

# Manufacturing and The Future of Work

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**Advanced Manufacturing  
Has Arrived**

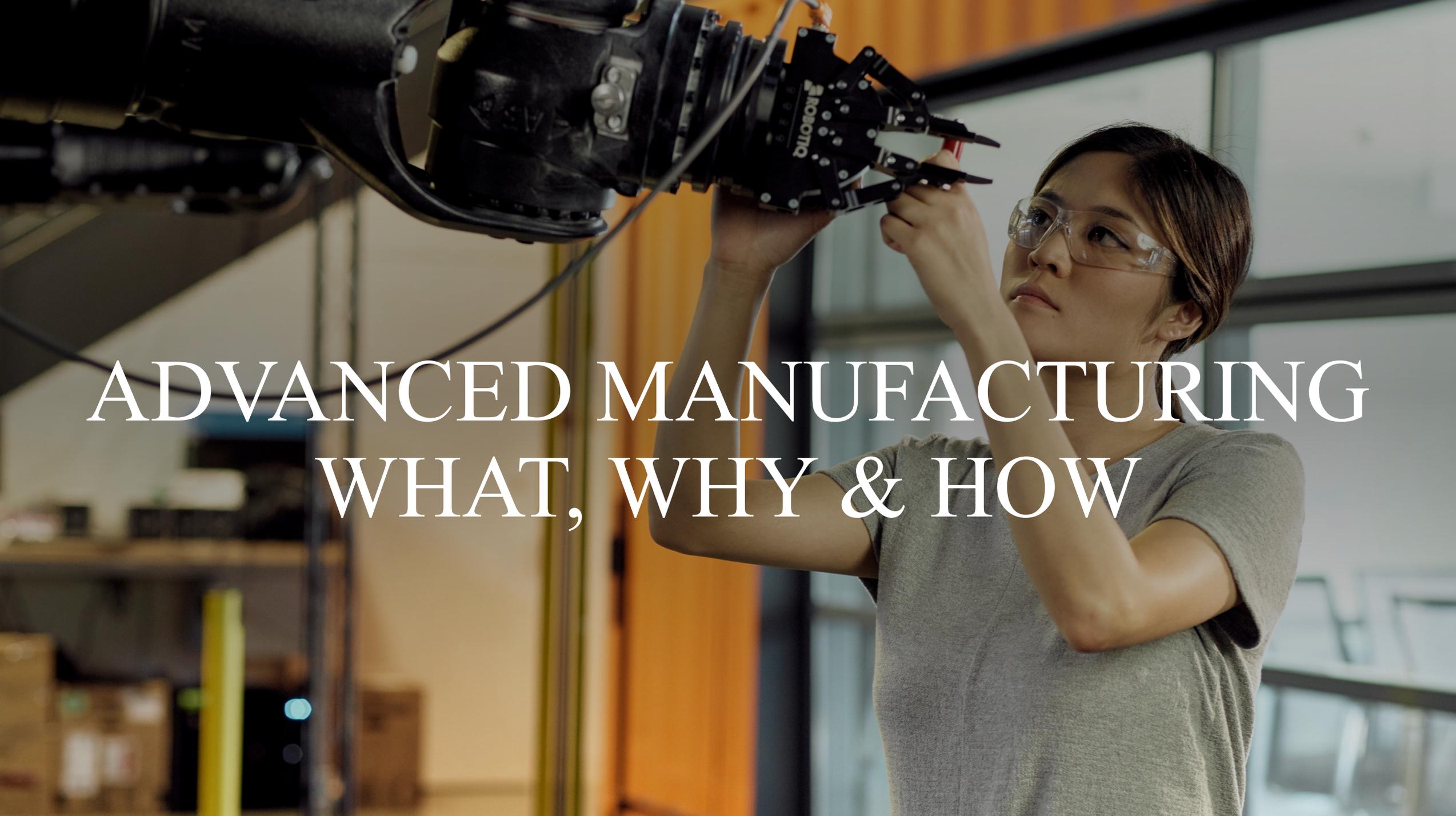


**Facilitate Education &  
Learning for the Individual**



**Encourage Businesses to Invest  
in Human Capital**

**Industry + Workers + Government + Academia**



# ADVANCED MANUFACTURING WHAT, WHY & HOW

# Drivers of Advanced Manufacturing

## INCREASED DEMAND

400K worldwide  
join the middle class each  
day\*<sup>1</sup>

+

## REDUCED SUPPLY

2.4 Million US Jobs unfilled  
through 2028\*<sup>2</sup>

=

## ADVANCED MANUFACTURING

50% of manufacturing  
businesses have implemented  
automation\*<sup>2</sup>

\*<sup>1</sup>Brookings Global Economy & Development Working Paper 100,  
February 2017

