

Manufacturing Foundations Certificate

The Miami University Manufacturing Foundations Certificate is a state-wide program that prepares students for entry-level positions in the high demand field of Manufacturing. Upon completion of the program, students will be able to: use a commercially available CAD system to create meaningful engineering drawings including dimensions and tolerances; multiple views and projections; assemblies and bill of materials; and 3D models. Students will also learn methods to apply fundamental knowledge of engineering materials and why they are utilized in an industrial application.

The Manufacturing Foundations Certificate is supported by the Ohio Engineering Technology Educators Association and the Ohio Manufacturers' Association. All credits earned in this certificate apply seamlessly toward the Miami University's Mechanical Engineering Technology associate degree.

Program Requirements

Code	Title	Credit Hours
EGS 215	Workplace Writing	3
MTH 125	Precalculus	5
ENT 135	Computer-Aided Drafting	3
ENT 151	Engineering Materials	3
ENT 152	Computer-Aided Manufacturing I	3
ENT 340	Internship	1-3
Total Credit Hours		18-20