptions to start on order date or an alternate date specified within one year of purchase. Note that eLearning requires high speed internet access and a PC.</p> <p>Includes: (1) Workstation; (1) Operator Station, (1) Sortation System including belt and roller type conveyors, DC-drive Controlled Induction Conveyors, Automatic Package Queuing and Priority Release, Vertical Sorter, Barcode Scanner, Jam Sensors, (1) Fault Insertion System; (3) PLC-controlled Discharge Chutes, (1) Manual Rework Station; (1) C34110 Instructor's Guide, (1) D34110 Maintenance and Operation Manual, (1) K34110 Instructor's Resource PCD; Supplied separately by MSSC: (5) 6-Month eLearning Course Subscription to WMSSCEM Equipment Maintenance, (5) 6-Month eLearning Course Subscription to WMSSCER Equipment Repair, and (5) 6-Month e-Learning Course Subscription to WMSSCNR Network Repair.</p> <p>School to Provide Compressed Air</p>	\$72,645.00	\$290,580.00
4	33970	<p>Hand Tool Package - Skill Boss Logistics Required for 95-MSB3. Includes: Mini Grease Gun, Assorted Wrenches, Screwdriver, Dial Indicator, Tension Tester, Level, Rule, Tension Tester, Micrometer, Tape Measure, Feeler Gauge, Dial Calipers, Tachometer, and Multimeter.</p>	\$3,350.00	\$13,400.00

College of Southern Nevada
Quotation for Amatrol Skill Boss Logistics

October 5, 2022

Qty	Item	Description	Unit Cost	Total
4	17686	Consumables Package for 95-MSB3 Skill Boss Logistics Includes: (1) Lens Cleaning Cloth, (1) Cleaner, (1) Bottle Isopropyl Alcohol, (1) Regulator Filter, (1) 100' Wire Hook, Misc Washers, Screws, and Sockets.	\$441.00	\$1,764.00
4	82-750	FactoryTalk View ME Station Programming Software - 1 Seat License Requires PC with touch screen. For PC requirements, see amatrol.com/support. Includes: (1) Seat License FactoryTalk View ME Station.	\$1,950.00	\$7,800.00
4	82-8RSM	Studio 5000 Mini PLC Programming Software - 1 Seat License, EDUCATION ONLY Available exclusively to secondary and post-secondary educational organizations. Studio 5000 Logix Designer software for A-B CompactLogix PLC's to allow off-line/on-line programming of ladder diagrams. For PC requirements, see amatrol.com/support. Includes: (1) Seat License.	\$820.00	\$3,280.00
1	INST2	On Site Installation & Product Orientation Maximum 2 Days On Site KES requires written site readiness confirmation prior to installation. The technician shall assemble, connect and ready the system for use. The customer shall be expected to supply all utilities and connections to the machines; truck unloading, uncrating and location of all shipments to room where system is to be set up; and assistance to the KES technician, when necessary, for lifting of equipment. IF needed, the customer shall be required to provide local network access, passcodes, etc or to have the school IT manager present. Does not include installation or configuration of non KES supplied equipment, electrical work, removal or relocation of existing Non-KES equipment/ furniture, or removal of packaging debris.	\$3,000.00	\$3,000.00

Sub Total	\$319,824.00
Estimated Freight	\$12,672.96
Delivered Cost	\$332,496.96

College of Southern Nevada
Quotation for Amatrol Skill Boss Logistics

October 5, 2022

Qty	Item	Description	Unit Cost	Total
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DUE TO COVID AND CURRENT GLOBAL SHIPPING AND SUPPLY CHAIN CONDITIONS, ESTIMATED SHIP DATES AND FREIGHT COSTS ARE SUBJECT TO CHANGE.

Make Purchase Orders out to:

Klein Educational Systems, Inc.

2851 Spafford Street Davis, CA 95618 Toll Free: 800-698-3249

Fax Purchase orders to: **888-503-3108** or email to debra@kleineducational.com

Prices Valid for 30 Days Terms Net 30 Days Estimated Delivery TBD



WINN Project Pre-Application

College of Southern Nevada Logistics Automation & Integration Technician (LAIT) Training Program

Training and Certifications

Proposal for:

Logistics Automation and Integration Technician (LAIT)

Certifications-MSSC/CTSCA, SMRP CMRT, PMMI, NC3

Training and Certification

Discussion-

CSN currently offers courses that are directly related to many of the skills needed for logistics automation and integration technicians and repairmen. The existing courses, namely IS 100B Core Computing Competency or IS 101 Intro to Information Systems, MT 102 Fundamentals of Electricity, MT 104B Industrial Electricity, MT 106B Mechanical Power Transmission, MT 108B Fluid Power, CONS 120B Construction Plans and Specifications, MT 115B Industrial and Materials Handling Automation, and MT 116B Advanced Automation with Robotics, could be used without modifications to content and delivery as a pathway to the MSSC (Manufacturing Skills Standards Council) CTSCA (Certified Technician Supply Chain Automation) certification. There are a few certifications available that are pertinent to this course of study:

