

COMPUTER INTEGRATED MANUFACTURING

(Also see Mechanical Design/CAD)

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Innovation and advances in technology are radically changing the manufacturing field. Modern manufacturing occupations range from precise CNC machining to designing, programming, and maintaining automation systems. Oakton's Computer Integrated Manufacturing department offers various programs to prepare students for careers in manufacturing.

The **Manufacturing** program focuses on precise machining, teaching skills related to operation, setup, and programming of Computer Numerical Control (CNC) machine centers. The **Mechatronics** program is dedicated to automation systems design and programming utilizing industrial robotics, vision systems, and Programmable Logic Controllers (PLC). The **Automation** program emphasizes maintenance, troubleshooting, and repair of automation systems equipment.