

SKILLS LAB

Skills Lab Pty Ltd RTO Code 45486

22460VIC Diploma of Applied Technologies



NATIONALLY RECOGNISED
TRAINING

Industry 4.0 is the emerging fourth industrial revolution; the next stage in manufacturing. Driven by digitalisation, it connects the impact of emerging technologies and digitalisation across all industries such as energy, transport and infrastructure. Automation and big data analytics are transforming the manufacturing industry, driving new business opportunities through integration with the global supply chain.

The Diploma of Applied Technologies provides the skills and knowledge required for individuals to undertake para-professional technical roles within Industry 4.0 manufacturing and/or engineering environments. In these roles, individuals have the skills and knowledge to use digitalisation techniques that merge traditional and emerging technologies, from product design through to manufacture. Participants will use a systems approach to troubleshoot every aspect of the 'smart factory' and they incorporate concepts of innovation and change to achieve tangible outcomes. They have extensive knowledge of Industry 4.0, customisation, and product life cycle management.

As a wholly owned subsidiary of SAGE Group of Companies and a sister company to SAGE Automation, Skills Lab will provide you with the opportunity to learn from real life examples and insights. As such, you will have access to current practices and learnings on world leading training platforms.

For a more detailed discussion on your training requirements and availability, please contact Skills Lab on 1300 080 302.

Getting Started

Prerequisites

None applicable.

Delivery Method

Training and assessment will be by flexible delivery combining self-paced blended learning, one-on-one learning, lab/site based performance activities and a workplace log book. The learning schedule (including Workshops, Learning Management System/Online Units) has been sequenced to build on the development of skills, knowledge and understanding, relevant to the job role.

Course Duration

The Diploma of Applied Technologies is anticipated to be delivered over a period of at least 1-2 years. This incorporates structured training delivery and opportunities for practice and reinforcement of skills including; self-directed study, research, project work and written assignments.

Where training is delivered under a contract of training, this will be 36 months in duration.

Off job training is expected to be either five days a week block delivery or 1 day a week on a part-time basis. This is open to negotiation with Industry employers.

Location

Offered Australia wide for domestic students. Skills Lab will deliver training via a blended learning model which will include online, virtual face-to-face and in person (face-to-face) training.

Cost

Pricing will vary between states. Please contact us for a quote.

Payment Method

This course is not covered by VET-fee HELP. Please contact us for further information about payment options.

Recognition of Prior Learning (RPL) or Studies

It is the policy of Skills Lab to recognise learners' AQF qualification and statements of attainment issued by any other Australian Registered Training Organisation.

Any decisions about granting RPL will take into account the learners' likelihood of successfully achieving the qualification outcomes, to ensure the integrity of the qualification outcomes is maintained.

Quick Facts

- > **DURATION** Up to 3 years under a contract of training
- > **COURSE INCLUSIONS** Learners who have been assessed as meeting the requirements of the 22460VIC Diploma of Applied Technologies will be issued with an Australian Qualifications Framework certification
- > **INVESTMENT** Pricing will vary between states. Please contact us for a quote
- > **PREREQUISITES** None applicable
- > **SCHEDULE** Contact us for suitable dates and locations

Core Course Units

- > **VU22310** Work in Industry 4.0
- > **MEM13014A** Apply principles of occupational health and safety in the work environment
- > **BSBPMG417** Apply project life cycle management processes
- > **ICTTEN202** Use hand and power tools
- > **MEM12024A** Perform computations
- > **MEM234028A** Produce and manage technical documentation
- > **MEM30025A** Analyse a simple electrical system circuit
- > **MEM30007A** Select common engineering materials
- > **VU22312** Produce components using CAD and CAM technologies
- > **VU22314** Troubleshoot digital control systems
- > **VU22313** Implement and problem solve a PLC-based industrial control system
- > **VU22315** Use SCADA system to monitor and control an industrial process
- > **VU22316** Apply principles of networking technologies for manufacturing and engineering applications
- > **VU22311** Commission a cyber-physical system

Elective Course Units

Skills Lab currently offers the following elective course units:

- > **VU22317** Analyse and manage big data in cloud-based systems
- > **VU21106** Plan, implement and apply preventative maintenance procedures

The following elective course units may be offered in the future, based on industry demand:

- > **VU22318** Work safely with collaborative robots
- > **MEM14091A** Integrate manufacturing fundamentals into an engineering task
- > **MEM16012A** Interpret technical specifications and manuals
- > **MEM23004A** Apply technical mathematics
- > **MEM23111A** Select electrical equipment and components for engineering applications



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CONTACT US FOR MORE INFORMATION

Individuals who wish to clarify any elements, discuss, schedule of payments or confirm enrolment details should contact Skills Lab.

T 1300 080 302

@ skillskillslab.com.au

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