

Engineering: Major Trade

Your trade career starts here!



ABOUT THIS COURSE

This program is designed to prepare you for an apprenticeship in the engineering industry.

The Engineering study program offers pathways to your career as a mechanical fitter/machinist or a fabrication tradesperson (traditionally referred to as boilermaking tradesperson) or specialist welders, sheet metal worker, in metals and manufacturing industries. Your program contributes 4 units towards your HSC and you may achieve MEM10119 Certificate I in Engineering and a Statement of Attainment towards MEM20422 Certificate II in Engineering Pathways. The work placement component of your program includes 100 days experience with local employers, which the College organises for you.

Engineering students also study the Industrial Technology–Metals and Engineering Technologies Preliminary Course as part of their Year 11 program

ENTRY REQUIREMENTS

- You must be eligible to enter the Preliminary HSC course (Year 11).
- You will undertake short entry testing to determine suitability for course entry.



TRAINEESHIP PATHWAYS

Students who secure a school based traineeship study the MEM20105 Certificate II in Engineering and undertake at least 100 days paid employment while at the College.

After the HSC and on completion of MEM20105 students gaining an engineering apprenticeship continue as a full-time apprentice for up to four years and may complete their studies at TAFE or another registered training organisation.

Course Details

Course Hours	240 hours and work placement
Duration	2 years
Type of Course	Face-to-face
Unit Value	2 units Preliminary, 2 units HSC
Delivery Location	Hunter Trade College, Telarah
Work Placement	100 days over 2 years

WHY CHOOSE HUNTER TRADE COLLEGE?

At Hunter Trade College, you can:

- achieve your Higher School Certificate and kick start your trade career at the same time
- spend nearly one third of your College study days in work placement (2 days per week in Year 11, 3 days per week in Year 12)
- get diverse hands-on experience with several local work placement employers
- gain a white card (general construction induction card) and first aid certificate as part of your program
- learn in industry standard workshops with trade qualified and experienced teachers
- get customised help from our learning support and wellbeing teams
- gain employability skills to give you an edge over other job seekers



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UNITS OF STUDY FOR 2024/2025 PROGRAM

HSC DELIVERY - Units include

MEM13015	Work safely and effectively in manufacturing and engineering
MEM10002	Interpret technical drawing
MEM11011	Undertake manual handling
MEMPE005	Develop a career plan for the engineering and manufacturing industry
MEMPE006	Undertake a basic engineering project
MEM18001	Use hand tools
MEM12024	Perform computations
MEM18002	Use power tools/hand held operations
MEMENV272	Participate in environmentally sustainable work practices
MEM12023	Perform engineering measurements
MEM16006	Organise and communicate information
MEM05005	Carry out mechanical cutting
MEM07032	Use workshop machines for basic operations
MEM05012	Perform routine manual metal arc welding
MEM03003	Perform sheet and plate assembly

Students who complete all 15 units may achieve:

- ◆ MEM10119 Certificate I in Engineering
- ◆ Statement of attainment towards MEM20422 Certificate II in Engineering Pathways
- ◆ MEM20105 Certificate II in Engineering (SBAT only)

Correct at time of publication but subject to change

ASSESSMENT

Assessment may include students undertaking practical tasks, answering questions, participating in group and individual work and demonstrating knowledge and carrying out tasks in the workplace.

LOOKING FOR MORE INFORMATION?

Call us for individual advice, or visit our website

www.htc.nsw.edu.au

