



THE **medical** ROOM



The Medical Room's Training UPDATE

SMBE NSW 2025 – Penrith

Accreditation of Healthcare Technology Training: OVERVIEW

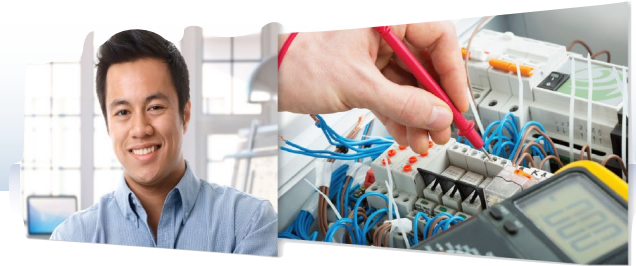
- Developments in 2024
- TMR Objectives for 2025:
 - New infrastructure
 - Revamped & New courses
 - Australian Accreditation

The Medical Room's Training



- **Practice & competency based, vocational training**
- Modular – complete whole course or fill skill gap
- Developed in partnership with major teaching hospital
- Tailored to Australian requirements & competencies
- Pursuing accreditation to Advanced Diploma level
- Vendor neutral
- Affordable

Training inclusions



✿ Servicing of Medical Devices modules include:

- Anatomy and Physiology
- Documentation & Legislation
- Engineering Principles and Theory of Operation
- Clinical Application
- Performance verification
- Maintenance Tasks
- Trouble shooting...
- Hands-on Practice of Testing & Troubleshooting

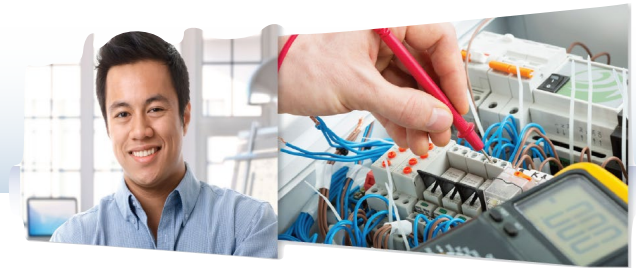
Previously...

9 Intensive Practical Training Units



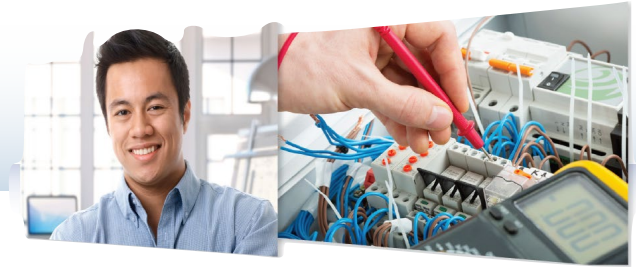
- Unit 1a: Biomedical Electrical Safety Testing
- Unit 1b: Patient Area Testing
- Unit 2: Servicing Cardiovascular Equipment
- Unit 3: Award in Servicing Physiological Monitoring & Infusion Equipment
- Unit 4: Award in Servicing Operating Theatre & Surgical Equipment
- Unit 5: Award in Servicing Anaesthetic Equipment
- Unit 6: Award in Servicing Ventilation Equipment
- Unit 7: Award in Servicing Dental Equipment
- Unit 8: Medical Equipment Networking

Training in 2024



- ✿ 2023-24: 22-26 Training courses, ~165-185 people attending training
- ✿ Trainees included: Biomedical/Clinical Engineers/Hospital Engineers from Hospitals, Pacific Biomedical Engineers, Manufacturers, 3rd party service providers, new entrants to the industry – from OS and from new graduates from University
- ✿ Locations:
 - Australia – Melbourne, Sydney, Brisbane, Perth
 - New Zealand – Auckland
 - Africa - Malawi

2025



Growing The Medical Room Team

New Operations Manager & Trainer: Vicki Dove



- BSc(Biomedical Science) & BE (Electronics and Computer Systems)
 - Swinburne University of Technology
- 12 years experience as a Biomedical Engineer / Field Service Engineer.
 - Western Health, Device Technologies, UCLH, GE Lifesciences, LivaNova
- 2 years – Biomedical Services Manager
 - Manager of the Biomedical Engineering Service Department at CardioScan Services

Senior Trainer: Richard Bower



- Biomedical Engineer for over 35 years
- Extensive history of service training and complex, specialist product training across the Asia Pacific region
- 1987-2007 Royal Navy - Clinical Systems Engineer & Project Mgr
- 2007-8 -GE Healthcare - Remote Service Operations Manager – Imaging Information Systems
- 2008-2017 BIOLASE/Micro-X - Asia Pacific Service & Operations Manager / Micro-X Engineering Manager & Global Product Mgr
- 2011-Present – Divinitus Consulting (Own Company)
- 2014-Present – Senior Trainer & Consultant @ The Medical Room

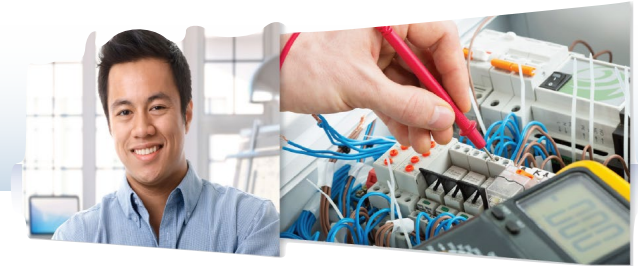
Quick diversion

- **Has the biomedical imaging engineer... aka Richie... done anything useful lately?**

No... he's been working on PET projects....

