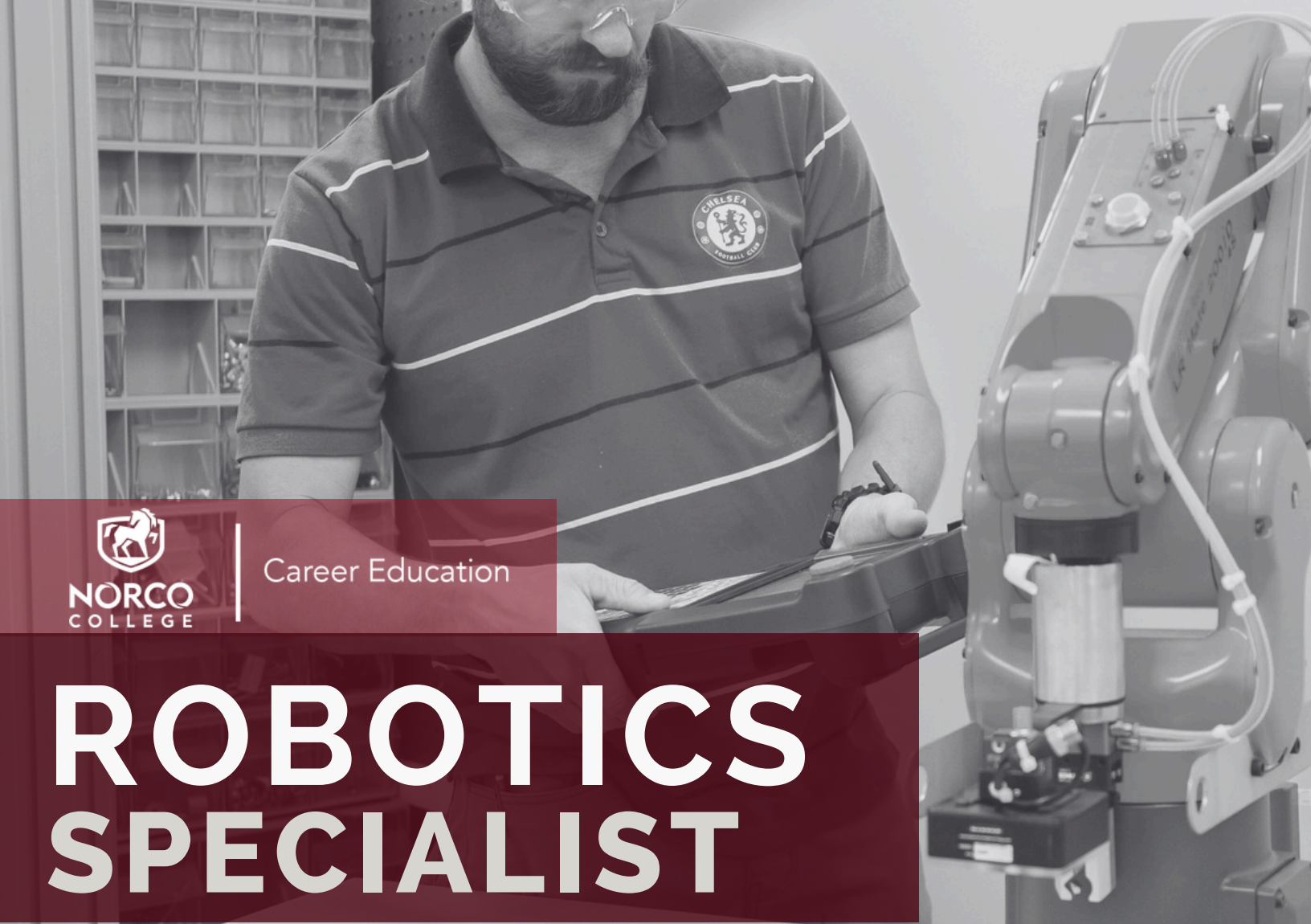




Career Education

ROBOTICS SPECIALIST

15 units | Local Certificate of Achievement

Concentration in robotics used in industrial and manufacturing settings including testing, programming, trouble shooting, and repair. Students will install, program, test, interface and maintain industrial robot systems in work cells.

Career Outlook:

*Labor market data from Onetonline.org for state of CA in Riverside-San Bernardino Counties.

Mechatronics Technicians
Wage Range: \$29.05-\$42.99

Calibration Technicians
Wage Range: \$29.05-\$42.99

Career Outlook: 7% increase
expected 2022-2032*

Career Outlook: 6% increase
expected 2022-2032*

25/26 Course Catalog-NCE1100

For more information on Career Education programs, visit us: www.norcollege.edu/cte.
For program, course sequencing, or scheduling, contact the Norco College Counseling Department at 951-372-7101. You can also visit our website: norcollege.edu/counseling



ROBOTICS SPECIALIST

15 unit certificate

Students obtaining passing grades of C or better in all CTE courses and complete 15 units will earn the certificate. Certificate of Achievement may lead to employment competency. For more information on certificates and degree course requirements, visit www.norcollege.edu/catalog.

MAN-10	<u>Manufacturing Basic Operations</u>	(4 units)
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Modern production environments that use industry 4.0 controls, automation, and process.

MAN-11	<u>Manufacturing Advanced Operations</u>	(4 units)
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Mechanical drives, more advanced fluid power concepts, material handling, sensors, PLC programming, and CNC machining.

MAN-12	<u>Robot Systems Operations</u>	(3 units)
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Industrial robots used in industry. Ideal for manufacturing technicians, and IT professionals. Prepares students for industry certifications in robotics.

MAN-13	<u>Robot Systems Advanced Operations</u>	(2 units)
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Program, interface, and optimization of industrial robot systems in an Industry 4.0 automation environment. Students pick and place, assemble robot arms.

MAN-15	<u>Industry 4.0 Total Productive Maintenance</u>	(2 units)
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Maintenance in a production environment where Industry 4.0 technology is used. Interpret, respond to maintenance work orders via mobile/cloud technology, calculate total equipment effectiveness.