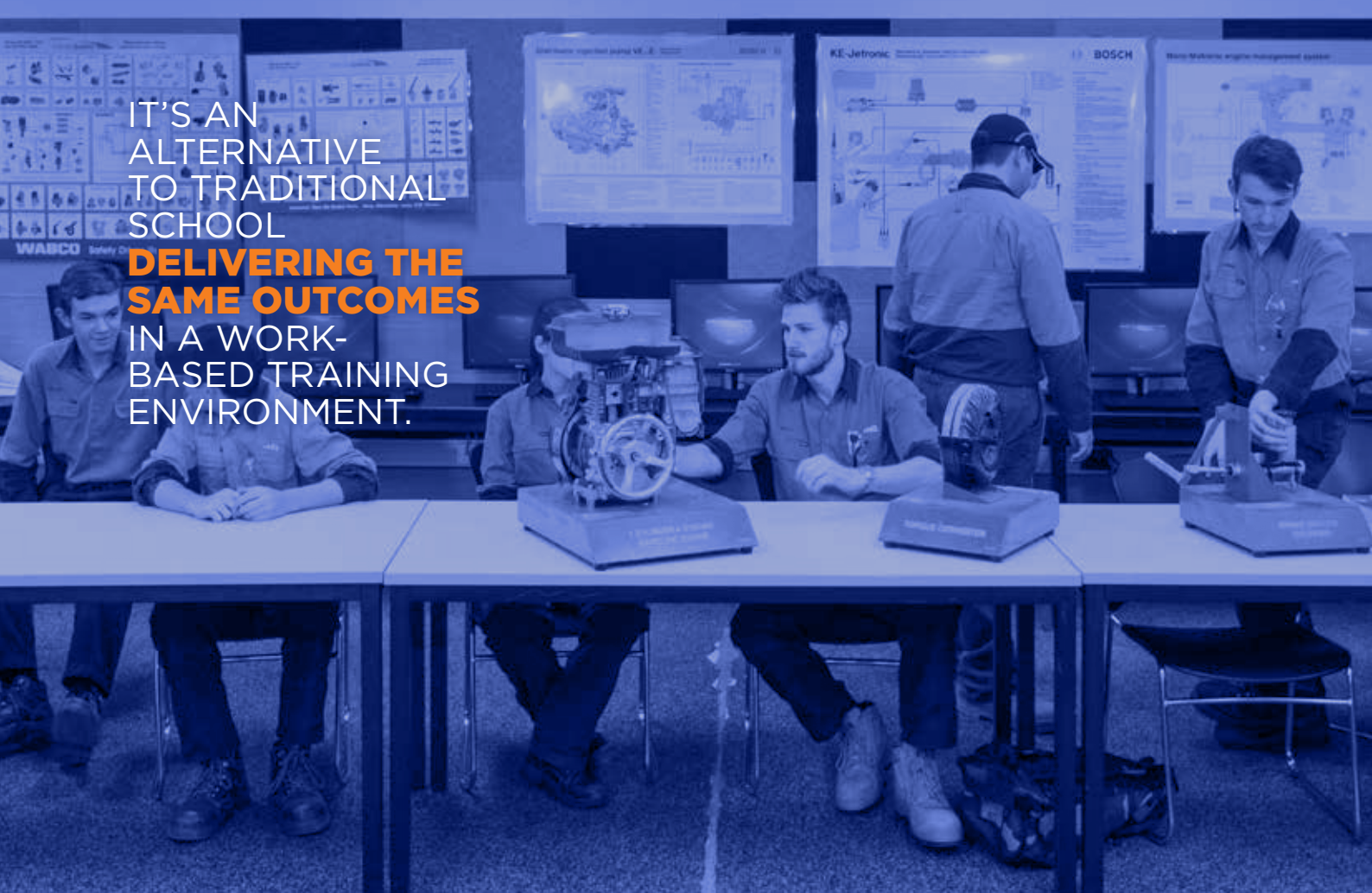# SCHOOL PROSPECTUS

TEC-NQ. YOUR SENIOR SCHOOL. YOUR TRADE SCHOOL. **YOUR CAREER READY PATHWAY.** YOUR STEPPING STONE TO FURTHER EDUCATION. YOUR TRANSITION TO WORK.

TecNQ

Training • Education • Careers

Tec-NQ Ltd RTO # 31444

TEC-NQ IS DIFFERENT
IT'S LEARNING IN ACTION

IT'S AN ALTERNATIVE TO TRADITIONAL SCHOOL **DELIVERING THE SAME OUTCOMES** IN A WORK-BASED TRAINING ENVIRONMENT.

WELCOME TO TEC-NQ

Wadda Mooli, Language of the Bindal People, *Ahgan Nubal Naybal* Language of the Wulgurukaba People

Tec-NQ is different. It's an alternative to traditional school delivering the same outcomes in a work-based training environment.

Tec-NQ is a Senior School.

• Accredited Senior School and Boarding School for Years 10 to 12

• Queensland Certificate of Education (QCE) Outcome

• Registered Teachers

Tec-NQ is Different to Traditional School.

• Contextualised and Project-based Curriculum

• Integrated Work Experience

• Vocational Pathways to Tertiary Education (P-TECH)

Tec-NQ is also a Registered Training Organisation (RTO).

• Nationally Recognised Qualifications

• Qualified Facilitators

• Flexible and Career Specific Training

If you want to learn the real skills in demand by industry, Tec-NQ is the best place to complete your senior education.

Tec-NQ pays its respects to the past, present and emerging elders of the Bindal and Wulgurukaba people. They are the traditional custodians of the land on which Tec-NQ was founded.

Social Enterprise

Education is key to individual growth.

Here in North Queensland, access to education and training has a significant influence on community, economic and social development.

We are committed to delivering targeted education and training programs that respond to the changing needs of the students, apprentices, employers and the community. Our trainers and support staff have the industry expertise and commitment to deliver excellence in teaching and learning. Student apprentices deserve the finest instruction, resources and services to enhance their growth and development.

