SKILLS LAB

MEM50822 Diploma of Applied Technologies

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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 gain extensive knowledge of Industry 4.0 and product life cycle management, incorporating concepts of innovation and change to achieve tangible outcomes.

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.

Learners will have access to current practices and learnings on world leading training platforms.

NATIONALLY RECOGNISED TRAINING

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. Skills Lab will deliver training in our lab, cyber physically, or on site where facilities are available and support the learning requirements.

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 delivered over a period of at 1-2 years.

The hands-on training is delivered in weekly blocks throughout the duration of the diploma.

Location

This course is offered Australia-wide.

Skills Lab facilities are fitted with the latest equipment, training infrastructure and platforms; resembling a typical work set up. Our cyber physical training techniques delivering hands-on training remotely in our labs. High quality cameras are set up so you can see the equipment in real time at your workplace, worksite or from your home.

Cost

Full fee: $21,000

All Skills Lab courses are offered nationally however funding differs from state to state. Please visit our website for funding options.

Payment Method

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 qualifications 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 2 years

> **COURSE INCLUSIONS** — Learners who have been assessed as meeting the requirements of the MEM50822 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

Course Units

> **MEM13015** — Work safely and effectively in manufacturing and engineering

> **MEM16006** *prerequisite* — Organise and communicate information

> **MEM30012** — Apply mathematical techniques in a manufacturing, engineering or related environment

> **MEM30025** *prerequisite* — Analyse a simple electrical system circuit

> **MEM29001** — Work in Industry 4.0

> **MEM29002** — Commission a cyber-physical system

> **MEM29008** — Analyse and manage data in cloud-based systems

> **BSBPMG428** — Apply project life cycle management processes

> **MEM29003** — Apply CAD and CAM technologies in an industry 4.0 workplace

> **MEM29004** — Analyse and problem solve a PLC based industrial control system

> **MEM29005** — Diagnose faults in digital control systems

> **MEM29006** — Use a SCADA system to assist Industry 4.0 operations in manufacturing and engineering

> **MEM29007** — Apply networking technology principles for manufacturing and engineering applications

> **MEM29012** — Access and use a digital twin for operational purposes

> **MEM29013** — Integrate sensors into digital manufacturing processes

> **MEM09229** — Read and interpret technical engineering drawings

> **MEM12024** *prerequisite* — Perform computations

> **MSS402003** — Apply competitive systems and practices

Optional Units

Please contact the Skills Lab team if you are interested in the units below.

> **MEM29009** — Prepare, configure, and test collaborative robots for industrial operations

> **MEM29010** — Plan and implement preventative maintenance procedures in an Industry 4.0 manufacturing workplace

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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

@   skills@skillslab.edu.au

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