# Electrical and Refrigeration

## Devon

***I knew in Year 10 that I wanted to do a SBAT***

#### Year 10

* Devon completed a Certificate II in Construction Pathways, and he was interested in becoming an electrician.
* He did his VWP with a local electrician and decided to pursue a SBAT so he could still attend school and achieve his NTCET.

#### Year 11 through to Year 12

* After being unsuccessful in securing an electrical apprenticeship, Devon’s VET Coordinator encouraged him to consider doing an aircon and refrigeration apprenticeship
* Over the school holidays Devon secured a SBAT with a local employer to undertake a Certificate III in Air Conditioning and Refrigeration
* Devon worked 2 days and school 3 days a week where he studied English, maths and one elective, plus a block week of study at TAFE.

#### Post school

* Devon transitioned into a full-time apprenticeship at the end of Year 12.
* He is progressing through his Certificate III in Air Conditioning and Refrigeration, with his training counting towards completing his NTCET.

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Year 10:** EIF, VETfSS Certificate II in Construction Pathways

**Year 11:** Stage 1 English and maths, and elective subjects (optional)

**Year 12:** Stage 2 English, maths (General Math or above), and elective subjects (optional)

**VET** – Certificate III in Air Conditioning and Refrigeration

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

## Christine

***I focussed on school first and got my NTCET and ATAR before starting my apprenticeship***

#### Year 10

* Christine started casual work with a local construction business, working weekends and school holidays.
* She had to obtain a White Card and complete Working Safely at Heights training.
* At work Christine spoke to an electrician and arranged to do her work experience with them during the school’s work experience week

#### Year 11

* Christine completed all her stage 1 subjects at school.
* She also started casual work as an electrical trade assistant on the weekends.

#### Year 12

* Christine continued working as a trade assistant and was offered a full-time apprenticeship when she finished school.
* She completed all her stage 2 subjects with a preference in maths, science and technology

#### Post school

* Christine achieved her NTCET and received an ATAR.
* She commenced a full-time apprenticeship, undertaking a Certificate III in Electrotechnology Electrician

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Year 10:** EIF

**Year 11:** Stage 1 English, maths, Elective subjects

**Year 12:** Stage 2 English, maths (General Math or above), Elective subjects.

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

## Lukas

***I was more interested in working towards a trade than going to school, but still wanted to achieve my NTCET***

#### Year 10

* Lukas completed a Certificate I in Construction.
* As part of his VETfSS program, he did his VWP with a local electrician.
* During his EIF subject, Lukas learnt about apprenticeships which helped with his subject selection for the following year.
* Lukas joined a mentoring program at school. His mentor gave him advice on how to pursue an apprenticeship.

#### Year 11

* Lukas joined the Transition to work program at school and did work experience with a local refrigeration business 2 days a week.
* Once his employer realised how committed Lukas was, they offered him casual employment.
* On the 3 days Lukas attended school he completed his stage 1 subjects and a Certificate II in Electrotechnology (Career Start) through VETfSS.
* Lukas’s employer was so impressed with his work, they offered him a full apprenticeship at the end of the year.

#### Year 12

* Lukas left school and commenced a full-time apprenticeship.

#### Post school

* Lukas is progressing through his Certificate III in Air Conditioning and Refrigeration apprenticeship, his training will count towards completing his NTCET.

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Year 10:** EIF, VETfSS Certificate I in Construction

**Year 11:** Stage 2 English, Maths (General Math or above), VETfSS Certificate II in Electrotechnology (Career Start)

**Year 12/VET:** Certificate III in Air Conditioning and Refrigeration

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

## Telisha

***Maths and English are important for my apprenticeship, so I prioritised these subjects on my days at school.***

#### Year 10

* Telisha joined a mentorship program for women in trades. She was interested in the electrical trade and her program mentors gave her guidance on how to pursue her goals.
* She completed a Certificate I in ElectroComms Skills and Certificate I in Engineering through VETfSS.
* Telisha was set on a career as an electrician, so she introduced herself to several local electrical businesses hoping to secure a SBAT. She used work experience as trials with potential employers and was eventually offered a SBAT opportunity.

