

Manufacturing Technology

Manufacturing Engineering Technology Degree

Degree: Associate in Applied Science
Total Required Credits for Degree: minimum of 64
Program Requirements: 52
General Education Credits: 12*
Code: 3943

About the Program

The Manufacturing Technology program provides training in a wide variety of skill areas of product manufacturing and services. The Manufacturing Engineering Technology degree prepares students for entry-level engineering technician positions in manufacturing.

Program web site:
www.cod.edu/academic/acadprog/occ_voc/MfgOcc.htm

Program Notes

1. If you are considering transfer to a baccalaureate-granting school, consult with your program adviser for specific General Education courses for transfer. The Associate in Applied Science degree in Manufacturing Technology is transferable to selected baccalaureate-granting schools. Consult your program adviser for details.
2. Under certain circumstances, some technical courses may be waived or substituted. Credit also can be earned by Credit by Proficiency through an Instructor and Credit by Proficiency through Registration. For more information, call the Assessment and Testing office, (630) 942-2400.

Program Requirements

Manuf 1101	Industrial Design/CAD.....	3
Manuf 1121	Physical Metallurgy	3
Manuf 1141	Hydraulics and Pneumatics.....	3
Manuf 1151	Machine Shop I.....	3
Manuf 1160	Technical Static and 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	2
Math 1431	Precalculus I	5
Math 1432	Precalculus II: Trigonometry.....	3
Math 1635	Statistics.....	4
Physi 1201	General Physics I.....	5
Total.....		52

*General Education Requirements

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. For the Manufacturing Engineering Technology degree, some General Education courses are already listed under program requirements. Therefore, students need 12 General Education credits besides those listed under program requirements.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for the A.A.S. degree to decide what needs to be taken. Links can be found on the Manufacturing Technology program guide (www.cod.edu, click on “Academics” and choose this program from the drop-down menu).

Under the specified General Education headings below, the following courses are recommended for the Manufacturing Engineering Technology degree:

Communications: 6 credits required
Recommended courses: See the *Student Planning Worksheet*.

Physical/Life Sciences: 3 to 5 credits required
Required course: Physics 1201 (already listed under Program Requirements)

Mathematics: 3 to 5 credits required
Required courses: Mathematics 1431, 1432, 1635 (already listed under Program Requirements)

Humanities and Fine Arts: 3 credits required
Recommended course: See the *Student Planning Worksheet*.

Social and Behavioral Sciences: 3 credits required
Recommended course: See the *Student Planning Worksheet*.

Additional A.A.S. Degree Requirements

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.
Required course: Computer Information Systems 1400

Adviser

If you are considering this program as an area of study, consult with a faculty adviser in this field.

	Location	Phone
Branislav Rosul, coordinator E-mail: rosulb@cod.edu	TE 1052	(630) 942-3390