

Lane Community College (Eugene)
Summary of Manufacturing-Related Programs and Career Pathways

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Overview of Manufacturing Program(s)	Lane currently offers numerous manufacturing related programs at the one-year certificate and two-year AAS degree level as part of its Advanced Technology Division, including: Aviation Maintenance Technician, Diesel Technician, Drafting, Electronic Tech, Fabrication/Welding Tech, and Manufacturing (Machining) Tech. Lane’s Business Development Center is also actively involved in supporting regional manufacturers through customized training in a variety of need areas ranging from basic, technical and supervisory skills to process improvement and compliance conformance.
Approach to Pathways/ Focus of Pathways Grant	To date, Lane has focused its career pathways development in other industry sectors and has not as yet developed career pathways certificates in manufacturing related programs. However, Lane is participating in the OPABDE pilots and is focusing on developing applied math in a manufacturing environment.
Challenges	<ul style="list-style-type: none"> ▪ Wood products and transportation equipment manufacturing (recreational vehicles), both challenged in the current economy, comprise roughly 50% of the employer base, with electronics and machine shops also key employers. ▪ Manufacturing is not viewed as a positive career opportunity in the region. ▪ A differential tuition rate for high cost manufacturing-related programs may be negatively impacting enrollments. ▪ Expansion of the capacity in manufacturing is dependent upon additional faculty and \$ for R&D i.e., program design, curriculum development, etc.)
Opportunities	<ul style="list-style-type: none"> ▪ Oregon Employment Department projects Lane County manufacturers will need 700 new workers and 5,000 replacement workers by 2016. ▪ A recent survey by the Lane Workforce Partnership found that 87% of local manufacturers report shortages in skilled production workers.
Relationship with Secondary Schools re Manufacturing	Lane is interested in establishing stronger linkages with high schools to promote career opportunities in manufacturing and clean tech. Several labs have available space on weekdays that could be used for secondary CTE, but students, counselors and parents need information about positive benefits.
Relationship with WIB and/or Apprenticeship	Lane has strong relationship with the Lane Workforce Partnership, and works closely with them to support the RV Consortium through a non-credit Electrical Skills Training Program funded through an Employer Worker Training Fund. The college is also a partner in the recent \$275,000 grant awarded the Partnership to create a demand-driven “pull” system with area employers, develop competency standards for CNC operator, and create an outreach campaign focused on high-demand occupations and skill sets. In terms of apprenticeship, the college offers Manufacturing Plant Electricians and Millwrights, but has concerns about ratio issues that impact enrollments.

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
				M	M	M