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MSI Announces Asynchronous MT1 Credential Utilizing Virtual Reality

Virtual reality and 3D interactive training enhancements are used to provide career on-ramps via short-term industry credentials through distance learning, to reskill and upskill folks for in-demand jobs within manufacturing industries.

RICHMOND, VA – The Manufacturing Skills Institute (MSI), through its affiliation with Project Sandi provides virtual reality and digitally interactive 3D Science Technology Engineering Math (STEM) education materials in these specific manufacturing career pathways. The content is oriented to those who have a particular STEM interest, or whose interest is waiting to be sparked. Digital tools are for broad use by multiple levels (high school, college, adult), and include many topics or disciplines relative to middle and higher-level STEM.

On June 26, 2023, MSI will launch this program with a class using the Nevada Library System, which will lend their students VR headsets with built-in MT1 Action Learning Lab™ materials. MSI is accomplishing this through Project Sandi, which is using a \$13.8M Reimagine Workforce Preparation (RQP) out of the CARES Act Education Stabilization Fund, to provide resources for supporting and advancing Nevada's Dislocated Individuals. These events will use VR technology through libraries, One-Stops, Community Colleges, and NGO locations to spark curiosity and interest in Nevada's In-demand sectors.

MSI will be facilitating 10 cohorts a year using remote technology to provide credentials for disadvantaged communities in the highest needs of workforce development and retraining.

Asynchronous training takes place multiple times a year, more frequently than on a semester basis. Its cohorts are designed to be available as remote learning accessible multiple times during the month for access to the same training materials.

Virtual reality and 3D interactive training enhancements are used to provide career on-ramps via short-term industry credentials through distance learning, to reskill and upskill folks for in-demand jobs within manufacturing industries.

The Manufacturing Technician Level 1 (MT1) Credential was developed to meet the growing employment demands of the manufacturing industry. The MT1 program addresses the core industry-wide skills standards required for skilled production occupations in all sectors of manufacturing.

The purpose of the MT1 Credential is to document individuals' mastery of the critical competencies required for modern manufacturing production and production-related occupations.

The core competency areas certified by the MT1 used for Asynchronous Training are:

- Part One – Math and Measurement
- Part Two – Spatial Reasoning and Manufacturing Technology
- Part Three – Quality and Business Acumen

With this credential, individuals may apply for advanced standing credit in select degree programs at participating colleges and universities to receive up to six (6) college credits. Advanced standing credit may be used to establish Transfer Credits to other accredited 2- and 4-year colleges and universities.

Academic partners interested in implementing the MT1 utilizing the Asynchronous Training in conjunction with their credential training can contact MSI at training@manufacturingskillsinstitute.org for more information.

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About the MSI

The Manufacturing Skills Institute (MSI) provides relevant education and skills training for careers in advanced manufacturing by offering world-class training programs delivered by MSI and MSI education partner institutions. Through the partnership between industry and education, employers set the skill standards for MSI program offerings anywhere offered to ensure learning is linked to employment and career advancement opportunities. Employer-specific customized training can be provided onsite or at any MSI education partner location. Working learners advance their manufacturing technology knowledge and skills via OJT classes, classroom-based and online training offered by MSI and education partner faculty grounded in real world experience. For more information about MSI, visit www.manufacturingskillsinstitute.org.