

TAFE—NEW ENGLAND INSTITUTE

A DYNAMIC & MODERN ORGANISATION

The New England Institute is a Registered Training Organisation that is recognised throughout the North and North West of New South Wales as the most important and significant provider of vocational education and training in the region.

TAFE means technical and further education, but our Vision takes technical and further education into the 21st Century. We want to help people to achieve goals in their working life by setting them onto the path towards employment or giving them skills so that they can move along a career path or take up different employment challenges.

We help people and industry learn. Technical and further education has been the cornerstone of community development for a long time. It has provided generations of skilled people who have built and supported the community, providing employment, wealth and personal opportunities for many Australians. Since 1991 the New England Institute has been the administrative structure, bringing together the management of technical colleges into a regional setting. We now have an efficient faculty-based operation so that we can provide even greater opportunities for learning.

A range of support options that are designed to assist all students enhances our excellent teaching. We have modern libraries, active student associations, provide support for people with disabilities and a unit dedicated to providing opportunities for indigenous Australians.

NEW SOUTH WALES
DEPARTMENT
OF EDUCATION
AND TRAINING



NEW ENGLAND
INSTITUTE

A new course for biomedical technicians



MEDICAL EQUIPMENT SERVICING & TECHNICAL SUPPORT

The Institute is offering a Statement of Attainment in Medical Equipment Servicing and Technical Support through its distance education unit.

1. This course is for people who require special skills training in current employment. (Documentary evidence will be required)
2. Applicants must be employed in the relevant industry.
3. Applicants who have completed previous relevant education and training courses
4. Applicants who are seeking employment in an area where the skill is employed.

The core modules are as follows:

- Occupational Health and Safety
- Medical Equipment Principles
- Anatomy, Physiology and Infection Control

Students will also be required to complete a work experience component of 144 hours.

Part 1 of the course gives an overview of:

- Clinical terminology
- Electrical safety standards
- Materials used in medical science

Part 2 of the course gives an overview of medical equipment used for the following systems

- Cardiovascular
- Respiratory

- Neurological
- Renal and
- Medical imaging

COURSE OUTCOMES:

This course is designed to allow learners to develop practical and technical skills relevant to the maintenance, repair and technical support of medical equipment and the underpinning knowledge required to apply those skills in a clinical environment or similar work place. The course aims to provide learners with the skills and knowledge to:

1. Identify OH&S requirements
2. Understand general anatomy and function of the major body systems
3. Understand electrical activity within the human body, methods of monitoring this activity, and its relevance to clinical treatment.
4. Demonstrate an awareness of the relevant electrical safety standards.
5. Recognise the inter-relationship between Medical Electronic equipment and Human Anatomy and Physiology
6. Demonstrate an understanding and awareness of infection control principles in a clinical environment under the supervision of a clinician.
7. Use appropriate resources, consumables, materials and test equipment to install, maintain and repair a wide range of electronic medical equipment used in clinical and hospital environments.

Competency standards:

The modules in this course will be used to support new competency units in the Utilities Electrotechnology Training Package review. The outcomes of the course have been developed through consultation with the relevant representatives of industry, community, and professional associations.

FOR FURTHER INFORMATION:

Please complete this section and return to:

Electrotechnology

TAFE New England Institute

Tamworth Campus

Janison Street

Tamworth NSW 2340, Australia

FAX No (02) 6768 2351

NAME: _____

STREET: _____

TOWN: _____

POSTCODE: _____

COUNTRY: _____

TELEPHONE: _____

EMAIL: _____

POSITION: _____

QUALIFICATIONS:

Course 2897

Medical Equipment Servicing & Technical Support
www.newengland.tafensw.edu.au/courses/other/2897