Tec-NQ works closely with corporate and community partners to enrich and extend the educational and career opportunities for students in the region and beyond. Industry in North Queensland is the driving force behind Tec-NQ, and Tec-NQ is ideally structured to develop skilled tradespeople.

OPERATIONAL SUCCESS

Like many organisations, Tec-NQ has a strategic vision that leads Tec-NQ's corporate direction. The Vision is defined by Tec-NQ's industry-led Board of Directors and is reviewed annually to ensure its currency.

Vision:

CREATING EMPLOYABILITY & SUCCESS THROUGH INDUSTRY SKILLS, EXPERIENCE & SUPPORT

Philosophy and Aims

Promoting excellence and equality by delivering Australian education and trade training to provide employment solutions, workforce capability and prosperity in our communities.

Our value proposition is to achieve academic outcomes and to support transition of students from school to the work environment through:

1)   Promoting excellence and opportunity for all in training and education through:

• Developing strong partnerships with industry and community; and

• Providing quality teaching, mentoring and support that promotes industry skills, resilience and mental health.

2)   The delivery of an integrated trade/ academic curriculum facilitating:

• Active and successful life-long learners;

• Confident, creative, work ready and employable young men and women; and

• Excellence in trade and academic skills that creates active and informed members of the community.

TEC-NQ'S **CONTEXUALISED APPROACH TO EDUCATION** HAS LED THE EVOLUTION OF THE COLLEGE SINCE ITS INCEPTION IN 2007.

Tec-NQ Values:

• Innovative Solutions

• Industrious Attitudes

• Delivering Value to Stakeholders

• Safety in the Workplace

Tec-NQ's operational strategy is diversified to guard against fluctuations in government policy and the local economy. This ensures the financial stability of the senior school and continuation of enrolments.

Business Segments:

• Senior School

• Training

• Short Courses

• Boarding

Tec-NQ is a senior non-state school accredited by the Non-State Schools Accreditation Board (NSSAB) to deliver Year 10, 11 and 12 senior subjects at its site at 54 Discovery Drive in Douglas Queensland and at and 44 Bowen Road in Rosslea Queensland.

The senior school is funded as an independent school. Like other independent schools, Tec-NQ relies on an annual tuition paid by its students to support its operations. Tuition supports costs aligned with the industry team who support Tec-NQ's employer networks and enrolments.

Mission

Tec-NQ is a North Queensland-based vocational education facility that partners with industry and community to deliver trade-based career opportunities through training and education.

TEC-NQ'S ORIGIN

Tec-NQ emerged as a cutting edge solution to address trade skill shortages in 2005 through an environmental scan commissioned by the Townsville City Council. The unified support of community leaders and local industry saw the state-of-the-art facility (then known as the Australian Technical College – North Queensland (ATCNQ)) built in under six months with funding from the federal government under the Australian Technical Colleges Bill 2005.

As a result of a change in Federal Government and a shift in policy, ATCNQ became Tec-NQ through a Deed of Variation signed on 24th December 2009. Today, Tec-NQ continues to operate in alignment with the foundational legislation for the Australian Technical Colleges.

Excerpt From the Act:

"4 Principal object of Act

The principal object of this Act is to provide for the establishment and operation of Australian Technical Colleges in order to provide trade skills training, education and mentoring for young Australians through:

(a) promoting pride and excellence in trade skills training for young people; and

(b) providing skills and education in a flexible learning environment to build a solid basis for secure and rewarding careers; and

(c) adopting a new industry-led approach to providing education and training in partnership with local communities; and

(d) establishing an industry-led governing council for each Australian Technical College that is to set out strategic directions and performance objectives for the College and select the principal of the College; and

(e) providing trade training that is relevant to industry and that leads to nationally recognised qualifications through School-Based New Apprenticeships, and academic and vocational education that is relevant to trade careers and that leads to a Year 12 Certificate; and

(f) ensuring the autonomy of the principal of each Australian Technical College to manage the College, to select the best staff and to meet the targets and performance measures set by the governing council of the College; and

(g) encouraging an environment of freedom and reward for effort for the staff of Australian Technical Colleges through flexible employment arrangements which provide rewards linked to excellent performance."

Source: Australian Technical Colleges Act 2005

Tec-NQ introduced training for full time apprentices in 2009, thus creating the opportunity for school-based apprentices to continue their training with Tec-NQ post-graduation. Tec-NQ continues to train both school-based and full time apprentices.

In 2015, Tec-NQ introduced Tec-PREP. Commencing mid-year in Year 10, Tec-PREP features "Try Every Trade" and academic skill building to prepare students to undertake industry specific Year 11 and 12. Tec-NQ commenced full Year 10 studies in 2019, introducing contextualized health and physical education, science and history subjects.

In August 2016, a ministerial announcement was made by Federal Minister for Education and Training, Simon Birmingham indicating that Tec-NQ would be one of the 12 new Pathways in Technology (P-TECH) pilots in Australia. The pilots were part of a $4.6 million commitment to open up new avenues for students by linking schools with businesses in local communities that offer job opportunities.

In his announcement, Minister Birmingham stated, "Tec-NQ is already a national leader in terms of providing apprenticeships and traineeships, but this will allow it to expand in terms of commitment to the STEM disciplines and support in those areas." The P-Tech pathway for engineering and electrical students commenced in 2019.

In 2019, Tec-NQ was recognised as a Gateway to Industry School for the Minerals and Energy and Advanced Manufacturing sectors. I

In 2020, Tec-NQ was recognised as a Gateway to Industry School for Construction and Health.

Tec-NQ remains a community-based, not-for-profit organisation and continues to operate in alignment to the Principal Object of the Australian Technical Colleges Act 2005.

"TEC-NQ IS **ALREADY A NATIONAL LEADER** IN TERMS OF PROVIDING APPRENTICES AND TRAINEESHIPS, BUT THIS WILL ALLOW IT TO EXPAND IN TERMS OF COMMITMENT TO THE STEM DISCIPLINES"

A WORK-BASED EDUCATION

Tec-NQ is designed to engage students in the applied use of problem solving, communication, critical thinking, digital and practical skills in demand for today's 21st century jobs.

