

## 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 third custom-made instrument of their choice. 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 (C) Core unit

|            |  |           |  |
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| BSBCMM402  | Implement effective communication strategies (C)                         | MSMSUP383 | Facilitate a team (C)                                    |
| BSBSMB402  | Plan small business finances   | MSFDN4002 | Produce line and component production drawings           |
| BSBSMB404  | Undertake small business planning  | MSFFM4001 | Hand carve wood to custom design                         |
| MSFDN5001  | Generate and transfer complex computer-aided drawings and specifications | MSFFT5008 | Develop, trial and evaluate prototypes                   |
| CUAPHI302  | Capture photographic images  | VU23008   | Develop and update music products industry knowledge (C) |
| CUAACD303  | Produce technical drawings   | VU23009   | Manufacture acoustic guitars                             |
| MSFDN4003  | Produce patterns and templates   | VU23010   | Manufacture electric guitars                             |
| MSMENV472  | Implement and monitor environmentally sustainable work practices (C)     | VU23016   | Repair acoustic guitars                                  |
| MSMWHS200* | Work safely (C)  | VU23017   | Repair electric guitars                                  |
| MSFGN2001  | Make measurements and calculations (C)                                   | TLID2003* | Handle dangerous goods/hazardous substances (C)          |

\*Potential Credit Transfer from 22563VIC Certificate III in Musical Instrument Making and Maintenance

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## LENGTH OF COURSE

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The course runs four days per week 9:00am - 3:30pm from February to mid-November.

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## ELIGIBILITY & PREREQUISITES

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There are no prerequisites but completion of 22563VIC Certificate III in Musical Instrument Making & Maintenance would be an advantage and an aptitude for practical work is recommended. Minimum language, literacy and numeracy skills are required and assessed prior to enrolment. If you have individual needs, please contact the college to discuss.

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## ASSESSMENT

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The applied nature of the course requires a commitment to full attendance to successfully complete your instruments and the assessment.

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 the set criteria.

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

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## 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 where student suitability has been assessed via phone contact, candidates are shortlisted and given an interview.

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

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## COURSE FEES

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All tuition fees, materials\* and amenities charges and available concessions are published on the tertiary program section of the NCAT website in the [NCAT Schedule of Fees](#) and are subject to annual review.

This training is delivered with Victorian and Commonwealth Government funding subject to an eligibility assessment. ([www.skills.vic.gov.au](http://www.skills.vic.gov.au)).

*\*The materials charge covers the completion of one electric guitar and one dreadnaught style acoustic guitar. The college will provide the materials to build a third custom-built instrument, but the hardware must be supplied by the student.*

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*The student tuition fees as published are subject to change given individual circumstances at enrolment*

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## PATHWAYS

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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.

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## POLICIES

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For details regarding Access, Equity, Privacy policy, Refunds policy, Student conduct, Welfare Services and Complaints Policy, please see the Tertiary Handbook available on the NCAT website. No licensing, legislative or certification requirements apply to this qualification at the time of publication.

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