

EARN A FREE CERTIFICATE FROM NORCO COLLEGE

TUITION-FREE, SHORT-TERM.

Industrial Automation

This certificate is designed for those interested in starting their own business exposing students to the basics of entrepreneurship, including design thinking, customer assessment, problem solving, financing and leveraging resources. It will utilize the Business Model Canvas technique designed to have students apply entrepreneurial strategies in developing a business

Required Courses:

ELE-810 Survey of Electronics

Basic electronic theory featuring electron-flow, analog DC and AC devices, circuits, parameters and equations, diodes. 90 hours lecture. (Pass/No Pass only.)

ELE-864 Programmable Logic Controllers

Advisory: ELE-10 or ELE-11. Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. 90 hours lecture. (Pass/No Pass only.)

MAN-860 Hydraulic and Pneumatic Systems

Advisory: ENE-60 or MAT-52. Basics of hydraulic and pneumatic systems including physical properties of liquids under pressure. 108 hours lecture. (Pass/No Pass only.)

ELE-827 Technical Communications

Procedures for organizing and presenting technical data through informal and formal documents and presentations. 54 hours lecture. (Pass/No Pass only.)

ENE-851 Print Reading

Advisory: ENE-21 or MAT-36. A beginning course in the study of blueprints and their interpretation, types of projection, symbols, and abbreviations. 54 hours lecture. (Pass/No Pass only.)

ENE-862 Math for Automation

Course concepts from arithmetic, algebra, geometry and scientific notation, extended and applied to problems in automation technology. 54 hours lecture. (Pass/No Pass only.)

ELE-874 Industrial Wiring and Controls

Industrial controls/electrical wiring of facilities, manufacturing, or warehousing. 108 hours lecture. (Pass/No Pass only.)

ELE-855 Occupational Safety and Health Administration (OSHA) Standards for General Industry

Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. 18 hours lecture. (Pass/No Pass only.)



Career Education

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For more information, visit www.norcollege.edu/extlearning or email cte@norcollege.edu