- MSSC CTSCA- (**M**anufacturing **S**kills **S**tandards **C**ouncil/**C**ertified **T**echnician for **S**upply **C**hain **A**utomation) Targeted certification for Logistics Automation Technicians. Not sure of price for cert tests.
- SMRP CMRT-(**S**ociety for **M**aintenance and **R**eliability **P**rofessionals/**C**ertified **M**aintenance and **R**eliability **T**echnician) Certifications are \$250 member price and \$300 non-member. These certifications are related to, but not specifically for Logistics.
- PMMI- (**P**acking **M**achinery **M**anufacturers **I**nstitute) Mechatronics certification. Many companies value this certification. These certifications are related to, but not specifically for Logistics.
- NC3 Certifications- There are no specific Logistics certifications like MSSC CTSCA, but general maintenance technician certs.

There will most likely be an added capstone course, and other possibly other courses developed (or modified) to bring together all the content of our existing courses as they apply to the logistics certification. In addition to the certification, CSN will work with local logistics companies to do on the job training or some form of work-based learning. This pathway to the new certification (MSSC, SMRP, PMMI or NC3), or possibly a new SC, CA, and AAS, which would be like the current Advanced Manufacturing-Automation SC, CA, and AAS.

Training spaces-

Since many of the courses needed for a logistic automation certificate or degree exist, there may be little, to no additional lab space required to offer the LAIT courses. If the program is granted the purchase of equipment suggested, some possible modification may be needed regarding electrical and compressed air.

Having a large warehouse space should not be necessary. All lab exercises can be done on a much smaller scale using simulation and trainers.



MANUFACTURING
SKILL STANDARDS
COUNCIL

“Certifying the Industrial Athlete of the Future”



Certified Technician – Supply Chain Automation (CTSCA)

In collaboration with
Material Handling Industry - MHI



2020 Edition

Manufacturing Skill Standards Council

901 N Washington St

Suite 600

Alexandria, VA 22314

www.msscusa.org

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Background

These Standards are the foundation for a Manufacturing Skill Standards Council (MSSC) certification and instructional program for Certified Technician in Supply Chain Automation (CTSCA). This industry standards-based certification for this new occupation is based upon a definition of "supply chain technician" developed by the National Center for Supply Chain Automation: *a person who installs, operates, supports, upgrades or maintains the automated material handling equipment and systems which supports the supply chain.*

The certification system based on these CTSCA Standards includes eLearning courseware and instructor training offered by Amatrol, assessments, credentials, and registry. Most importantly it now includes a new, highly innovative "Skill Boss Logistics" hands-on training and testing device invented by Amatrol. In addition to Amatrol, the other principal participants are the following:

- **Manufacturing Skill Standards Council (MSSC)** – The national leader in developing the first-ever national certification for front-line material handling and distribution, MSSC is also the only national certification body accredited under ISO quality standard 17024 (Personnel Certification) for both manufacturing and logistics.
- **Material Handling Industry (MHI)** – The leading national, non-profit association representing the suppliers of material handling and logistics solutions. MHI validated the standards and played a major role in developing the assessments
- **National Center for Supply Chain Automation** – Funded under a grant from the Advanced Technician Education program of the National Science Foundation, the National Center played a leadership role in proposing the CTSCA certification and recruiting corporate subject matter experts.
- **Material Handling Equipment Distributors Association (MHEDA)** – Played an active role in raising industry awareness of CTSCA.

The Standards for each of these is organized in two parts:

WORK STANDARDS: The key activities and performance indicators that define the specific tasks that certificants need to perform to demonstrate competency.

WORKER STANDARDS: The technical knowledge and skills needed to perform the work.

CTSCA Standards are organized around three *Critical Work Functions*.

1. ***Maintaining Equipment/Systems: EM***
2. ***Installing, Modifying, Troubleshooting and Repairing Equipment/Systems: ER***
3. ***Installing, Modifying, Troubleshooting, and Repairing Basic Controllers & Networks: NR***

MSSC will issue an industry-recognized, nationally portable Certification to individuals who achieve success in both written and hands-on assessments in each of these three critical work functions.

