



# NEVADA'S WORKING CAPITAL

**Grant Cycle:**  
July 1, 2015 - June 30, 2016

*Nevada's Working Capital - getting to work and working to get good jobs, a shared responsibility.*

**Grant Awarded By:**

Nevada State Library, Archives and Public Records  
Institute of Museum and Library Services



Carson City Library  
Your Knowledge & Discovery Place



For opportunities to further sponsor scholarships or lab supplies throughout 2015-2016 please contact:  
Sena Loyd, Carson City Library Director, 775-887-2244,  
sloyd@carson.org

# NEVADA'S WORKING CAPITAL

~ getting to work and working to get good jobs, a shared responsibility.

## CARSON CITY LIBRARY OPPORTUNITIES

**Manufacturing Technician 1** - The MT1 certificate program is the premiere industry-wide technical skills assessment, training and certification system for all production and production-support occupations for all sectors of manufacturing and includes two levels of certification: MT1 and Manufacturing Specialist (MS). The MT1 and MS certifications are portable and stackable industry credentials. The certifications have been third-party validated and are included in the NAM-endorsed National Skills Certification System. The MT1 test is completely computer based. To participate you must be proficient in the following: Mouse, Keyboard, Browser Access and Navigation, Email Use, Word Processing  
\* Certification cost is \$300.\*\*Scholarship recipients must qualify and volunteer minimum of 30 hours during the program. If this is not met, they will owe the \$300 certification testing fee.

**SolidWorks Basics / Specialized SolidWorks** - Learning opportunities and an access point for patrons to gain additional practice with specialized engineering software (SolidWorks and SolidCam), particularly helpful to existing manufacturers who want more for employees that is not necessarily for college credit, but is practice-based and off the clock. If you a manufacturer looking for specific training opportunities please contact our SolidWorks Specialist.

**Boiler** - Leverages technology and special programs to expose patrons to design and experimentation, fostering focused but informal STEM learning and exposure to 3D printing.

## WESTERN NEVADA COLLEGE OPPORTUNITIES

**Embedded Manufacturing Technician 1** - The MT1 certificate program is the premiere industry-wide technical skills assessment, training and certification system for all production and production-support occupations for all sectors of manufacturing and includes two levels of certification: MT1 and Manufacturing Specialist (MS). The MT1 and MS certifications are portable and stackable industry credentials. The certifications have been third-party validated and are included in the NAM-endorsed National Skills Certification System. The MT1 test is completely computer based. To participate you must be proficient in the following: Mouse, Keyboard, Browser Access and Navigation, Email Use, Word Processing.

### *Manufacturing Technician*

Prepares students for the Manufacturing Skills Institute Manufacturing Technician 1 (MT1) exam with technical knowledge and practice activities.

**AIT 101** Fundamentals of Applied Industrial Technology - 4 Units

**AIT 155** Applied Industrial Technology Hands-on labs - 3 Units

**AIT 200** Applied Industrial Technology Projects - 3 Units

\* Must take all 3 courses to qualify for MT1 scholarship through Nevada's Working Capital grant. Also included in Carson High School Jump Start Program.

\*\* Certification cost or NWC scholarships do not include fees and tuition to WNC for the above classes.

# Manufacturing Technician 1 - MT1 Modules

**Math and Measurement Modules** - These courses will assist the student in learning how to evaluate basic algebraic expressions and utilize industry tools to accurately measure critical process variables. The student will also learn how to apply mathematical formulas to convert units and develop mathematical relationships to solve for the unknown.

**Spatial Reasoning and Manufacturing Technology Modules** - These courses will expose the student to the critical areas of manufacturing and the applied technology principals that support the process. The module includes courses on: spatial reasoning, mechanics, fluid power and thermodynamics, electricity, chemistry, and manufacturing processes & controls.

**Quality and Business Acumen Modules** - These courses are designed to describe the critical elements of developing a lean culture in manufacturing. Upon completion of these courses the student will be able to apply a scientific problem solving method in addressing constraints in manufacturing and as well as identify continuous improvement opportunities leading to bottom-line savings.

*Additional to MSI MT1 Program at Carson City Library:*

**Personal Presentation Module** - Introduces skills for presenting yourself, job interviews, resume building, ePortfolio and LinkedIn.

**Brush Up on Computer Skills** - The MT1 test is completely computer based. To participate you must be proficient in the following: Mouse, Keyboard, Browser Access and Navigation, Email Use, Word Processing. Resources available at the Carson City Library include beginning computer classes and video tutorials from Lynda.com.

[www.NevadasWorkingCapital.com](http://www.NevadasWorkingCapital.com)

### Carson City Library

MT1 - Sena Loyd, Library Director, sloyd@carson.org

SolidWorks - Jim Klipp, Specialist, jim.klipp@yahoo.com

Boiler - Molly Walt, Digitarium Facilitator, mrwalt@clan.lib.nv.us

### Western Nevada College

MT1 - Emily Howarth, Professor, emily.howarth@wnc.edu

**NEXT START @ CARSON CITY LIBRARY:**

**FAST TRACK -**

**OCTOBER 25th - JANUARY 31st  
SUNDAY 9am-5pm**