



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

KNOW WHERE YOU STAND
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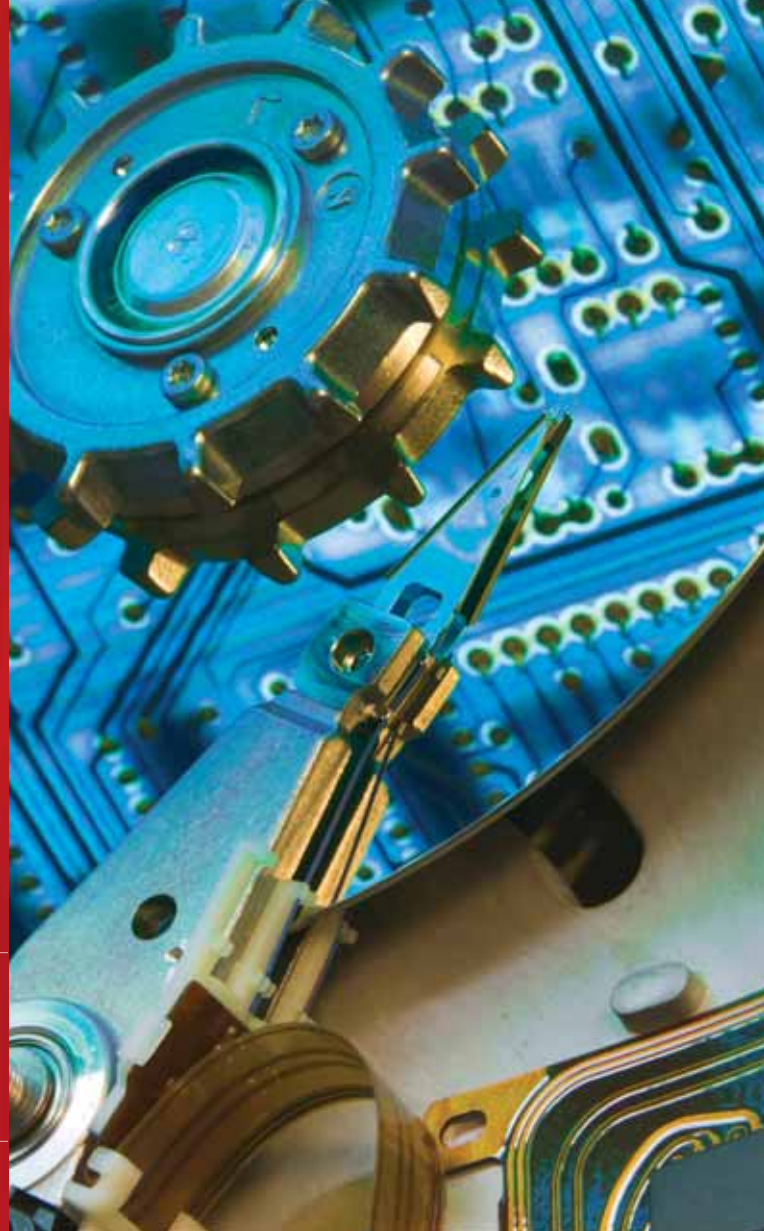
Computing & Mathematical Sciences
Rorohiko me nga Putaiao Pāngarau



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Bachelor of Engineering

Software Engineering



BE SOFTWARE ENGINEERING

Software Engineers specify, design and build the software that society relies on.

Aside from the traditional computer applications in finance, inventory and database, a huge range of devices now depend on computer software. Industrial robots, mobile phones, cars, ATM machines, DVD players, computer game consoles and security systems are all driven by software. That software must be reliable and flexible, usable and cost effective – we expect it to operate correctly at all times.

Building and maintaining the traditional applications and also the programs that drive these newer devices, all require Software Engineers.

Career Opportunities

Systems Engineer

Development Engineer

Test Engineer

Network Engineer

Software Architect



Software Engineering at Waikato

The Software Engineering programme at Waikato emphasises the software engineering process, formal methods for software engineering, and human-computer interaction.

Our goal is to teach you how to build software that is dependable and economic. Our papers include systematic techniques to test software systems and methods for formally proving safety critical systems.

Our BE in Software Engineering is an innovative four-year degree that starts with C# programming and building model boats in the first year, progresses through advanced programming techniques and computer hardware labs in the second year, then branches out into a wide variety of programming skills in the third and fourth years. You'll also study design, marketing and engineering management.

Our Software Engineering degree is fully accredited by the Institution of Professional Engineers New Zealand (IPENZ), which benchmarks New Zealand Engineering degrees to international standards. IPENZ accreditation means that your BE (SE) will be recognised by engineers and employers worldwide.



Some Reasons for Studying Software Engineering at Waikato

- » Our work placement scheme means that you'll leave university with 800 hours of paid work experience in software engineering
- » The BE papers emphasise innovation and practical business skills, so you'll have the background to be an entrepreneur as well as an inventor
- » You will gain a highly marketable qualification in what is projected to be one of the fastest growing occupations over the next decade.