To allow students to develop these skills, the curriculum has been designed to support "active" learning, where students are actively involved and learn in the context of how the skills and knowledge are to be used in industry.

THIS IS A STEP AWAY FROM THE TRADITIONAL "PASSIVE" TEACHER-DIRECTED LEARNING.

Tec-NQ aims to deconstruct the "traditional school" mindset of students. They learn to invest in their future by valuing their own development.

Students learn from professional academic and trade qualified facilitators with the capacity to develop projects that mirror work undertaken in industry. This gives students the opportunity to build skills in a "real" rather than a "simulated" environment.

Training with Tec-NQ allows for a supported and guided transition to the workplace, by ensuring that students develop the necessary skills to take responsibility for their own learning once they transition to the workforce.

By combining an authentic trade education with real industry support and experience, Tec-NQ successfully supports students in their transition from school to work.

Learning Management System (LMS)

Tec-NQ's Learning Management System (LMS) is an internet-based system containing all of the required activities and assessment items for each of the learning areas.

The LMS is accessible via the Tec-NQ website, allowing students the flexibility of completing a proportion of their work from home.

TEC-NQ IS A GATEWAY TO INDUSTRY SCHOOL FOR ADVANCED MANUFACTURING, MINERALS AND ENERGY, HEALTH, AND CONSTRUCTION..

YOUR
SENIOR SCHOOL

Three Opportunities to Enrol

The Senior School features three enrolment points across Year 10 and 11. In Year 10, students undertake employability focused academic studies and immersion programs and can choose whether they commence Year 10 in January or July. Year 11 studies commence in January. Year 11 and 12 studies are career specific offering academic and vocational outcomes upon successful completion of Year 12.

OPTION 1	OPTION 2	OPTION 3
JANUARY START	JULY START	JANUARY START
Year 10	Year 10	Year 11
EMPLOYABILITY FOCUS	TRY-EVERY-TRADE	CAREER SPECIFIC

YEAR 10

Academically speaking, Year 10 is a transitional year where students identify their career aspirations to determine the senior studies options that align with their goals.

Year 10 students participate in practical skill building that relate to pre-apprenticeship pathways offered in Year 11 and 12. These trade immersions are designed to provide valuable life skills to students while preparing them to make informed decisions about the trade or vocational pathway that is right for them.

During trade immersions, students get hands-on experience while building an understanding of each of the trades.

Skill Building Subjects

• Electrotechnology

• Automotive

• Carpentry

• Plumbing

• Engineering Pathways

• Health

Each skill building subject is delivered by a trade qualified facilitator with experience within industry.

Certificate ll in Hospitality

The January intake year 10 students travel to our state of the art Bowen Road facility where they undertake training in food and beverage preparation, safe food handling techniques and core skills relating to the food service industry.

Core Subjects

The Australian Curriculum sets the goal for what all students should learn as they progress through their school life regardless of where they live in Australia and whichever school they attend.

At Tec-NQ, core subjects align to Australian Curriculum standards with contextualisation to industrial applications, workplace practices and life skills.

WHY
YEAR 10?

Direct Entry into Year 11

Students who successfully complete Year 10 are not required to complete an aptitude test to enrol in Year 11.

First in Line for Trade

Year 10 students have priority in selecting their chosen trade for Year 11 and 12 studies.

An Informed Decision

On average, one third of students who complete Year 10 change their original trade preference upon completion.

English focuses on developing confidence and skill in effective language use, understanding and analysing varied text, and exploring aspects of social integrity and personal growth. It also plays a key role in developing basic literacy skills that are fundamental to participating in the workplace and that enable students contribute in modern society.

Mathematics focuses on observing and investigating industrial patterns and relationships. The ability to model and understand the practical application of mathematical functions is a sought after skill set in the modern workplace.

Broad topics include:
• Number and Algebra – compound interest, factorisation of algebraic expressions, algebraic simplification, using the index laws, algebraic fractions, quadratic expressions and factorisation thereof, use of formulae, linear equations and simultaneous equations.

• Measurement and Geometry – surface area and volume of prisms and composite solids, proofs involving congruency, Pythagoras' Theorem and trigonometric problem solving.

• Statistics and Probability – two- and-three step experiments with or without replacement, conditional probability, quartiles, interquartile range, boxplots, scatterplots and linear regression

Science develops students' curiosity and sense of wonder as they acquire the practices and dispositions of working in an analytic way and use them to explain, predict and reconstruct their understandings of the physical and biological worlds. Students come to understand how science informs industrial practices and technological advancements.

Topics covered:
• Biological Sciences – genetics and evolution

• Chemical Sciences – periodic table and rates of reactions

• Earth and Space Sciences – origin of the universe and global systems

• Physical Sciences – energy conservation and describing motion using the laws of physics

• Preparation unit for Senior Science subjects.

History involves the study of human societies, their environments, their cultures and their everyday lives, fostering valuable and practical skills for life beyond the classroom.

Health and Physical Education focuses on developing the knowledge, processes, skills and attitude necessary to make informed decisions related to fitness for work. Learning activities are focused on social, physical and mental wellbeing.

Queensland Curriculum Assessment Authority (QCAA) Accredited Short Courses

Short Courses are one-unit courses of study that are suited to students who are interested in pathways beyond school that lead to vocational education and training or work.

Short Courses may contribute one credit towards a QCE.

Career Education In Career Education, students analyse skills and capacities needed for 21st century industrial workplaces including appropriate communication skills, collaboration and teamwork.

Literacy In Literacy, students experiment with different modes, mediums and forms to create new texts and understand the power of language to represent ideas, events and people.

Numeracy Students select and use mathematical and problem-solving strategies, investigate industrial situations using various mathematical methods to find solutions and evaluate outcomes.

