

# EARN A FREE CERTIFICATE FROM NORCO COLLEGE

## TUITION-FREE, SHORT-TERM,

### Computerized Numerical Control Operator

This certificate is designed to provide entry-level skills to operate a Computer Numerical Control (CNC) lathe or milling type machine tool. Upon completion, students can may secure employment as an entry level CNC operator. This certificate also serves as a gateway into other noncredit and credit programs.

#### Required Courses:

##### MAN-857 CNC Program Writing

Fundamental skills related to the setup and operation of CNC (Computer Numerically Control) machine tools. Students will set up and operate CNC machine tools exposing them to CNC controllers and some CNC manual programming. Students will gain hands-on experience with CNC machine tools. 108 hours lecture. (Pass/No Pass only.)

##### MAN-856 CNC Machine Set-up and Operation

Introduction to manual CNC program writing. This course includes the Cartesian coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and other programming techniques related to CNC machine tools. Students will gain hands-on experience with CNC machine tools. 108 hours lecture. (Pass/No Pass only.)



Career Education

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