\*<sup>2</sup>2018 Skills Gap in Manufacturing Study, Deloitte

# Advanced Manufacturing Trends



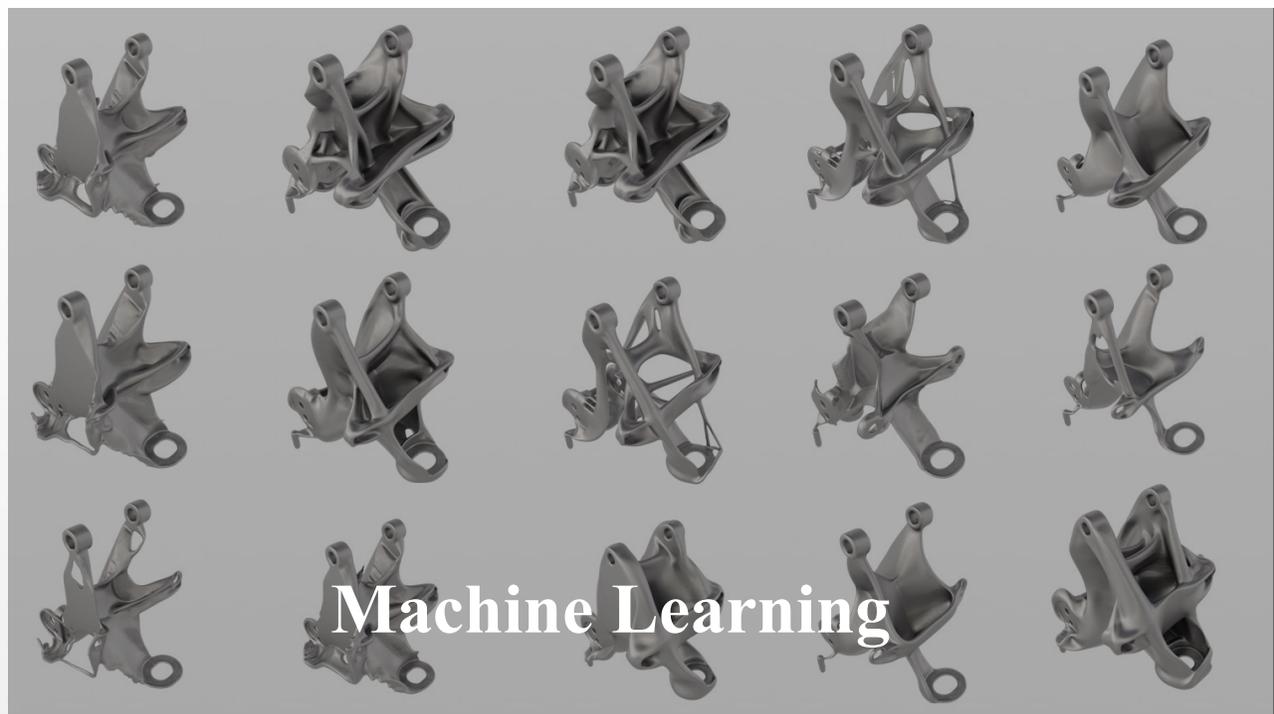
**Manufacturing x Construction**



**Manufacturing On Demand**

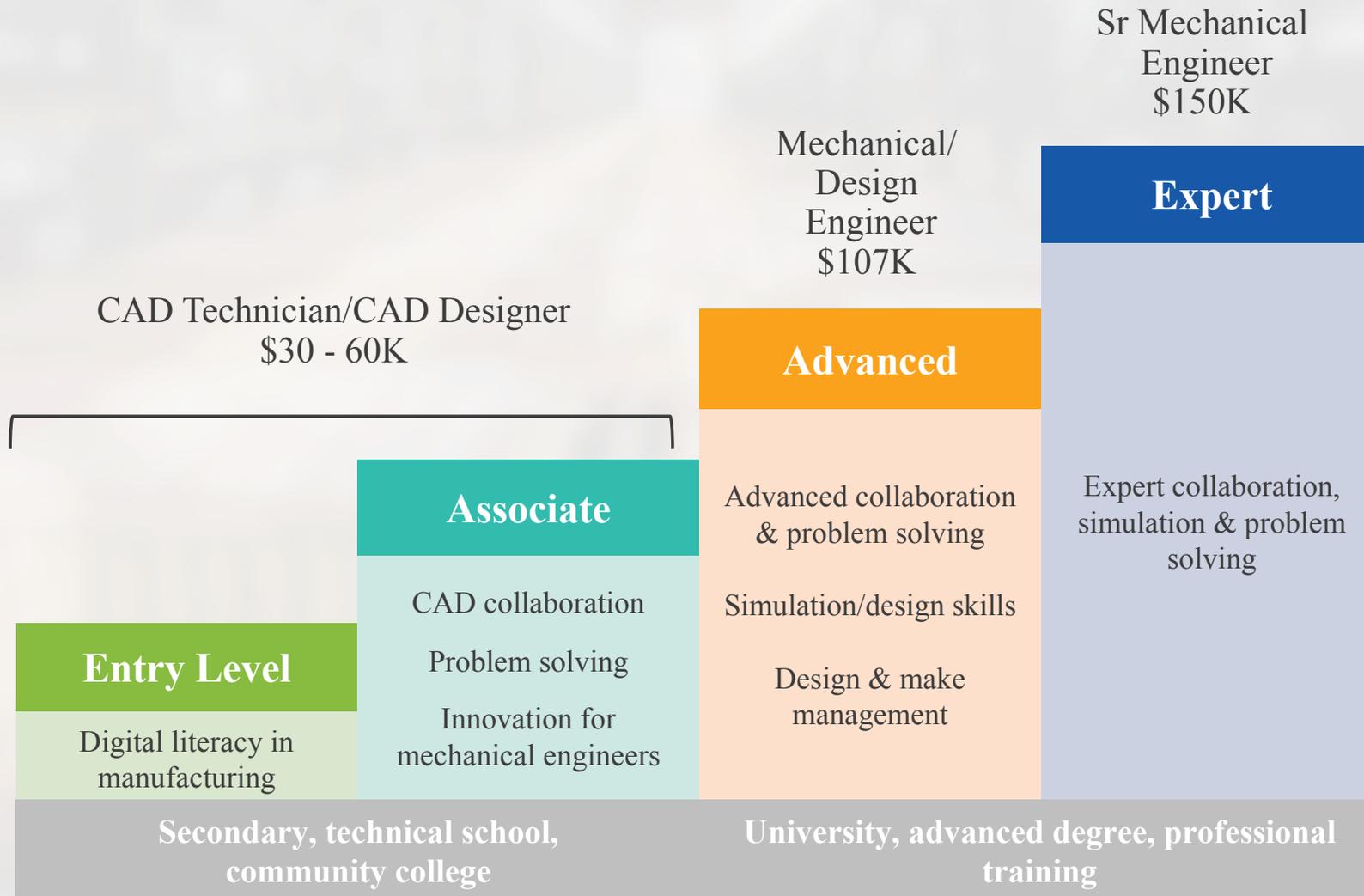


**Manufacturing-as-a Service**

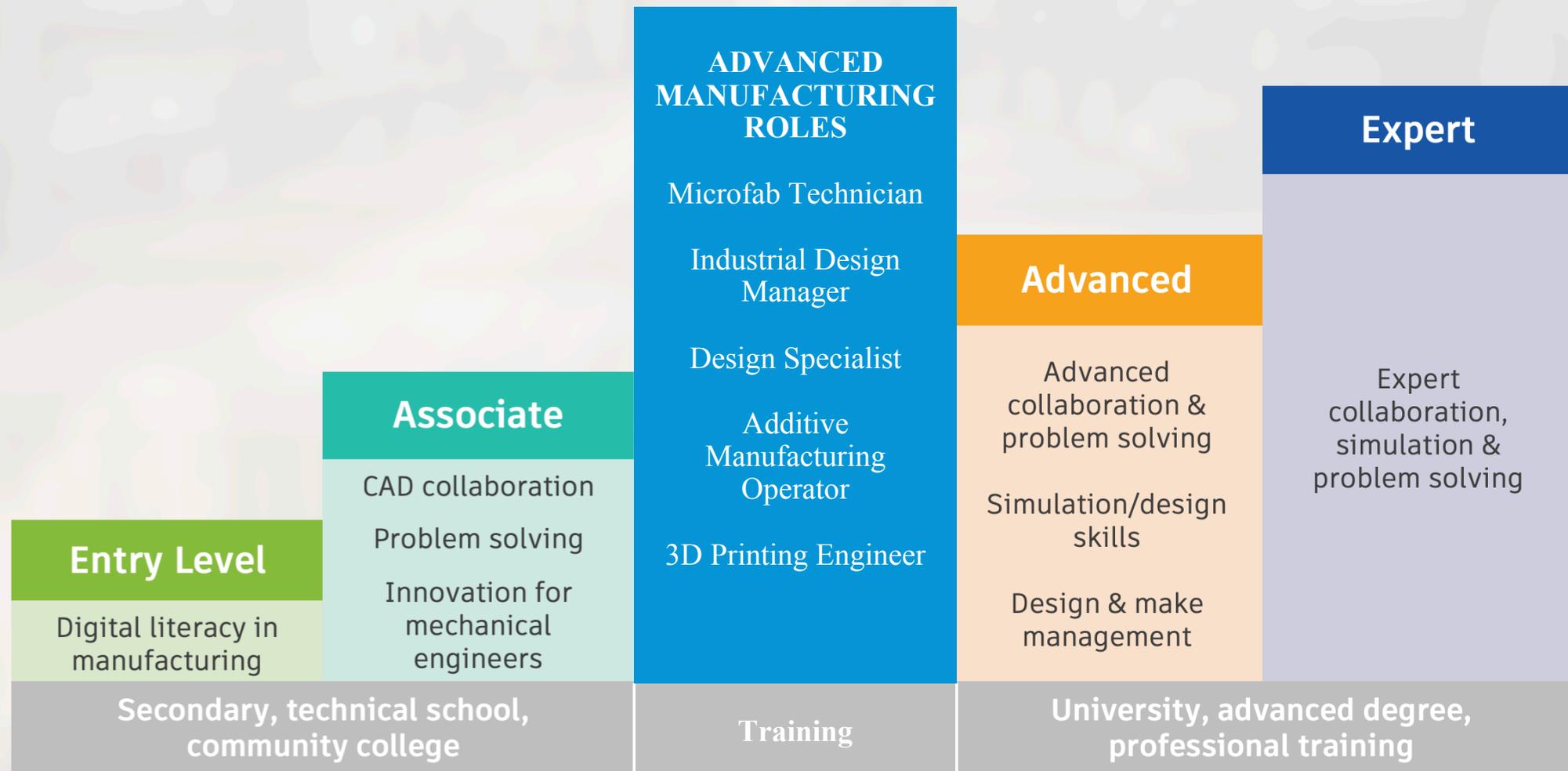


**Machine Learning**

# Job Opportunities in Manufacturing



# Job Opportunities in Manufacturing



A young woman with long, straight blonde hair is looking down and to the right with a focused expression. She is wearing a blue top. The background is blurred, showing other people in a classroom or workshop setting. The text "NEW EDUCATION & LEARNING INITIATIVES" is overlaid in white, serif font across the center of the image.

NEW EDUCATION &  
LEARNING INITIATIVES

# What Can Government do?

MAKE  
LIFELONG  
LEARNING  
ACCESSIBLE  
AND  
AFFORDABLE

ENCOURAGE  
EMPLOYERS  
TO TRAIN  
WORKERS

FACILITATE  
CROSS SECTOR  
PARTNERSHIPS



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**AUTODESK®**

Make anything™