[If you are interested in obtaining a complete list of the CT-SCA standards, email info@msscusa.org](mailto:info@msscusa.org)

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CTSCA WORK Standards
MAINTAINING EQUIPMENT/SYSTEMS
Key Activities

1. Implement and Remove Equipment/System Safety Protocols
2. Identify and operate major automated equipment/systems
3. Monitor machine/system operation
4. Ensure key parts and components are available in inventory
5. Implement preventive maintenance
6. Perform preventive maintenance
7. Establish monitoring and maintenance schedule for equipment/lubricant condition
8. Safely use hand tools to maintain equipment
9. Communicate with co-workers to promote productivity
10. Perform technical and administrative duties

CTSCA WORK Standards
INSTALLING, MODIFYING, TROUBLESHOOTING AND REPAIRING EQUIPMENT/SYSTEMS
Key Activities

1. Troubleshoot machine / mechanical system / electrical system failure
2. Prepare for repair
3. Repair machine / mechanical system / electrical system failure
4. Install, Move, or Remove equipment

CTSCA WORK Standards
INSTALLING, MODIFYING, TROUBLESHOOTING, AND REPAIRING
BASIC CONTROLLERS AND NETWORKS
Key Activities

1. Install and maintain PLCs and PLC modules
2. Troubleshoot and repair PLCs with discrete I/O PLC modules
3. Modify, troubleshoot or manipulate standard PLC operating programs and test/verify them for correct operation
4. Install, maintain, and troubleshoot PLC systems with variable frequency AC drives
5. Operate and test equipment network system, scanners, and run system applications



Certified Logistics Technician[®] Training & Certification

CLT is a nationally portable, industry-led program that prepares individuals for front-line material handling and supply chain logistics jobs in fulfillment centers, warehouses, distribution centers, and factories. This online training program includes a stackable certification for employees with the 21st Century, in-demand skills needed for long-term career paths in over 6.2 million supply chain logistics jobs.

CLT is delivered and customized locally through over 2,000 MSSC Authorized Assessment Centers with a national network of 3250 MSSC-trained instructors, mostly at colleges and secondary schools, in all 50 states.

- Available nationwide
- Nationally accredited
- Federally recognized
- Always up to date
- Time and cost-effective for students
- Articulates between high schools and colleges
- Easily integrated into apprenticeships and internships
- Customizable at the community level
- Improved employee performance and retention
- Reduces recruitment and training cost

Learn more at www.msscusa.org/certification

About the Manufacturing Skill Standards Council

The Manufacturing Skill Standards Council, a 501(c)3 non-profit, is an industry-led training, assessment, and certification system focused on the core skills and knowledge needed by the nation's front-line production and material handling workers. MSSC, the only ISO Standard 17024 certified program covering entry-level to basic front line supervisor skills, is nationally recognized, federally endorsed, and has been vetted by the U.S. Departments of Labor, Education, Justice, VA, and Jobs Corps.

MSSC[™]

info@msscusa.org
703-739-9000
901 N Washington St. Suite 600
Alexandria, VA 22314
www.msscusa.org

Certifications

MSSC has two optional training courses which combine interactive, online training with instructor-led material to help individuals learn the basic skills and knowledge required for material handling jobs that will prepare them for certification and their career.



Foundation-level Certified Logistics Associate

- The World of Logistics and the Global Supply Chain
- The Logistics Environment
- Information Systems
- The 4.0 Technologies
- Safety Principles
- Safe Material Handling and Equipment Operation
- Quality Control Principles
- Work Communication
- Teamwork and Good Workplace Conduct to Solve Problems



Mid-level Certified Logistics Technician

- Product Receiving
- Product Storage
- Order Processing
- Packaging and Shipping
- Inventory Control
- Safe Handling of Hazardous Materials
- Evaluation of Transportation Modes (Truck, Air, Rail, Water)
- Dispatch and Tracking Operations
- Measuring Weight & Volume

MSSC Launches NEW CLT 4.0 Program

These 4.0 technologies represent the *Fourth Industrial Revolution* which focuses on deepening the impact of digital technologies by making our machines more self-sufficient, able to “talk” to one another, and to consider massive amounts of data in ways that humans simply can’t—all in the name of efficiency and growth.

For warehouse operations, Industry 4.0 technologies help to bridge the gap between what were once separate processes to a more transparent, visible view across the entire organization, with plenty of actionable insights.

- Cybersecurity
- Biometrics
- Autonomous Robots
- Augmented Reality
- Data Analytics
- Remote Learning
- Artificial Intelligence
- 5G
- Industrial Internet of Things (IIOT)

As world trade increases, jobs for frontline material handling personnel in the U.S. are projected to increase by nearly 1 million annually through 2030. In occupations classified by the Bureau of Labor Statistics as “material moving,” there are over 6.2 million jobs, including the following:

- Frontline supervisors of material handling personnel (\$61,080 annual mean wage)
- Conveyor operators (\$41,340 annual mean wage)
- Freight, stock and material movers (\$36,710 annual mean wage)
- Machine feeders and off bearers (\$40,220 annual mean wage)
- Packers and packagers (\$35,800 annual mean wage)
- Tank, car and ship loaders (\$45,660 annual mean wage)
- Truck and delivery drivers (\$45,660 annual mean wage)

Learn more at www.msscusa.org/certification