

Linn-Benton Community College (Albany)
Overview of Manufacturing-Related Programs and Career Pathways

Point(s) of Contact	Fred Haynes, Dean, Engineering and Industrial Technology, 541-917-4589, Fred.Haynes@linnbenton.edu
Overview of Manufacturing Program(s)	Linn-Benton offers a range of manufacturing-related program offerings, including AAS Degrees in Drafting and Welding, and certificate level programs in Welding and Machining Tool, which is slated to be expanded to an AAS degree in the near future. Its newest program offering is Mechatronics/Industrial Maintenance, a 101 credit AAS degree that produces skilled workers that are “cross-trained” in computer science, electronics, mechanical design and hydraulics. Special emphasis is given to programmable logic controllers (PLCs), which drive production processes in all industries.
Approach to Pathways/ Focus of Pathways Grant	CNC Machinist is the only current manufacturing-related career pathway at Linn-Benton. Classes are offered in the evenings primarily to incumbent workers.
Challenges	<ul style="list-style-type: none"> ▪ Staying current with the demands of the modern manufacturing workplace ▪ Ensuring that Pathway Certificates are truly connected to the skills required for jobs in the 21st century manufacturing workplace
Opportunities	<ul style="list-style-type: none"> ▪ Development of new programs that are aligned with employer requirements, e.g., mechatronics ▪ Organic development of “specializations” that are emerging at various colleges across the state ▪ Exploring the possibility of nonconventional statewide degree programs whereby a common core curriculum at the “feeder” campus can prepare students to complete year two requirements via non-traditional models, e.g., six concentrated weekends of lab/hands-on activity and instruction.
Relationship with Secondary Schools re Manufacturing	The Division of Engineering and Industrial Technology is launching efforts to reach out to area high schools to promote its programs and career opportunities available in manufacturing. The Mechatronics Career Day, held in late May, is an example of marketing this cross-cutting, high-tech career to area high school students.
Relationship with WIB and/or Apprenticeship	LBCC hosts Apprenticeship programs for Manufacturing Plant Electrician, LME, Pipefitters, and Millwrights, including Code classes. The college works collaboratively with the local WIB to deliver incumbent worker training in all of its Career and Technical Education offerings.
Relationship with Universities re Manufacturing	Linn-Benton offers the Manufacturing Technology pre-engineering program articulated with the Oregon Institute of 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
M			MP	M	M	M