Certificate III in Engineering – Mechanical Trade

Become an apprentice mechanical fitter and machinist in the manufacturing, engineering and related industry areas where you will work alongside tradespeople and key people in the field. As an Engineering Tradesperson your work will include the manufacture of metal components, machines and machine tools and working with electronics and control systems. You will shape and bend steel and other materials using drills, lathes, grinding and milling machines. You will use hand and power tools and precision measuring instruments to manufacture, assemble, fit and repair parts and machinery.

Employment options: Level C10 apprentice fitter and machinist

Certificate IV in Engineering

The qualification will broaden existing skills in trade areas including mobile plant and equipment maintenance, fabrication (cast or light), electrical/electronics, instrument fitting, tool making, maintenance fitting, fitting and machining. It also provides suitable training for textile mechanics/technicians working in textiles production, and a range of occupations in the marine sector.

Employment options: Level C7 mechanical engineering technician

Certificate IV in Engineering (Fluid Power)

The Fluid Power (pneumatics or hydraulics) specialist’s role involves the fabrication, installation and maintenance of fluid power systems. In addition to the fluid power skills, they may also carry out tasks including welding and metal machining.

Employment options: Level C7 specialist mechanical engineering technician – fluid power

Certificate IV in Engineering (CNC Programming)

The Engineering Technician Specialist programs and operates computer controlled equipment to fabricate, modify and repair equipment for the engineering and manufacturing industry sector. Duties may involve computer controlled metal machining in lathe and milling operations, selection and maintenance of tooling, quality control procedures, computer aided drawing (CAD) and computer aided manufacturing (CAM) programs that are relevant to your current or intended employment.

Employment options: specialist mechanical engineering technician – CNC (computer number control)

Certificate II in Engineering

This course is designed for people working at the basic production operator level in manufacturing, engineering and related industry areas. Work may involve cutting, shaping, joining and finishing metal to make, repair or maintain a variety of metal structures products. You will acquire skills and knowledge in workplace communication, occupational health and safety, quality procedures systems and planning, plus some industry specific skills in a production or process area relevant to your current or intended employment.

Employment options: Level C12 production worker, Level C12 process worker

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