Work Experience Work Experience is a key element of workplace preparation. Year 10 students participate in one week of work experience in semester two to gain valuable exposure to the workplace and put employability skills into practice.

YEAR 11 & 12
SENIOR STUDIES

Tec-NQ is the best place for students to complete a trade-based senior school education. Students learn what it means to be work ready and demonstrate skills in demand by industry. The education program is defined by industry and supported by registered teachers and qualified trades people who have worked within it.

Students who successfully complete their Year 11 and 12 senior studies will attain the following outcomes.

• Queensland Certificate of Education
• Pre-Apprenticeship Qualification or
  Apprenticeship Progression (if employed)
• Construction Industry White
  Card (where applicable)
• Core Skills For Work Qualifications
• First Aid Certificate

HOW TO ACHIEVE
YOUR QCE (SET PLAN)

The Queensland Certificate of Education (QCE) is Queensland's senior schooling qualification, which is awarded to eligible students usually at the end of Year 12. A wide range of learning can contribute towards the QCE including:

• Senior School Subjects

• Vocational Education and Training (VET)

• Workplace Learning Recognised by the QCAA

• University Subjects Undertaken While at School

To be eligible for a QCE, students must achieve a minimum of 20 credit points. At Tec-NQ, units are offered in configurations to suit each of the vocational pathways.

Points are awarded for a minimum Sound Achievement.

ACADEMIC CURRICULUM

Queensland Curriculum & Assessment Authority (QCAA) Subjects

Tec-NQ's academic subjects have been selected based on their relevance towards the career specific pathways offered by Tec-NQ. Subjects are contextualised towards each of the career pathways and personal growth. Contextualisation ensures that students understand the application of subject matter within their industry and adult life.

Tec-NQ's team of registered teachers deliver QCAA approved academic subjects that contribute towards the Queensland Certificate of Education (QCE). Teachers work directly with trade facilitators in contextualising the content.
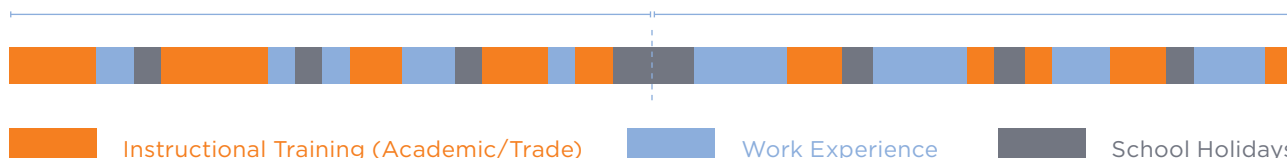
QSMART (Senior Maths/Science)

Tec-NQ is an approved provider of QSMART, a maths and science program designed by the Queensland Minerals and Energy Academy (QMEA).

The Maths Facilitators at Tec-NQ have used the subjects defined by the QSMART program to develop learning experiences specific to each of the trades offered by Tec-NQ. This content has been established in consultation with our qualified trade trainers.

QSMART Course 1 - Unit	Learning Experiences
Applications in Occupational Health and Safety	Safe Exposure Limits (SEL), Air-borne Contaminant 'ceiling levels'
Measurement and Calculation in the Workplace	Units of Measure, Area and Volume, and Pythagoras Theorem
Financial Applications 1	Wages, Salaries, Timesheets and Award Rates
Science in the Workplace 1 (Mechanical Advantage)	Forces, Levers, Pulleys, Gears, and Simple Machines
Measurement and Calculation in the Workplace 2	Scale, Ration and Trigonometry
Science in the Workplace 2 (Structure of Materials)	Atomic and Molecular Structure
QSMART Course 2 - Unit	**Learning Experiences**
Science in the Workplace 3 (Properties of Materials)	Ferrous/Non-Ferrous Metals - Malleability, Ductility and Conductivity
Science in the Workplace 4 (Electrical Fundamentals)	Energy, Work and Power, and Circuits (DC/AC)
Financial Applications 2	Taxation (PAYG, GST and Medicare Levy)
Measurement and Calculation in the Workplace 3	Similarity, Sine / Cosine / Tan Ratios
Science in the Workplace 5	Electrolysis and Corrosive Environments
Financial Applications 3	Sources of Credit, Loans, and Simple/Compound Interest

YEAR 11   **YEAR 12**

Instructional Training (Academic/Trade)   Work Experience   School Holidays

Essential English

Essential Communications uses the Essential English subject defined by the QCAA to develop and refine students' understanding of language, literature and literacy enabling them to interact confidently and effectively with others in everyday, community and social contexts.

At Tec-NQ, the focus on career readiness includes an investigation and reporting on career pathways. This is followed by the development of individual work-ready portfolios that students can continuously update and use to pursue employment. Remaining units explore the values and attitudes represented in texts encouraging students to understand, accept or challenge the situations presented. These units aim to develop personal growth and social integrity both in the workplace and in life.

Year	Unit	
11	U1IA1	Career Pathways
	U1IA2	Work Ready
	U2IA3	Bystander Effect
	U2IA4	Making a Change
12	U3IA1	Public Service Announcements
	U3IA2	Responding to Texts
	U4IA3	Youth and Road Trauma
	U4IA4	The Story of Tom Brennan

Pre-apprenticeship Qualification

At Tec-NQ, students undertake a pre-apprenticeship qualification as part of their trade pathway and Senior Education and Training (SET) Plan.

If a student is employed* as an apprentice, eligible units of competency from the pre-apprenticeship qualification are credit transferred to the Certificate III qualification specified by their employer. Students who attain an apprenticeship progress towards an Apprenticeship Qualification (Certificate III).

Core Skills for Work

Core Skills for Work consists of a combination of vocational qualifications that prepare students for the workplace and / or further study.

