



A scientist can discover a new star but he cannot make one. He would have to ask an engineer to do it for him.

Gordon Lindsay Glegg

KEY FEATURES

- ▶ NZQA approved qualification
- ▶ State-of-the-art laboratories
- ▶ Highly qualified faculty
- ▶ Recognition of prior learning up to 50%
- ▶ Industry oriented programme
- ▶ Flexible class timings

INTAKES

AFTER EACH 10 WEEKS

Visit our campus any time between 9 am - 7 pm (Monday to Saturday)

Our Address:

ICA HOUSE Level 3, 520 Queen Street
Auckland CBD, New Zealand



**INTERNATIONAL
COLLEGE of AUCKLAND**

For Admissions, Fees & Technical Enquiries

Email: enrol@ica.ac.nz

Call +64 (0) 9309 9558



SCAN ME

www.ica.ac.nz

MECHANICAL ENGINEERING

**DIPLOMA
LEVEL-7
240 CREDITS**

- Mechatronics & Control Systems
- Automotive Engineering



**INTERNATIONAL
COLLEGE of AUCKLAND**

www.ica.ac.nz

MECHATRONICS AND CONTROL SYSTEMS

ENTRY CRITERIA

Applicants must have a Diploma in Mechanical Engineering (Level 5) or equivalent knowledge and skills.

For international students: IELTS (Academic = 6.0 score with no band less than 5.5)

SEMESTER 1

DME500 Engineering Mathematics
DME604 Analog & Digital Electronics
DME605 Mechatronics Systems & Design

SEMESTER 2

DME722 Actuators & Sensors
DME723 Electromechanical Systems & Devices
DME725 Real Time Embedded Systems

SEMESTER 3

DME600 Engineering Management & Lean Methodology
DME501 Engineering Drawings & Graphics
DME720 CAD/ CAM

SEMESTER 4

DME700 Final Project
DME721 Industrial Automation & Robotics
DME724 Building Services & Technology

AUTOMOTIVE ENGINEERING

SEMESTER 1

DME500 Engineering Mathematics
DME502 Mechanics of Machines & Workshop Practices
DME602 Materials & Manufacturing Processes

SEMESTER 2

DME711 Automotive Engine & Combustion
DME712 Vehicle Dynamics & Stability
DME713 Automotive Body Engineering & Structures

SEMESTER 3

DME600 Engineering Management & Lean Methodology
DME501 Engineering Drawing & Graphics
DME710 Automotive Systems & Design

SEMESTER 4

DME700 Final Project
DME714 Automotive Instrumentation & Sensors
DME715 Alternative Vehicles

Total Credits: 240

Duration: 2 Years (Full Time)

Total 80 weeks including holidays