

# TOOL AND DIE MAKING, CERTIFICATE

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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 31 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.TOOL

| Code                 | Title                                  | Credits   |
|----------------------|--|-----------|
| MANUF 1127           | Engineering Materials of Industry      | 3         |
| MANUF 2200           | Production Technology                  | 4         |
| MANUF 2261           | Basic Die Making I                     | 4         |
| MANUF 2262           | Basic Die Making II                    | 4         |
| MANUF 2272           | Advanced Die Making and Engineering I  | 4         |
| MANUF 2274           | Advanced Die Making and Engineering II | 4         |
| MATH 1115            | Technical Mathematics I                | 3         |
| MATH 1116            | Technical Mathematics II               | 5         |
| <b>Total Credits</b> |  | <b>31</b> |