Core Skills for Work pathways contribute to Queensland Certificate of Education (QCE) attainment.
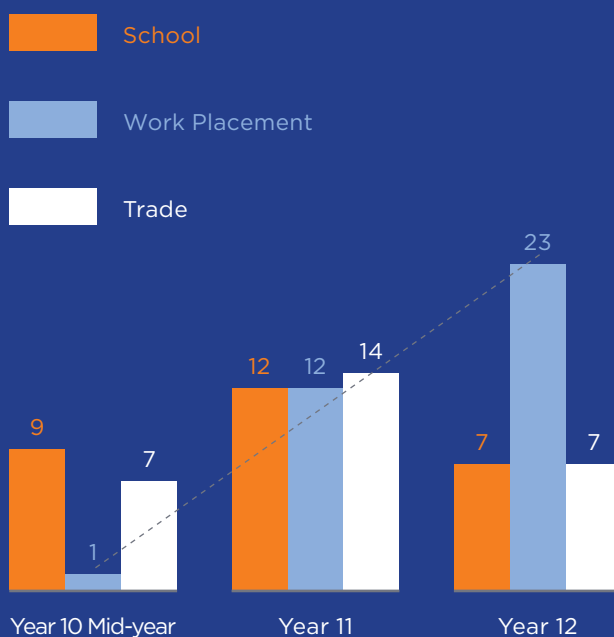
Work Placement

Work placement is an important part of Tec-NQ's approach to training and career development. Being involved in work experience activities gives students new opportunities to build on their existing job skills, learn new skills, network with employers and improve their chances of finding a job.

Students who meet the standards outlined in Tec-NQ's Earn the Right to Work framework benefit from work placement support.

Tec-NQ's team of industry liaison officers work closely with industry networks to support work placements and apprenticeships for students.

Work placement is integrated into the senior school timetable as part of senior studies. Work placement blocks increase in duration as students progress, encouraging a progressive transition from school to work.

Tec-NQ does not guarantee that students will be employed. Employment is at the discretion of the employers. Tec-NQ does enlist the support of an engaged network of hundreds of employers to support work placement and, when possible, employ apprentices within their workplace.

Legend:
- School
- Work Placement
- Trade

Bar chart data:
	School	Work Placement	Trade
Year 10 Mid-year	9	1	7
Year 11	12	12	14
Year 12	7	23	7

AUTOMOTIVE PATHWAY

Pre-Apprenticeship Qualification:
Certificate II in Automotive Vocational Preparation

This qualification reflects the role of individuals who perform a range of servicing tasks in the automotive retail, service and repair industry.

Potential Apprenticeship Pathways	
AUR30620 Certificate III in Light Vehicle Mechanical Technology*	This qualification reflects the role of individuals who perform a broad range of tasks on a variety of light vehicles in the automotive retail, service and repair industry.
AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology*	This qualification reflects the role of individuals who perform a broad range of tasks on a variety of light vehicles in the automotive retail, service and repair industry.
AUR31220 Certificate III in Mobile Plant Technology*	This qualification reflects the role of individuals who perform a broad range of tasks on a variety of mobile plant machinery in the automotive retail, service and repair industry.

NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Educational and Vocational Outcomes

Automotive Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate II in Automotive Vocational Preparation

Core Skills for Work – Trade Skill Extensions

Information Technology is a valuable program for trade students seeking to enhance their skill set. With a focus on practical knowledge, it equips them with essential IT competencies, enabling them to troubleshoot, maintain, and optimise technology systems—an indispensable asset in today's digitalised and interconnected work environments.

Workplace Skills equips trade students with essential skills for success in their chosen industry. Covering areas such as communication, teamwork, problem-solving, and occupational health and safety, this qualification enhances their employability and ensures a seamless transition into the workplace.

Work Placement

Students who meet the standards outlined in Tec-NQ's Earn the Right to Work framework benefit from work placement support. Tec-NQ's team of industry liaison officers work closely with industry networks to support work placements and apprenticeships for students.

Work placement is timetabled throughout the school terms in regular intervals. Work placement blocks increase in duration as students progress, encouraging a progressive transition from school to work.

Transitional Timetable
Work Experience

Year 11	Year 12
Up to 12 weeks	Up to 23 weeks

Transitional Timetable
Academic

Year 11	Year 12
Up to 12 weeks	Up to 7 weeks

Transitional Timetable
Trade

Year 11	Year 12
Up to 14 weeks	Up to 7 weeks

CARPENTRY
PATHWAY

Pre-Apprenticeship Qualification:
Certificate I in Construction

This qualification provides an introduction to the construction industry, its culture, occupations, job roles and workplace expectations. The units of competency cover essential work health and safety requirements, the industrial and work organisation structure, communication skills, work planning, and basic use of tools and materials. The qualification is built around a basic construction project unit that integrates the skills and embeds the facets of employability skills in context.

Potential Apprenticeship Pathways	
CPC30220 Certificate III in Carpentry*	This is a trade qualification for carpenters in residential and commercial workplaces. It includes setting out, manufacturing, constructing, assembling, installing and repairing products made using timber and non-timber materials. Occupational titles may include: • Carpenter - Commercial • Carpenter - Formwork • Carpenter - Residential

*NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Educational and Vocational Outcomes

Carpentry Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate I in Construction

Core Skills for Work – Trade Skill Extensions

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Work Placement

Students who meet the standards outlined in Tec-NQ's Earn the Right to Work framework benefit from work placement support. Tec-NQ's team of industry liaison officers work closely with industry networks to support work placements and apprenticeships for students.

Work placement is timetabled throughout the school terms in regular intervals. Work placement blocks increase in duration as students progress, encouraging a progressive transition from school to work.

Transitional Timetable
Work Experience

Year 11	Year 12
Up to 12 weeks	Up to 23 weeks

Transitional Timetable
Academic

Year 11	Year 12
Up to 12 weeks	Up to 7 weeks

Transitional Timetable
Trade

Year 11	Year 12
Up to 14 weeks	Up to 7 weeks

P-TECH PATHWAY

Students who successfully complete P-Tech pathways keep their options open for a trade apprenticeship or university. It's a great pathway for students who aren't 100% decided on what they want to do when the finish school.

