

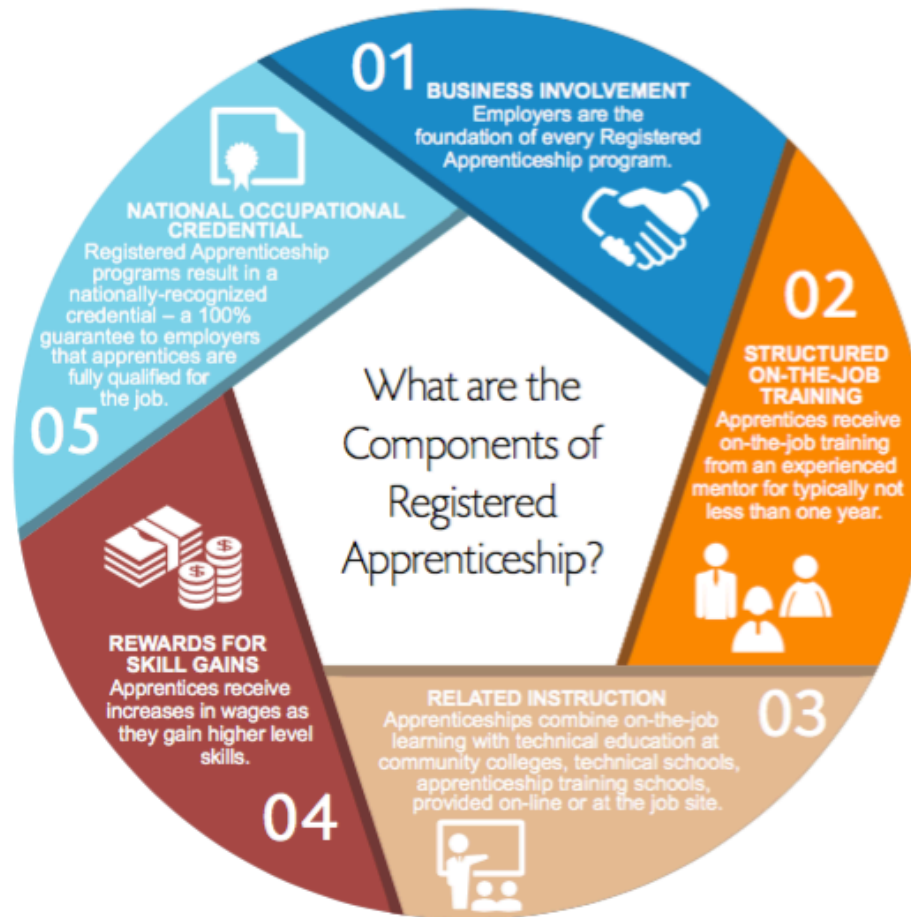


CareerWise Colorado
Tomorrow's Talent Today

Registered Apprenticeship & Funding Opportunities
March 2017



Registered Apprenticeship Overview

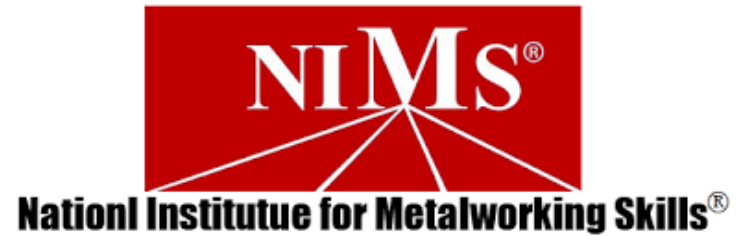


Benefits of Registration

U.S. DOL Certificate of Completion



Funding Opportunities



Additional College Credit



NIMS Funding Opportunity

The National Institute for Metalworking Skills (NIMS) received a \$7.3 million grant from the US DOL to expand the use of Registered Apprenticeship in the manufacturing sector.



Program Details:

- \$500,000 in funding is available to cover related instruction costs
- \$1,500 is available per apprentice
- All manufacturers are eligible, not just metal working companies
- First come, first serve; not a competitive grant
- Programs must be registered and active by September 2017 for consideration

Registered Apprenticeship Overview

Program Element	Options
Duration	1 to 6 years, dependent on the occupation
Related Instruction Options	Universities, Community Colleges, online courses, instruction at the jobsite
Training Models	Traditional, Front-Loaded, and Segmented
Wage Progression Models	Time-based, Competency-based, & Hybrid approach
Supervision	Apprentices are matched with a veteran employee who supervises the on-the-job training and provides mentorship.

