



**MASSEY  
UNIVERSITY**  
TE KUNENGA KI PŪREHUROA

UNIVERSITY OF NEW ZEALAND



## BACHELOR OF ENGINEERING (HONOURS)

Producing the next generation of engineers who make a difference in New Zealand and around the world.

Massey University is pleased to offer an August start date for the Bachelor of Engineering with honours at our Auckland (Albany) campus. This August start means you will study an accelerated programme, allowing you to complete the full degree in just three-and-a-half years.



THE ENGINE  
OF THE NEW  
NEW ZEALAND



# BE PART OF A NEW GENERATION

The Bachelor of Engineering with honours at Massey is a unique mix of professional and personal, technical and business skills all based on a solid grounding in engineering. Massey graduates are sought by high-tech manufacturing industries in New Zealand and overseas. The degree is internationally accredited by the Washington Accord through the Institution of Professional Engineers New Zealand (IPENZ), and graduates work around the world.

## DATES

First year	26 Aug 2013 – 14 Feb 2014 (Orientation: 19 Aug 2013)
Study Break	23 Dec 2013 – 3 Jan 2014
Second year start	24 Feb 2014*

\*Requirement for progression to second year: successful completion of all courses in first year.

## ENDORSEMENTS

### CHEMICAL AND BIOPROCESS ENGINEERING

Prepares students to investigate new and existing technologies and to apply these in a commercial environment for the betterment of business and society. Specialisations include biotechnology, nanotechnology, sustainable energy and environmental technology. Graduates usually begin their careers in technical roles in the processing industries and progress rapidly to managerial positions.

#### Papers first year (120 credits)

Engineering Practice 1: Global Perspectives  
Engineering Practice 2: Creative Solutions  
Physical Principles for Engineering & Technology (1 & 2)  
Engineering Mathematics (1A & 1B)  
Chemistry for Biological Systems (1 & 2)

#### Career options include

Biotechnology, food engineering, and pharmaceutical processing.

### MECHATRONICS

Mechatronics covers mechanical engineering, electrical and electronic systems, robotics, machine vision, computer technology and intelligent control. Students are also trained to take up a high-level managerial position with courses in management and quality control.

#### Career options include

Automotive design, entrepreneurship, and robotics engineer.

### PRODUCT DEVELOPMENT

It is the translation of new ideas into marketable new products, processes or services. It provides students with the multidisciplinary skills of design, technological innovation, marketing and business management. The final year is focused on a product development project.

#### Career options include

Logistics management, manufacturing design, and product development.

### ELECTRONICS AND COMPUTER ENGINEERING

It is essentially a mixture of electronics, communications engineering, computer science and engineering and relevant management studies. Students gain a broad range of skills that are relatively independent of current technology and practice in electronics, instrumentation, data communications, computer organisation, computer architecture, mobile and wireless systems, advanced internet and multimedia applications, signal processing and software engineering.

#### Papers first year (120 credits)

Engineering Practice 1: Global Perspectives  
Engineering Practice 2: Creative Solutions  
Physical Principles for Engineering and Technology (1 & 2)  
Engineering Mathematics (1A & 1B)  
Computational Thinking and Software Development  
Computational Thinking and Algorithms

#### Career options include

Computer science, electronics design, and software development.

## FIND OUT MORE TODAY!

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