Certificate II in Electrotechnology (Career Start)

This qualification covers competencies for work entry program providing grounding in safety and basic skills and knowledge for work in any electrotechnology discipline.

Certificate III in Engineering Technical

The Certificate III in Engineering Technical equips students for systems thinking and industrial planning. Students learn foundational engineering skills, electrical principles and industrial applications of technology. Skills include principles of design and drafting, inspection, quality control, supplier evaluation, non destructive testing, and design and development work (prototypes) in both product and process areas.

Potential Apprenticeship Pathways	
UEE30820 Certificate III in Electrotechnology	This qualification provides individuals with the skills and knowledge to select, install, set up, test, fault find, repair and maintain electrical systems and equipment in buildings and premises. It includes Electrical Regulatory Authority Council (ERAC), or their successor's, Essential Performance Capabilities for an 'Unrestricted Electrician's license'.
UEE33020 Certificate III in Electrical Fitting	This qualification provides competencies to manufacture, fit, assemble, erect, operate, test, fault find, alter and repair electrical equipment and includes electrical wiring work only if that work is associated with assembling, maintaining, terminating or altering the wiring between electrical components within a plant or machinery.
MEM30522 Certificate III in Engineering - Technical	Trainees undertaking this role will be engaged in production planning, including scheduling, work study, and estimating materials, handling systems and like work.
MEM30219 Certificate III in Engineering – Mechanical Trade	The skills associated with this qualification are intended to apply to a wide range of mechanical trade work, including undertaking fitting, assembly, manufacture, installation, modification, testing, fault finding, maintenance and service of mechanical equipment, machinery and the use of machine tools.
MEM31419 Certificate III in Engineering – Fixed and Mobile Plant and Equipment	The skills associated with this qualification are intended to apply to a wide range of trade work including manufacturing, assembly and commissioning of mobile and stationary plant, servicing, diagnosis and rectification of faults, condition monitoring, and preventative maintenance.
MEM31922 Certificate III in Engineering – Fabrication Trade	The skills associated with this qualification are intended to apply to a wide range of fabrication work, including undertaking metal fabrication, structural steel erection, sheetmetal work, welding, blacksmithing and surface finishing.

NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Potential Further Study Pathways	
Diploma of Higher Education (Engineering Stream) To directly enrol into the Bachelor of Engineering (Honours)	Advanced Standing for the Diploma of Higher Education (4 out of 8 units) at James Cook University. Directly enrol into the Bachelor of Engineering (Honours) at James Cook University upon successful completion of the Diploma of Higher Learning.
Bachelor of Technology and Innovation	Directly enrol into the Bachelor of Technology and Innovation at James Cook University.

Educational and Vocational Outcomes

P-Tech Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate III in Engineering Technical
	Certificate II in Electrotechnology (Career Start)

Core Skills for Work – Trade Skill Extensions

Information Technology is a valuable program for trade students seeking to enhance their skill set. With a focus on practical knowledge, it equips them with essential IT competencies, enabling them to troubleshoot, maintain, and optimise technology systems—an indispensable asset in today's digitalised and interconnected work environments.

Work Placement

Students who meet the standards outlined in Tec-NQ's Earn the Right to Work framework benefit from work placement support. Tec-NQ's team of industry liaison officers work closely with industry networks to support work placements and apprenticeships for students.

Work placement is integrated into the senior school timetable as part of senior studies. Work placement blocks increase in duration as students progress, encouraging a progressive transition from school to work.

Transitional Timetable
Work Experience

Year 11	Year 12
Up to 9 weeks	Up to 21 weeks

Transitional Timetable
Academic

Year 11	Year 12
Up to 12 weeks	Up to 8 weeks

Transitional Timetable
Trade

Year 11	Year 12
Up to 17 weeks	Up to 8 weeks

ELECTRICAL
PATHWAY

Pre-Apprenticeship Qualification:
Certificate II in Electrotechnology (Career Start)

This qualification covers competencies for work entry program providing grounding in safety and basic skills and knowledge for work in any electrotechnology discipline.

Potential Apprenticeship Pathways	
UEE30820 Certificate III in Electrotechnology	This qualification provides individuals with the skills and knowledge to select, install, set up, test, fault find, repair and maintain electrical systems and equipment in buildings and premises. It includes Electrical Regulatory Authority Council (ERAC), or their successor's, Essential Performance Capabilities for an 'Unrestricted Electrician's license'.
UEE33020 Certificate III in Electrical Fitting	This qualification provides competencies to manufacture, fit, assemble, erect, operate, test, fault find, alter and repair electrical equipment and includes electrical wiring work only if that work is associated with assembling, maintaining, terminating or altering the wiring between electrical components within a plant or machinery.

NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Educational and Vocational Outcomes

Electrical Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate II Electrotechnology (Career Start)

Core Skills for Work – Trade Skill Extensions

Information Technology is a valuable program for trade students seeking to enhance their skill set. With a focus on practical knowledge, it equips them with essential IT competencies, enabling them to troubleshoot, maintain, and optimise technology systems—an indispensable asset in today's digitalised and interconnected work environments.

Workplace Skills equips trade students with essential skills for success in their chosen industry. Covering areas such as communication, teamwork, problem-solving, and occupational health and safety, this qualification enhances their employability and ensures a seamless transition into the workplace.

Work Placement

Students who meet the standards outlined in Tec-NQ's Earn the Right to Work framework benefit from work placement support. Tec-NQ's team of industry liaison officers work closely with industry networks to support work placements and apprenticeships for students.

Work placement is timetabled throughout the school terms in regular intervals. Work placement blocks increase in duration as students progress, encouraging a progressive transition from school to work.

