

Rogue Community College (Medford/White City)
Overview of Manufacturing-Related Programs and Career Pathways

Point(s) of Contact	Jeannie Howell, Assoc. Dean Workforce Trng., 541-245-7909, jhowell@rogucecc.edu Serena St. Clair, Pathways/Articulation Coord., 541-245-7711, sstclair@rogucecc.edu
Overview of Manufacturing Program(s)	Rogue offers several primary manufacturing related programs: AS degree articulated with OIT Manufacturing/Engineering Tech bachelor's Degree; Manufacturing/Engineering Technology (AAS); Welding Tech (AAS/Cert), Microelectronics (Cert) and CNC Technician (Cert). The CNC program is operated under an open-entry/open-exit format offering more than 20 courses simultaneously through a combination of small group instruction and lab activity. The microelectronics program has a unique component in that one class is all high school students whose tuition is paid by a local foundation, with successful completers earning a full year of college credit.
Approach to Pathways/ Focus of Pathways Grant	The focus of Career Pathways Certificate has been on development of a 25 credit CNC Operator as a pathway to CNC Technician, then to the AAS Degree.
Challenges	<ul style="list-style-type: none"> ▪ Pathway development has relied on grant funding and the ability to pull individuals away from existing duties to complete pathway goals. Southern Oregon Regional Economic Development Inc. (SOREDI) has been supportive with grant funds over the past years to develop the manufacturing pathway. ▪ Funding limitations, lack of department buy in and low enrollments have prevented development of a college wide system. ▪ Employers need more support to change culture and begin to see ongoing training and skills upgrade training as an investment as opposed to a cost.
Opportunities	<ul style="list-style-type: none"> ▪ The Manufacturing Pathway development has strengthened RCC relationship with area businesses and resulted in a Business/Industry Advisory Committee that is very supportive of the pathway model. ▪ Pathways have also served as a framework to help foster partnerships among the college, high schools, economic development, and the Job Council.
Relationship with Secondary Schools re Manufacturing	The high school connection is building momentum through the work of the RCC, SOREDI (So.OR Regional Economic Develop. Inc., Rogue Valley Workforce Dev. Council, and the Educational Service District. Together we are sponsoring industry tours in manufacturing for high school students. Several high schools are sending students directly to RCC to take manufacturing/CNC classes. Perkins requirements to develop Programs of Study are helping to align high school curriculum to manufacturing pathways by providing the framework to engage high school curriculum coordinators and administrators in the dialogue.
Relationship with WIB and/or Apprenticeship	Rogue has an active apprenticeship program and has been actively involved in the restructuring at the state level. Issues related to ratios impact several programs, particularly millwright. The WIB, SOREDI and the Southern Oregon High Performance Enterprise Consortium are all key players in setting a demand-driven workforce agenda for the region, with the college positioned to play a key role on the provider side. Challenges identified above will need to be addressed.
Relationship with Universities re Manufacturing	Strong relationship and articulation with Oregon Institute of Technology relative to Manufacturing/Engineering Technology.

Manufacturing-Related Pathways Focus (MP) Other Manufacturing-Related Offerings (M)

HS/Perkins Linkages	ABE/ VESL	Pre-Apprentice	Pathways (12-44 hours)	Certificates (45 hours)	Two-Year Degrees	Apprenticeship
MP	MP		MP	MP	MP	M