



For more info on Pentair, check out pentair.com

Pentair delivers a comprehensive range of smart, sustainable water solutions to homes, business, and industry around the world.

The company's portfolio of solutions enables people, business, and industry to access clean, safe water, reduce water consumption, and recover and reuse it.

From about 130 locations in 34 countries, Pentair's 10,000 employees are focused on the belief that the future of water depends on us all.

In Hamilton, Pentair hires people directly from school who are interested in apprenticeships including CNC operating and fitter-turning.



Become an Engineer

You will need a New Zealand Certificate in Mechanical Engineering (Trade)(Level 4) with a strand General Engineering. It is recommended that people enrolling in a programme leading to this qualification will have NCEA Level 2 or equivalent. Most of the learning is practical work completed on-the-job. Apprentices are also required to complete learning via an online platform and attend block courses for two-to-three weeks each year. Apprentices on this programme will be learn to build, maintain and repair a broad range of machinery and equipment using fitting, machining, fabrication, hydraulics, pneumatics and welding skills and knowledge.

Find out more at www.competenz.org.nz

To find out more about this sector, profiles of young people like you in the industry, and career tools and tips...

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JORDAN RICHMOND
GENERAL ENGINEERING APPRENTICE



The FutureForce® Crew sat down with Jordan to chat about his role...

WHAT IS A GENERAL ENGINEERING APPRENTICE?

General engineering is a bit of everything. So there's a bit of fitting and turning, operating machines, welding, grinding, and using a lathe and other mills and machines.

WHAT GOT YOU INTERESTED IN THIS PATHWAY?

My parents have been in the engineering industry for most of my life. I took metalwork at school and it just felt right, I really enjoyed it. So when I saw a job advertised here at Pentair I just applied and got straight into it.

WHAT DO YOU LIKE ABOUT WORKING AT PENTAIR?

The culture here is really good, there's good learning culture and being able to easily learn off of my peers and the people around me.

TOP CAREER TIP

DO A BIT OF RESEARCH, TALK TO ENGINEERS, READ SOME BOOKS, OR HAVE A LOOK ONLINE TO LEARN MORE ABOUT IT AND SEE IF IT'S SOMETHING YOU'RE INTERESTED IN.

WHAT ARE SOME OF THE HIGHLIGHTS OF YOUR JOB?

Working with a great bunch of people. There's a really good culture here. Work is always a lot more enjoyable when you have good people around!

WHAT CHALLENGES HAVE YOU HAD TO OVERCOME?

I guess a big one is waking up early, especially since I leave for work from Cambridge. I leave home at 5.45am and then leave here at 5.45pm in the evening. When we were doing earlier starts, I had to leave Cambridge by 5:30!

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WHAT DO YOU THINK ARE SOME HELPFUL SCHOOL SUBJECTS FOR THIS PATHWAY?

- » • Science – Physics
- » • English
- » • Maths – Statistics and Calculus
- » • Metal work



“WORKING THROUGH MY APPRENTICESHIP HAS TAUGHT ME LOTS OF DIFFERENT LIFE SKILLS, INCLUDING THE IMPORTANCE OF GOOD TIME-MANAGEMENT. BACK IN SCHOOL I WAS ALWAYS A BIT LATE, BUT YOU CAN'T DO THAT AT WORK!”

WHAT HAVE YOU LEARNT ON THE JOB?

I started here with no knowledge really of anything and now, just over a year into it, I feel really comfortable operating those different machines. So I've learnt a lot about the machinery and how they work and the safety around them.

I've gotten into a good routine of being in work and on time which I had to learn a bit. Back in school I was always a bit late but you can't do that at work! It's taught me lots of skills with time-management.

WHAT KIND OF SKILLS OR CHARACTERISTICS DOES SOMEONE NEED TO HAVE IN THIS KIND OF ROLE?

You've got to have that good time-management. Being motivated to learn – there's no easy route with engineering, there are no shortcuts, so you have to go into more depth to figure something out. So being a problem solver is important too.

WHAT'S THE BEST CAREER ADVICE YOU'VE EVER RECEIVED?

Actually a big one for me was “get a trade, you can always fall back on a trade!” – I've heard that one quite a lot!

WHAT'S YOUR ADVICE FOR KEEPING BALANCED AND MANAGING STRESS?

You've got to look after your body so have a good sleep schedule, make sure your body's healthy and eat proper foods. Work can tire you out and a lot of things can go wrong if you're lacking sleep or not feeling good.

