DRAFTING/DESIGN, CERTIFICATE

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 certificate requires 38 credits in the courses listed below.

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

Certificate Requirements

Field of Study Code: MANUF.CER.DRAFT

Code	Title	Credits
MANUF 1101	Industrial Design/CAD	3
MANUF 1104	Technical Mechanics	2
MANUF 1151	Machine Shop I	3
MANUF 1180	Quality Control	3
MANUF 2201	Geometric Dimensioning and Tolerancing	3
MANUF 2202	Solid Modeling and Design	3
MANUF 2203	Manufacturing Processes and Design	3
MANUF 2206	Mechanical Computr-Aided Drafting/Design	3
MANUF 2207	Tool Design	3
MANUF 2208	Mechanical Design Portfolio	3
ELECT 1100	Electricity and Electronics Fundamentals	3
ELMEC 1141	Hydraulics and Pneumatics	3
MATH 1115	Technical Mathematics I	3
Total Credits		**38**