Principles of Manufacturing, Undergraduate Certificate (Online)

The Certificate in Manufacturing Principles offers students an opportunity to learn the fundamentals of manufacturing systems and seeks to prepare them to better succeed in entry-level positions with the potential for accelerated promotion within a company. The coursework has been developed in partnership with industry partners and is regularly reviewed and revised by an industry advisory board to ensure that the curriculum is current with industry standards, workplace needs, and incorporates real-world applications.

Program Requirements

Complete all courses listed below unless otherwise indicated.

Required Courses

Code	Title	Hours
AVM 1100	Fundamental Measurement Analysis	3
or MET 2040	Engineering Manufacturing Process	
AVM 1150	Fundamentals of Manufacturing Systems	3
AVM 2200	Composite Materials and Applications	3
GET 1100	Introduction to Engineering and Technology	3
GET 1150	Foundations of Engineering Graphics and Design	3
MET 2000	Engineering Computer-Aided Design and Tolerance Analysis	3
MTH 2120	Technical Math 1	3
MTH 2500	Statistical Quality Control	3

Program Requirement

24 total semester hours required