Transitional Timetable
Work Experience

Year 11	Year 12
Up to 12 weeks	Up to 23 weeks

Transitional Timetable
Academic

Year 11	Year 12
Up to 12 weeks	Up to 7 weeks

Transitional Timetable
Trade

Year 11	Year 12
Up to 14 weeks	Up to 7 weeks

ENGINEERING
PATHWAY

Pre-Apprenticeship Qualification:
Certificate II in Engineering Pathways

The Certificate II in Engineering Pathways qualification is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in that area. This qualification will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment

Potential Apprenticeship Pathways	
MEM30219 Certificate III in Engineering – Mechanical Trade	The skills associated with this qualification are intended to apply to a wide range of mechanical trade work, including undertaking fitting, assembly, manufacture, installation, modification, testing, fault finding, maintenance and service of mechanical equipment, machinery and the use of machine tools.
MEM31419 Certificate III in Engineering – Fixed and Mobile Plant and Equipment	The skills associated with this qualification are intended to apply to a wide range of trade work including manufacturing, assembly and commissioning of mobile and stationary plant, servicing, diagnosis and rectification of faults, condition monitoring, and preventative maintenance.
MEM31922 Certificate III in Engineering – Fabrication Trade	The skills associated with this qualification are intended to apply to a wide range of fabrication work, including undertaking metal fabrication, structural steel erection, sheetmetal work, welding, blacksmithing and surface finishing.

NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Educational and Vocational Outcomes

Engineering Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate II Engineering Pathways

Core Skills for Work – Trade Skill Extensions

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Work Experience

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Up to 12 weeks	Up to 23 weeks

Transitional Timetable
Academic

Year 11	Year 12
Up to 12 weeks	Up to 7 weeks

Transitional Timetable
Trade

Year 11	Year 12
Up to 14 weeks	Up to 7 weeks

HEALTH
PATHWAY

Pre-Apprenticeship Qualification:
**Certificate II in Health Support Services
and Certificate III Qualification in a Health
related field**

The Certificate II in Health Support Services
qualification reflects the role of workers who provide
support for the effective functioning of health
services.

At this level workers complete tasks under
supervision involving known routines and
procedures or complete routine but variable tasks in
collaboration with others in a team environment.

Potential Traineeship Pathways	
Certificate III Qualification in a Health Related Field	The trainee undertaking this role will be working in a team environment providing services to clients in a health care setting. The trainee will acquire and develop skills in the following: • knowing the roles and responsibilities of all staff in the operating theatre • having a basic understanding of the theatre environment • carrying out activities within the operating theatre whilst abiding by principles of workplace health and safety and infection control • carrying out safe procedures for theatre equipment use • carrying out theatre set-ups to appropriate standards, and • carrying out manual handling and knowing how to correctly move equipment and transport patients/clients.
Potential Occupational Outcome	
Assistant in Nursing (AIN)	AIN's comply with infection prevention and workplace health and safety (WHS), interpret and apply medical terminology, and recognise healthy body systems. They transport clients and carry out nursing assistant duties in a range of settings.
Potential Further Study Pathways	
Diploma of Higher Education (Health Stream)	The Diploma consists of a combination of introductory and first-year degree subjects, designed to help students develop the necessary skills to be successful university students.

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or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.*

Educational and Vocational Outcomes

Health Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in a Health related field
Pre-Apprenticeship Qualification	Certificate II Health Support Services

Core Skills for Work – Trade Skill Extensions

Workplace Skills equips trade students with essential skills for success in their chosen industry. Covering areas such as communication, teamwork, problem-solving, and occupational health and safety, this qualification enhances their employability and ensures a seamless transition into the workplace.

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Transitional Timetable
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Transitional Timetable
Trade

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PLUMBING
PATHWAY

Pre-Apprenticeship Qualification:
Certificate II in Plumbing

In this course you will be given the practical skills and knowledge to use hand and power tools, carry out welding, read and interpret plans, and calculate quantities and other measurements.

You will learn about working safely and effectively in the workplace and how to adhere to the industry's regulations and standards.

Potential Apprenticeship Pathways	
CPC32420 - Certificate III in Plumbing*	This is a trade qualification for plumbers in residential, industrial and commercial workplaces who are responsible for assembling, installing and maintaining water services, sanitary plumbing and sanitary drainage, gas, roofing and mechanical services in both existing and new constructions. Occupational titles could include: • Plumber • Plumber and drainer • Plumber and gasfitter • Gasfitter • Roof plumber • Mechanical services plumber

*NOTE: Certificate III apprenticeship outcomes are only available to students who have attained a school-based or full time apprenticeship. Tec-NQ does not guarantee that students will be employed in an apprenticeship.

Educational and Vocational Outcomes

Plumbing Pathway	
Academic	Essential English
	Q-SMART (Course 1)
	Q-SMART (Course 2)
Trade Skills Extension	Certificate II in Workplace Skills
	Certificate III in Information Technology
Pre-Apprenticeship Qualification	Certificate II Plumbing

Core Skills for Work – Trade Skill Extensions

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Transitional Timetable
Trade

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Up to 14 weeks	Up to 7 weeks

STUDENT SUPPORT

Trade Education Teams

The key facilitators involved with the students on a daily basis have a direct responsibility for the curriculum, welfare and communication of the student. Tec-NQ facilitators offer free tutoring in all areas outside of regular college hours by arrangement.

Counselling

Tec-NQ offers free, external counselling services for any students and apprentices who wish to speak to someone confidentially. Appointments can be made through reception and will be treated with strict privacy. Please note: Students under 16 must get parental approval prior to attending this counselling service.

Student Support

At Tec-NQ, the Student Support Team helps students to develop social and emotional skills by providing strategies that build resilience, coping skills and positive relationships. They work directly with students to offer advice and a solutions-based approach.

Student support plays a pivotal role in working collaboratively with external and other government agencies in their support of students and their families.

The team plans and develops activities for boarding students.

TRANSITION TO WORK

For students who meet the standards outlined in the Earn the Right to Work framework, Tec-NQ's Industry Team provides support in securing work placement within industry. This work placement is integrated into the senior school timetable as part of their senior studies.

Work placement is an important part of Tec-NQ's approach to training, employment and career services. Being involved in work experience activities gives students new opportunities to build on their existing job skills, learn new skills, network with employers and improve their chances of finding a job.

