

# MANUFACTURING COURSES

## at Manchester Community College

### Bearings and Lubrication

Learn bearing technology, characteristics and functions of plain bearings, ball bearings, and roller bearings. Understand rotational forces on shafts and bearings, characteristics and functions of thrust bearings, as well as bearing mounts and mounting techniques, bearing lubrication and maintenance.

CRN	Course	Dates	Time	Cost
20526	NCTD030	January 29 - February 5, 2010	Fridays, 8 am - 4 pm	\$525



### Gears and Gear Ratios

Students will learn about gears and gear terminology for spur gears, rack and pinions, helical gears, herringbone gears, worm gears, bevel gears, miter gears, and spiral gears. Gain a solid understanding of gear ratios, gear trains, train ratios, and gear lubrication, etc., along with the installation and removal of gears.

CRN	Course	Dates	Time	Cost
20525	NCTPD031	February 9 - 16, 2010	Tuesdays, 8 am - 4 pm	\$525



### Blue Print Reading and Measurement Techniques

An introductory course into reading blueprints and taking precision measurements used by industry. Students who complete this course qualify to become entry level inspectors in quality control positions in industry. What you'll expect to learn: an introduction into reading blueprints used by industry; students will be able to read and interpret drawings used by industry; an introduction into precision measuring techniques used by industry in such fields as machining, inspection, quality control and machine set up.

CRN	Course	Dates	Time	Cost
20523	NCTPD018	March 2 - 16, 2010	Tuesdays, 8 am - 4 pm	\$435



### Basic Ladder Logic

This entry-level course is designed for users working with programmable logic controls (PLCs) requiring familiarity with the basic concepts of PLCs and the unique language they use. It's a must for anyone interested in moving to automation in production, assembly, or testing of manufactured goods.

CRN	Course	Dates	Time	Cost
20524	NCTPD016	March 4 - 18, 2010	Thursdays, 8 am - 4 pm	\$650



For more information on this course, please visit [www.manchestercommunitycollege.edu/wdc](http://www.manchestercommunitycollege.edu/wdc). You may call Kathy DesRoches at (603) 668-6706 ext. 302, or via e-mail at [kdesroches@ccsnh.edu](mailto:kdesroches@ccsnh.edu).

The Workforce Development Center at ...

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