



Engineering - Mechanical

Study area information for apprentices

Mandatory Workshop Safety & PPE Requirements

- Long sleeve cotton shirt
 - Sleeves down, buttoned up in workshop.
 - Workwear – clean, free from tears, hole/s, oil/grease.
 - No Polyester.
 - Must be tucked in when using rotating machinery.
- Long leg cotton pants
 - Workwear – clean, free from tears, hole/s, oil/grease.
 - Must be over boots in hot work areas.
- Protective eye wear/ safety glasses
 - Must always be worn whilst in workshop - Clear only.
- Safety (Steel) capped boots.
 - Must be worn at all times.
- Jumpers/Jackets
 - Must be cotton or wool only – No Polyester or Nylon.
 - No hoodies allowed in workshop areas.
- Welding helmet
 - Must always be used during welding processes.
 - NO blind tacking.
- Welding Gauntlets (Appropriate to hot works processes)
 - Must be worn whilst performing hot work tasks.
- Well-fitted Gloves (Appropriate for handheld grinding & for handling of cold materials)
 - Must be worn whilst performing Handheld grinding tasks.
 - (Riggers Gloves – May be used as entry level protection)
- TIG (GTAW) Gloves - Must be worn whilst performing GTAW process.
- Disposable Hearing Protection ear plugs are provided by SM TAFE
 - Ear buds (music) are not to be used in lieu of hearing protection within the workshop areas (NOTE: noise suppressing ear buds are not considered hearing protection and there for are not to be used as such).

Stationery

- Lever arch folder / A3 folder
- Notebook
- Pens (red, blue and black)

Equipment / tools

- 45 degree set square
- 30/60 degree set square
- H pencil
- 2H pencil
- Eraser
- Steel rule
- Pencil sharpener
- Drawing compass with extension arm
- Scientific calculator

Campuses

Please make sure you review the relevant campus map before you arrive on your first day.

Thornlie

[Thornlie Campus Map](#)

Rockingham

[Rockingham Campus Map](#)

Textbooks

- Pneumatic Control for Industrial Automation 2ed, Peter Rohner (9780958149327)
Industrial hydraulic control 4ed, Peter Rohner (9780958149310)
- First year (All students) Fitting & Machining – Culley, RMIT (9781921426780)
Engineers Black Book (9781921722349)
- First year (Plant Mechanic students only) Package: Diesel Mechanics with Student Workbook 4ed, Erich Schulz and Ben Evridge; McGraw-Hill (9780077238780)
- Second year (Fabrication and Machinery and Mechanical Fitting students) Principles of Machine Operation and Maintenance Book by Dick Jeffrey (9780750602938)

- Second year (Marine Fitting) Principles of Machine Operation and Maintenance Book by Dick Jeffrey
- Third year (Mechanical Fitting students only) Pneumatic Control for Industrial Automation 2ed, Peter Rohner (9780958149327) Industrial hydraulic control 4ed, Peter Rohner

Recommended textbook suppliers

- Boffins Bookshop Phone: 9321 5755 [Link to Boffins Bookshop Website](#)
- Book Depository [Link to Book Depository Website](#)