

Electrotechnology

PROGRESSION GUIDE – ASbA QUALIFICATION

Working Together

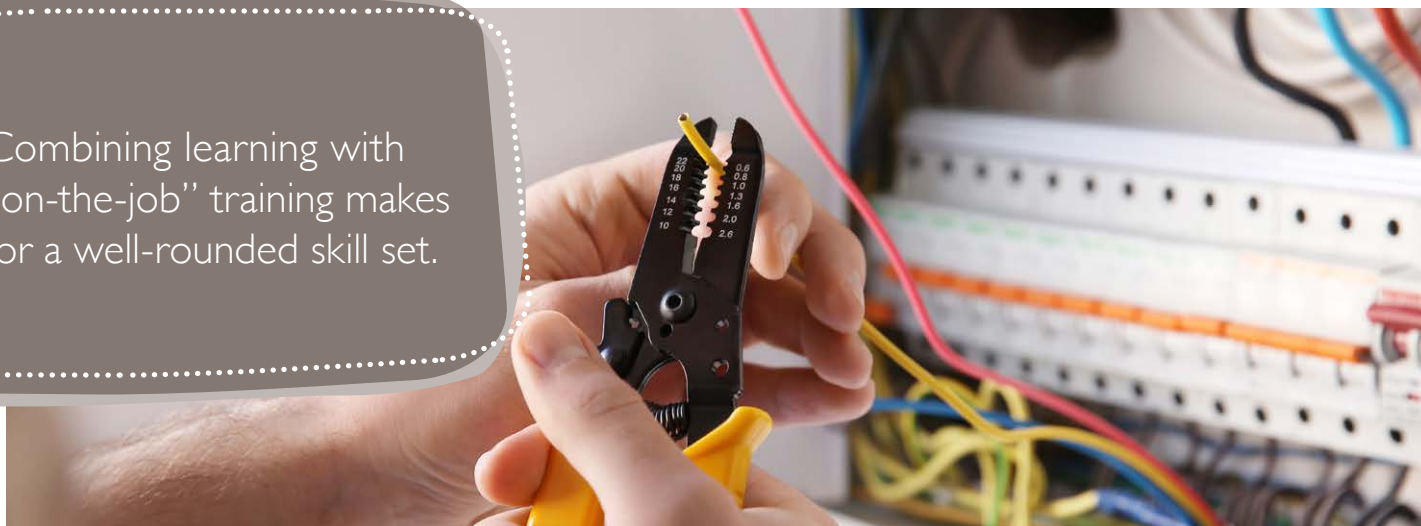
The Tasmanian Department of Education is committed to working with Tasmanian businesses to promote and support Australian School-based Apprenticeships (ASbA), which support the engagement, retention, transition and skills development of young people. We understand the contribution this pathway can make towards growing Tasmania's skills base and increasing the capacity for Tasmanian businesses to meet ever changing skills demands.

The objective for the Department's ASbA team is to assist businesses to develop and implement workforce development models that enhance the engagement, employment and training opportunities for young people while they are still completing school. We recognise that Australian School-based Apprenticeships and Traineeships provide a valuable contribution to workforce development planning and are a "Smart Way to Learn and Earn" for our students.

A number of Tasmanian school and college students are ready for the opportunity to get a head start in their career. ASbAs provide a meaningful employment and education pathway for these students. It is a way to support students who are enthusiastic and work-ready with an opportunity to combine work and school – completing their education at the same time as undertaking a nationally recognised qualification whilst in paid employment.

ASbAs are a key Workforce Development Strategy – planning today for Tasmania's future workforce. Let us work with you to take the first step in attracting, developing and retaining your highly skilled future workforce.

Combining learning with "on-the-job" training makes for a well-rounded skill set.



