

22564VIC Certificate IV in Musical Instrument Making and Repair



The Certificate IV students learn to make a bolt-on electric guitar and a dreadnaught style acoustic guitar. Upon successful completion of these instruments, students design and may construct a custom made instrument of their choice. The college will provide the materials to build your own custom built instrument. The hardware must be supplied by the student. The course covers an introduction to the computer controlled cutting and milling machines and laser cutters. Students are instructed in the use and maintenance of hand & power tools necessary for construction and gain vital hands-on experience.

ACTIVITIES/TASKS

Students complete an extensive OH&S program, incorporating theory and workshop induction. Over the year, students learn to make a bolt-on neck electric guitar, a dreadnaught style acoustic guitar and design a custom instrument of their choice. Hand carving and the use and maintenance of hand and power tools for construction is covered and gives vital hands-on experience. Students learn to complete perspective, isometric and concept drawings and use these skills to develop a product range. They learn to generate computer aided drawings for their instruments and inlays and create custom templates and jigs. The course covers an introduction to computer controlled cutting and milling machines and laser cutters. Students are introduced to string instrument setup from guitar to ukulele to traveller mandolin. Students learn how to improve instrument function, the physics of sound, and develop a business plan. A tour of industry partners is part of the course. All students must complete a work placement organised by NCAT.

UNITS OF COMPETENCY

BSBCM402	Implement effective communication strategies	MSMSUP383	Facilitate a team
BSBSMB402	Plan small business finances	MSFDN4002	Produce line and component production drawings
BSBSMB404	Undertake small business planning	MSFFM4001	Hand carve wood to custom design
CUAACD303	Produce technical drawings	MSFFT5008	Develop, trial and evaluate prototypes
CUAPHI302	Capture photographic images	VU23008	Develop and update music products industry knowledge
MSFDN5001	Generate and transfer complex computer-aided drawings and specifications	VU23009	Manufacture acoustic guitars
MSFDN4003	Produce patterns and templates	VU23010	Manufacture electric guitars
MSMENV472	Implement and monitor environmentally sustainable work practices	VU23016	Repair acoustic guitars
MSMWHS200	Work safely	VU23017	Repair electric guitars
MSFGN2001	Make measurements and calculations	TLID2003	Handle dangerous goods/hazardous substances

LENGTH OF COURSE

The course runs four days per week from February to mid-November.

ELIGIBILITY & PREREQUISITES

There are no prerequisites but completion of 22563VIC Certificate III in Musical Instrument Making & Maintenance would be an advantage.

ASSESSMENT

Successful completion of the course requires 95% attendance. Students will be required to complete two instruments and all set work as well as the work placement. The assessment of overall competence at this certificate level will be undertaken by a qualified assessor and your competence judged using all of these criteria. All training resources will be provided upon payment and enrolment.

Students will be given a fair and adequate assessment process that includes multiple opportunities to demonstrate competency.

BENEFITS OF TRAINING

Students learn to manufacture, repair and maintain their own guitar and can go on to work in the industry or set up their own business.

APPLICATION & ENROLMENT PROCESS

After initial inquiries and student suitability has been assessed via phone contact. Suitable candidates are shortlisted and given an indication

Interviews and the formal application process with the designated college officer occur over third term in the year prior to the course commencing. Places in the course are formally offered at that time.

COURSE FEES

Tuition Fees & Materials Charges

Government Subsidised Fee: \$2500*
Full Fee: \$9500

Materials and Charges

Specialist hardware and materials costs for the custom build are the students' responsibility. Students must pay in full on enrolment day to secure their place in the class. No time plan payment is available.

*Eligibility requirements apply

Fees and charges for 2023 are under review.

PATHWAYS

Students completing the program at Certificate IV level can work in the guitar making industry. Job prospects after the course are employment at Maton Guitars, Cole Clark, or with independent makers, setting up your own business repairing and making instruments, or working in the music wholesale and retail sector with specialisation in repair. Higher Education pathways could be in Industrial Design or computer aided coding for manufacturing.

POLICIES

The NCAT VET and General Student Handbook on our website contains policies and procedures for access, equity, privacy, refunds, student conduct, recognition processes, access to records, complaints & appeals.

This training is delivered with Victorian and Commonwealth Government funding.
