



The Pre-Trades for Advanced Manufacturing program at Portland Community College (PCC) is a less than one-year certificate designed to prepare job seekers with the skills and hands-on experience to pursue industry-driven training for a career in the manufacturing trades.

This 16-credit certificate can be earned in 11 weeks and will provide you with the foundations in safety and math, an OSHA-30 certification, and hands-on exposure in welding, machining, and Programmable Logic Controllers (PLCs). Credits earned in the program are a stackable credential and count toward additional PCC certificates and degrees in the industrial trades.

#### Program Goals

1. Provide orientation to career opportunities in advanced manufacturing (welding, machining, and advanced manufacturing), including industry expectations, academic and career pathways, and future wages.
2. Support participants in acquiring skills sought by local employers—particularly employability skills—for entry into an OMIC apprenticeship, entry level job, or other PCC training pathway.
3. Deliver industry-recognized credentials into the curriculum (OSHA-30).
4. Provide hands-on learning opportunities to expose students to equipment, techniques, and professional expectations.
5. Design instruction and training to reach underserved populations and incorporate wrap around support services and strategies to identify and overcome barriers.
6. Work with the OID JATC to obtain a commitment to consider interviewing students that complete the pre-apprenticeship program.

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Please see a sample schedule below of how the schedule looks for the Pre-Trades for Advanced Manufacturing Certificate at the PCC OMIC Training Center:

<b>PCC OMIC Training Center Winter Term</b>				
<b>Course</b>	<b>Lead Dept.</b>	<b>Credits</b>	<b>Days</b>	<b>Time</b>
APR 162, Calculations for the Trades*	App & Trades	4	M	5:30pm to 9:20pm
APR 200B, OSHA 30	App & Trades	3	T	1pm to 4pm
WLD 190B, Basic Welding Practice	WLD	2	M-F (1/10 - 1/21)	8am to 12pm
MCH 121, Manufacturing Processes I	MMT	5	M-F (1/24 - 2/25)	8am to 12pm
ELT 125, Basic PLC	App & Trades	2	M-F (2/28-3/11)	8am to 12pm