#### Year 11 through to Year 12

* Telisha commenced a Certificate III in Electrotechnology Electrician SBAT and continued to receive support through the women in trades program.
* Telisha worked 3 days a week and went to school the remaining 2 days where she studied English, math, and elective subjects.

#### Post school

* Telisha has transitioned into a full-time apprenticeship and is progressing through her Certificate III in Electrotechnology Electrician, with her training counting towards completing her NTCET.

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Year 10:** EIF, VETfSS Certificate I in ElectroComms Skills and Certificate I in Engineering

**Year 11/12:** Stage 1 English, maths, elective subjects (optional)

**VET** – Certificate III in Electrotechnology Electrician

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

## Thao

***I was planning to go to university until I discovered that an apprenticeship was a better option for me.***

#### Year 10

* Thao always enjoyed STEM subjects and knew he wanted to study a degree at university.
* He completed a Certificate I in Construction through VETfSS.
* Thao participated in VWP with a local construction business, this was his first taste of different construction jobs like roofing, electrical and carpentry.

#### Year 11

* Thao was on an academic pathway and was working hard towards achieving a high ATAR.
* He didn’t take any VETfSS programs and chose challenging academic elective subjects at school such as physics, specialist maths and chemistry.
* Thao attended a VET Careers Expo where he spoke to an electrical engineer. He was inspired by the engineer and started researching more about the occupation.
* He learnt that completing the electrical trade before the engineering degree was the best approach to becoming a skilled electrical engineer.

#### Year 12

* Thao applied for several full-time electrical apprenticeships and was successful.
* He left school and commenced a full-time apprenticeship.

#### Post school

* Thao is progressing through his Certificate III in Electrotechnology Electrician apprenticeship, with his training counting towards completing his NTCET.
* He plans to apply for university when he finishes his Certificate III and study towards becoming an Electrical Engineer.

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Year 10:** EIF, VETfSS Certificate I in Construction

**Year 11:** Stage 2 English, Specialist Math, elective subjects

**Year 12/VET:** Certificate III in Electrotechnology Electrician

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

## Jami

***I started as a SBAT in Year 10 and left school to work fulltime in Year 12.***

#### Year 10

* Jami was doing casual work for a family friend in the holidays before the school year started. They were impressed by her work ethic and initiative and offered her the opportunity to start a SBAT, undertaking a Certificate III in Electrotechnology Electrician
* Jami worked 2 days and went to school 3 days a week, where she completed a Certificate I in Construction through VETfSS, English and maths.

#### Year 11

* Jami continued her Certificate III in Electrotechnology Electrician and transitioned to 3 days at work and 2 days at school.
* She completed all her compulsory subjects and one elective subject.

#### Year 12

* Jami left school and transitioned into a full-time apprenticeship.

#### Post school

* Jami is continuing to progress through her Certificate III in Electrotechnology Electrician apprenticeship, with her training counting towards completing her NTCET.

#### Example NTCET Pattern (EIF, Stage 1 English and math are compulsory for NTCET)

**Yr 10:** EIF, VETfSS Certificate I in Construction

**Yr 11:** Stage 1 English, maths (General math or above), elective subject

**Year 12/VET:** Certificate III in Electrotechnology Electrician

Always speak to your school Career Advisor or VET Coordinator to plan your subjects.

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| ACRONYMS |  |
| **ATAR** | Australian Tertiary Admission Rank |
| **EIF** | Exploring Identities and Futures |
| **FIFO** | Fly In, Fly Out (mining sector) |
| **NTCET** | Northern Territory Certificate of Education and Training |
| **SBAT** | School-Based Apprenticeship or Traineeship |
| **STEM** | Science, Technology, Engineering and Mathematics |
| **TAFE** | Technical and Further Education (also referred to as trade school) |
| **VETfSS** | Vocational Education and Training for Secondary Student |
| **VWP** | Vocational Work Experience |