The Industry Team works directly with employers to source work placement and apprenticeship opportunities. They keep in contact with employers throughout the placement to monitor student performance and gain feedback used to mentor and improve the student's employability.

Employment is at the discretion of the employers. Tec-NQ does enlist the support of an engaged network of hundreds of employers to support work placement and, when possible, employ apprentices within their workplace.

Apprenticeship Support

Apprenticeships offer many benefits to employers and apprentices. Apprentices have the chance to gain valuable on-the-job experience, develop skills and acquire a nationally recognised qualification.

Apprenticeships operate on the basis of a formal training agreement between an employer and the apprentice.

Training Contracts are registered with the state training authority and administered by Australian Apprenticeship Support Networks (AASN). Tec-NQ's Industry Team will work with the employer and the AASN to indentify the qualification appropriate to the employer's business and coordinate completion of the Training Contract.

EARN THE RIGHT TO WORK

The Earn the Right to Work program measures employability skills that have been identified in consultation with industry as the benchmark requirements for release to industry.

The employability skills are the basic standards that all school-based students will be assessed against to ensure readiness for the workplace. Student performance is evaluated against these standards to determine their eligibility for participation in the work experience program.

Attendance

Students attend all instructional training and approved work placements. This skill demonstrates their reliability for work.

Punctuality

Students attend every class and work placement on time. This skill demonstrates their ability to attend scheduled meetings and jobs in a reliable and punctual manner.

PPE

Students abide by all college uniform standards at all times. This skill demonstrates their ability to abide with site specific and employer specific uniform standards.

Safety

Students comply with college and workplace safety standards and processes. This skill demonstrates students understanding and willingness to comply with Australian workplace health and safety standards.

Active Learning

Students are responsibile for their own learning by being willing and active participants. This skill demonstrates the students maturity in taking responsibility for their learning and genuine interest in the chosen career.

Behaviour

Students behave in a manner that meets all college and workplace rules. This skill demonstrates a student's ability to behave in a mature and respectful manner.

College Standards

Students meet all college standards. This standard demonstrates the student's ability to meet the desired standards of the workplace.

A **VIRTUAL TOUR** OF OUR FACILITIES IS AVAILABLE ON TEC-NQ'S WEBSITE.

FACILITIES

The Senior School operates from Tec-NQ's Douglas campus in Townsville. This facility features dedicated workshops for each of the trades.

• Fitting & Turning

• Metal Fabrication

• Automotive

• Information Technology

• Diesel Fitting

• Carpentry

• Electro Technology

• Plumbing

As a Registered Training Organisation (RTO) Tec-NQ delivers training to an industry standard. Each workshop is professionally equipped with dedicated tooling and resources.

Public Transport

Sunbus has regular buses that stop at various points throughout the James Cook University campus and Townsville Hospital. Both are within walking distance of Tec-NQ. Reference Google Maps for route information.

The area is well serviced with bicycle/foot paths.

TEC-NQ HOUSE BOARDING

Accredited Senior Boarding School

Tec-NQ House, located in Rosslea, Townsville, is a purpose-built boarding facility for senior school students originating from locations across regional and remote Queensland, attending Tec-NQ's unique trade focused senior school program.

• Located in sunny Townsville, North Queensland, Tec-NQ offers a complete boarding program for students including:

• 24 hour supervised care for your student(s) 7 days per week

• Comfortable, safe and secure facility

• Dedicated staff who provide wellbeing support and independence skills

• Air-conditioned, double occupancy rooms

• Nutritious meals

• Access to sport, driver's instruction and social activities

• Access to Townsville-based work placements

Boarding students at Tec-NQ House are transported daily to and from the training facility and Townsville-based work experience.

Townsville is a vibrant cultural hub. Boarders are able to access festivals, art and sporting facilities. The combination of a warm climate, natural attractions and tropical lifestyle make Townsville a desirable place to study, live and play.

Boarding Fees

Year 10 Program Semester 2 only - $11,000*

Year 10 11 & 12 Semester 1 & 2 - $22,000 per year*

* Please note fees are correct at time of publication (2023)

Contact Tec-NQ for reduced rates for students undertaking partial boarding arrangements."

* Applicants may be eligible for ABSTUDY, Living Away From Home Allowance Scheme and Assistance for Isolated Children funding. Contact Tec-NQ for information.

ENROLMENT

Entry into Tec-NQ's school-based program is highly competitive and prospective students advance through a number of stages before being accepted. This is to ensure the high quality of Tec-NQ's apprentices.

Step 1

Submit an online Student Application form and attend an information session

Step 2

Invitation to attend aptitude testing and practical/technical testing (Y11 only)

Step 3

Parent and student interview

Step 4

First round offers/second interview

Step 5

Second round offers

Tuition

Enrolment	Per Semester	Per Year
Year 10 February Start	$1564.00	$3128.00
Year 10 July Start	$1564.00	$1564.00
Year 11 + Year 11 PTECH	$1564.00	$3128.00
Year 12	$1303.00	$2606.00
Year 12 PTECH	$1564.00	$3128.00

Deposit

A non-refundable deposit of $650 is due within 14 days of accepting an offer of enrolment made by Tec-NQ.

Positions at Tec-NQ cannot be guaranteed if the $650 deposit is not paid. Various payment methods are available including direct debits.

* Please note fees are correct at the time of publication (2023).

QUALITY
TRADE
TRAINING

TecNQ
Training • Education • Careers

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44 Bowen Road
Rosslea Townsville QLD 4814

PO BOX 4812 TOWNSVILLE QLD 4810

P. 0447 296 533
E. boarding@tecnq.com.au

Skills Assure
Proud to be a Queensland Government
subsidised training provider

Acknowledgement to Tec-NQ's Board of Directors

Tec-NQ's Board of Directors voluntarily diverts their payments into a scholarship fund
for students demonstrating exceptional commitment to the senior school.

*The Tec-NQ community acknowledges this commitment by its Board Directors
and thanks them for their leadership and contributions.*