

# Manufacturing Technology

The manufacturing technology program is one of the most established and respected programs within the manufacturing technology discipline. It is a computer-based program in which manufacturing technology theory and practice receive equal emphasis as applied to both financial and managerial manufacturing technology issues. It intends to support the career objectives of those looking to enter the job market upon graduation, as well as the academic needs of those looking to pursue advanced degrees. Required course work covers areas critical to success in today's manufacturing technology workplace:

- Technical manufacturing technology knowledge
- Communication and interpersonal skills
- Career-related computer literacy
- A laptop computer is recommended, but not required, for students entering the manufacturing technology program.

## Courses

Course Number	Course Title	Credits
MANUF 0480	Blueprint Reading for Machinists	1 Credits
MANUF 1101	Industrial Design/CAD	3 Credits
MANUF 1104	Technical Mechanics	2 Credits
MANUF 1110	Metrology	3 Credits
MANUF 1121	Physical Metallurgy	3 Credits
MANUF 1126	Introduction to Plastics	3 Credits
MANUF 1127	Engineering Materials of Industry	3 Credits
MANUF 1151	Machine Shop I	3 Credits
MANUF 1153	Advanced Machine Processes	3 Credits
MANUF 1160	Technical Static & Strength of Material	4 Credits
MANUF 1180	Quality Control	3 Credits
MANUF 1700	Fundmntls of Plastics & Plastic Products	3 Credits
MANUF 1820	Selected Topics I	1-10 Credits
MANUF 1840	Independent Study	1-4 Credits
MANUF 2200	Production Technology	4 Credits
MANUF 2201	Geometric Dimensioning and Tolerancing	3 Credits
MANUF 2202	Solid Modeling and Design	3 Credits
MANUF 2203	Manufacturing Processes and Design	3 Credits
MANUF 2206	Mechanical Computr-Aided Drafting/Design	3 Credits

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>
MANUF 2207	Tool Design	3 Credits
MANUF 2208	Mechanical Design Portfolio	3 Credits
MANUF 2240	Basic Parametric Design-Pro/E	3 Credits
MANUF 2242	Advanced Parametric Design-Pro/E	3 Credits
MANUF 2251	Computer Numerical Control (CNC)	3 Credits
MANUF 2253	Computer-Aided Manufacturing (CAM)	3 Credits
MANUF 2261	Basic Die Making I	4 Credits
MANUF 2262	Basic Die Making II	4 Credits
MANUF 2265	Mold Making I	4 Credits
MANUF 2267	Mold Making II	4 Credits
MANUF 2271	Robotic Application	3 Credits
MANUF 2272	Advanced Die Making and Engineering I	4 Credits
MANUF 2274	Advanced Die Making and Engineering II	4 Credits
MANUF 2276	Advanced Mold Making and Engineering I	4 Credits
MANUF 2277	Advanced Mold Making and Engineering II	4 Credits
MANUF 2280	Industrial Safety	2 Credits
MANUF 2281	Cost Analysis	2 Credits
MANUF 2860	Internship (Career & Technical Ed)yCoop Ed/Internship Occup	1-4 Credits
MANUF 2865	Internship Advanced (Career & Tech Ed)	1-4 Credits