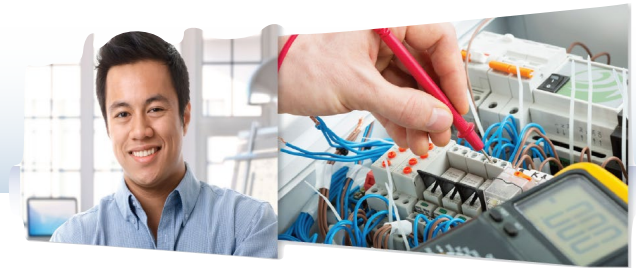


2025



Growing The Medical Room Team & Training portfolio

2025 Training Developments



REVAMPED Medical Equipment Networking

- Fundamentals of networking
- Networking devices
- OSI and TCP/IP models & protocols
- IP addressing (IPV4 and IPV6) and subnetting
- Practice constructing networks with IT equipment and network equipment
- Medical device networks & integration with EMR systems
- Practice of constructing medical equipment networks including patient monitoring networks & PACS system
- Theory and practice of managing network devices

Healthcare Technology Management



Course Structure

1. Strategic Asset Planning
2. Procurement
3. Medical Device Management
4. Disposal of Assets
5. Knowledge Management
6. Research & Development
7. Human Resource Management
8. Financial Management

Mike Denison

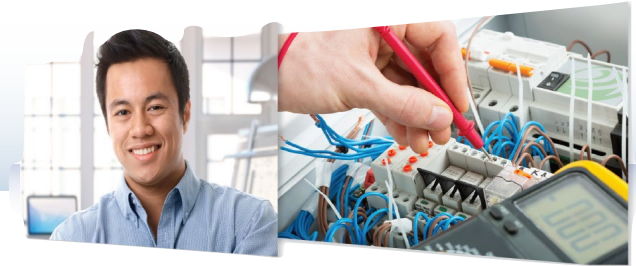


- BE (Elec) and MEngSc (BME)
- 29 years BME experience
- 13 years Manager BME Austin Health
- 16 years international experience with Red Cross
- BME project work in 10 countries

Leadership Course?

- Multiple workshops throughout the year
- Mentorship
- Support for achieving professional goals
- Exercise to build confidence in leading

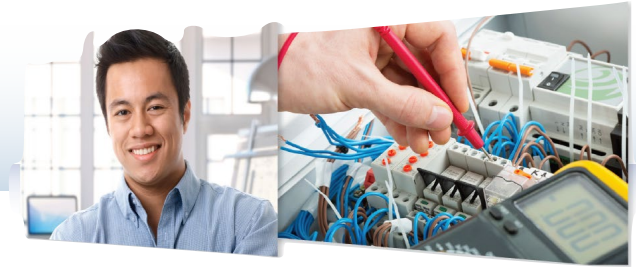
New Modules



👉 New modules in development:

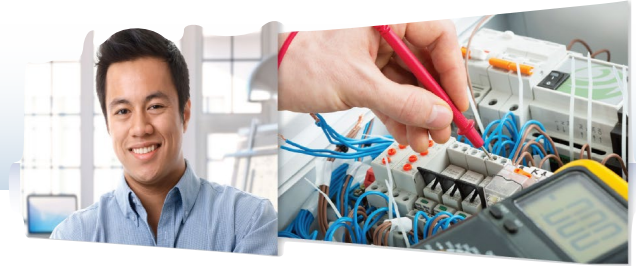
- Medical Imaging
- Medical Gas
- Renal equipment

2025 Objectives



- Growing The Medical Room Team & Training portfolio
- Launch New Website & Learning Management System (LMS)
- RTO Status & Australian Accreditation

Future TMR Training



- ✦ Accredit as a Qualification – Advanced Diploma
- ✦ Base Qualification for a Apprenticeship / Cadetship
- ✦ Continue delivering standalone modules:
 - Units of competency combined from qualification
 - Units of Competency delivered as Skill Sets
- ✦ Training Venues:
 - Continue to deliver across Australia, New Zealand & the Pacific... and...

Thank you for listening... Any Questions?



For update throughout the year, sign up to our newsletter:

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