Registration Process

1. Select occupation
2. Develop plans for:
 - On-the-job training
 - Related instruction
 - Wage progression
3. Develop Standards of Apprenticeship
4. Submit Standards of Apprenticeship to US DOL
5. Receive program approval from US DOL
6. Hire apprentices

Standards of Apprenticeship

STANDARDS OF APPRENTICESHIP

DEVELOPED BY

 **MIKRON**
Mikron Corporation Denver
8100 S. Potomac St
Englewood, Colorado 80112
Phone: 303-364-5222

FOR THE OCCUPATION OF

**Mechanical Technician
(Automated Equipment Engineer-Technician)**

O*NET-SOC CODE: 49-9044.00
RAPIDS CODE: 0821

APPROVED BY:

**U. S. DEPARTMENT OF LABOR
OFFICE OF APPRENTICESHIP**


Cynthia S. McLain, Colorado State Director

May 27, 2016
Registration Date

C0003163465
Registration Number

The legal requirements related to apprenticeship that apply to registered apprenticeship programs are contained in 29 U.S.C. 50 and Title 29, CFR parts 29 and 30. Every effort has been made to ensure that the information in these apprenticeship standards is accurate and up-to-date.

Standards of Apprenticeship

TRADE SCHEDULE FOR Mechanical Technician (Automated Equipment Engineer-Technician)

Work Processes	Approximate Hours
• Receive parts from Logistics in order to assemble machinery following standard procedure	400
• Accurate mechanical build and installation of stations per design	3,000
• Alignment of the machine and conveyor circuit	300
• Wiring and plumbing of the machine per company's standards	1,200
• Pre-align stations with guidance from Debug Leader or Designee	1,600
• Install and change mechanical cams	100
• Run machine during debug with guidance from Debug Leader or designee	900
• Install safety guarding	500
TOTAL HOURS	8000

APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate of \$25.00 per hour

	1	2	3	4	5	6	7	8	Completion
Periods	1000 hours	1000 hours	1000 hours	1000 hours	1000 hours	1000 hours	1000 hours	1000 hours	8000 hours
	50%	55%	60%	65%	70%	80%	85%	90%	100% of \$25.00 per hour

RELATED TECHNICAL INSTRUCTION OUTLINE FOR APPRENTICES

Occupation Title: Mechanical Technician (Automated Equipment Engineer-Technician)

O*NET-SOC CODE: 49-9044.00
RAPIDS CODE: 0821

The following is a course outline of the related instruction in theory and technical subjects for apprentices.

CURRICULUM SOURCE

Community College of Denver (CCD): CNC Management AAS Degree

CNC Management AAS Degree

This program prepares students with the entry level skills necessary to perform tasks of developing 3D programming to operate a Computer Numerical Controlled (CNC) machining center and management of manufacturing processes.

Plan of Study Grid

	First Semester	Credits
MAC 100	Machine Shop Safety	1
MAC 101	Introduction to Machine Shop	3
MAC 102	Print Reading for Machinists	3
MAC 110	Introduction to Engine Lathe	3
MAC 120	Introduction to Milling Machine	3
MAT 108	Technical Mathematics	4
	Subtotal	17
	Second Semester	
CAD 101	Computer Aided Drafting I	3
CIS 118	Introduction to PC Applications	3
ENG 121 or ENG 131	English Composition I : GT-CO1 Technical Writing I	3
MAC 111	Intermediate Engine Lathe	3
MAC 121	Intermediate Milling Machine	3
	Subtotal	15

RA Program Sponsor

Our Responsibilities:

1. Prepare Standards of Apprenticeship
2. Ensure employers fully understand the requirements of participating in a Registered Apprenticeship program
3. Maintain program data in DOL's Learning Management System (RAPIDS)
4. Comply with DOL requests for information
5. Comply with DOL audits (one audit in the year following program registration and one audit every 3-5 years thereafter)

Your Responsibilities

1. Review Standards of Apprenticeship and Sign Acceptance Agreement
2. Provide periodic updates to CareerWise on wages, OJT progress, related instruction progress so that we can update RAPIDS system
3. Comply with DOL visits and interviews