

## MANUFACTURING ASSOCIATE CERTIFICATE

To help individuals prepare for entry into the manufacturing workforce The Ohio State University ATI, in conjunction with Tooling U SME, has developed the Manufacturing Associate Certificate.

The Manufacturing Associate Certificate was designed for individuals new to manufacturing who may not currently possess enough knowledge or experience for more advanced technical certifications.

This certificate program includes 25 one-hour online courses (to be completed over a 3-month period) covering topics manufacturing experts identified as relevant for entry-level positions.

The courses cover shop math, assembly, maintenance, machining, inspection, and more, demonstrating that an individual has basic knowledge of manufacturing and may be an ideal candidate for entry-level manufacturing roles, such as assemblers, manufacturing associates, and production workers.

After successful completion of all 25 online courses (passed with an 80% or higher) students will receive an electronic certificate of completion. Students can also elect to take an additional exam (\$75) to receive a nationally recognized certificate through SME.

List of courses:

INTRODUCTION TO ADDITIVE MANUFACTURING 111	BLOODBORNE PATHOGENS 161
INTRODUCTION TO CNC MACHINES 201	INTRO TO OSHA 101
INTRODUCTION TO ASSEMBLY 101	ERGONOMICS 102
SAFETY FOR ASSEMBLY 211	PERSONAL PROTECTIVE EQUIPMENT 111
TOOLS FOR THREADED FASTENERS 235	LOCKOUT/TAGOUT PROCEDURES 141
BASIC MEASUREMENT 101	SDS AND HAZARD COMMUNICATION 151
BASICS OF TOLERANCE 121	HAND AND POWER TOOL SAFETY 201
BLUEPRINT READING 131	FIRE SAFETY AND PREVENTION 181
5S OVERVIEW 151	MATH FUNDAMENTALS 101
TROUBLESHOOTING 181	MATH: FRACTIONS AND DECIMALS 111
QUALITY OVERVIEW 111	UNITS OF MEASUREMENT 112
INTRODUCTION TO ROBOTICS 201	LEAN MANUFACTURING OVERVIEW 101
ROBOT SAFETY 211	