MANUFACTURING ENGINEERING TECHNOLOGY, A.A.S.

The Manufacturing Technology program provides training in a wide variety of skill areas of product manufacturing and services. The four degree options in the program are Automated Manufacturing Systems, Drafting/Design, Manufacturing Technology and Manufacturing Engineering Technology. Automated Manufacturing is designed to prepare the student for careers in computer-aided manufacturing, robotics and numerical control. Drafting/Design prepares the student for careers in the drafting and computer-aided design areas. Manufacturing Technology provides the student with a broad background in the areas of machining, drafting and fluid systems so as to prepare them for entry level positions as machine operators, machine maintenance personnel and quality control personnel. The Manufacturing Engineering Technology degree prepares students for entry-level engineering technician positions in manufacturing. This degree requires 65 credits in program requirements and general education in the courses listed below.

For more information about Manufacturing Technology, please visit the program page (http://www.cod.edu/manufacturing/).

Degree Requirements

Field of Study Code: MANUF.AAS.MET

Code	Title	Credits
Program Requirements		
MANUF 1101	Industrial Design/CAD	3
MANUF 1121	Physical Metallurgy	3
MANUF 1151	Machine Shop I	3
MANUF 1160	Technical Static & Strength of Material	4
MANUF 1180	Quality Control	3
MANUF 2202	Solid Modeling and Design	3
MANUF 2203	Manufacturing Processes and Design	3
MANUF 2251	Computer Numerical Control (CNC)	3
MANUF 2253	Computer-Aided Manufacturing (CAM)	3
MANUF 2281	Cost Analysis	2
ELECT 1100	Electricity and Electronics Fundamentals	3
ELMEC 1141	Hydraulics and Pneumatics	3
MATH 1431	Precalculus I	5
MATH 1432	Precalculus Ii: Trigonometry	3
MATH 1635	Statistics	4
PHYSI 1201	General Physics I	5
General Education		
Select 12 additional credits [1]		
Communications: Written		3
Communications: Oral		3
Humanities		3
Social & Behavioral Sciences		3
Total Credits		**65**

[1] In addition to the courses listed above.

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/).