Australian School-based Apprenticeship – Key Phases

| PHASE 1 | PHASE 2 | PHASE 3 |
|--|--|--|
| <p>PRE-EMPLOYMENT</p> <p>ASbA STUDENT:</p> <ul style="list-style-type: none"> » Preparation of ASbA student to be work ready » Conversation and information with employee, student, parents/guardians about ASbA » ASbA student may engage in a work experience/placement at business <p>EMPLOYER:</p> <ul style="list-style-type: none"> » Apprenticeship Centre engaged » Registered Training Organisation selected » ASbA qualification selected » Sign up ASbA student | <p>EMPLOYMENT</p> <p>DOE ASbA TEAM:</p> <ul style="list-style-type: none"> » Supports ASbA student » Supports the business/industry » Reviews and monitors ASbA contract and compliance <p>SCHOOLS AND COLLEGES:</p> <ul style="list-style-type: none"> » Work with student on personal learning/transition plan » Support ASbA student towards TCE completion » Align courses and subjects that complement ASbA training <p>EMPLOYER:</p> <ul style="list-style-type: none"> » Ensures ASbA employment requirements are undertaken | <p>POST EMPLOYMENT AND TRAINING</p> <ul style="list-style-type: none"> » Progress ASbA into: <ul style="list-style-type: none"> – Part-time Apprenticeship – Full-time Apprenticeship – Full-time Employment » Continue with Industry Professional training » Continue with ongoing training <ul style="list-style-type: none"> – Certificate IV – Diploma » Pathway into University studies |

Electrotechnology

Certificate II in Electrotechnology (Career Start) is an entry-level qualification, which provides students with skills and knowledge that will support entry into a wide range of apprenticeships in the Electrotechnology industry.

This certificate focuses on developing knowledge and skills in all aspects of electrical work safety and gives foundation work and trade skills such as basic wiring, testing instruments, identifying electrotechnology components and fixing electrotechnology faults.

Progression

This certificate is suited to students who enjoy solving problems, working in a team environment, have an inquisitive nature, and understand the importance of risk management and workplace safety. The Certificate III in Electrotechnology is a trade qualification. This certificate provides the apprentice with “on-the-job training” combined with the required specialist skills to be ready to work in a diverse range of industries such as construction, mining, electrical power plants advanced manufacturing or as a maintenance electrician.

To gain entry into Certificate III in Electrotechnology (Electrician) or Certificate III in Instrumentation and Control, students will be required to enter into a recognised apprenticeship.

Example ASbA Qualification Advancement

| CERTIFICATE II | CERTIFICATE III | CERTIFICATE IV | DIPLOMA/ ASSOCIATE DEGREE | BEYOND |
|--|--|--|--|---|
| Certificate II in Electrotechnology (Career Start) | Certificate III in Electrotechnology (Electrician) Certificate III in Instrumentation and Control To gain entry to Certificate III in Electrotechnology students will require to have entered into a recognised apprenticeship with a Training Contract with an Apprenticeship Network Provider. | Certificate IV in Instrumentation and Control Certificate IV in Electrotechnology (Electrical Contracting) Certificate IV in Electrotechnology (Systems Electrician) | Diploma of Electric and Instrumentation Diploma of Electrical Engineering Diploma of Industrial Electronics and Control Engineering Advanced Diploma of Applied Science (Marine Electrical) Associate Degree in Engineering (Electrical) | Bachelor of Engineering (Electrical and Electronics) Bachelor of Engineering (Electrical Power) Bachelor of Applied Science |

* This is an example of Electrotechnology learning pathways a student may choose to follow.

Example Timeline ASbA Model

| EXAMPLE START | COMMENCING | PROGRESSION |
|-----------------|--|--|
| January Year 11 | ASbA – 24 months while at school for the completion of Certificate II Electrotechnology (Career Start) | Progress to Certificate III in Electrotechnology |

* ASbA students can be in Year 10, 11 or 12 – timeline for completion may vary depending on start date and the above timeline is an example only.



Example Complementary Subject Selections

POSSIBLE CHOICES

- » English Foundation 2
- » English Applied 2
- » English General 3
- » General Mathematics Foundation 2
- » General Maths 3
- » Maths Methods Foundation 3
- » Maths Methods 4
- » Work Readiness 2
- » Career and Life Planning 2
- » Certificate II in Skills for Work and Vocational Pathways
- » Electronics Foundation 2
- » Electronics 3
- » Design and Production 2
- » Technical Graphics Foundation 2
- » Engineering Design 2
- » Introduction to Certificate II in Electrotechnology (Career Start)
- » Introduction to Technology Trades
- » Certificate I in Engineering
- » Certificate I in ElectroComms Skills
- » Pathways Certificate II in Construction
Certificate I in Construction
- » Outdoor Experiences 1
- » Fitness Experiences 2
- » Outdoor Education 2
- » Business Studies 2
- » Computer Application 2

* Please note, subject to change, not all subjects and courses are available in all regions, or at all Year 11 and 12 schools and colleges. Check with specific school/college for more details.



For more information

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