

NATIONAL CENTRE FOR VOCATIONAL EDUCATION RESEARCH

Pre-apprenticeship training activity



Paul Foley
Davinia Blomberg

NCVER

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Australian Government
Department of Education, Employment
and Workplace Relations

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About the research



Pre-apprenticeship training activity

Paul Foley, Davinia Blomberg, NCVER

Pre-apprenticeships are becoming an increasingly important component of the Australian vocational education and training (VET) system. The purpose of this report is to investigate the level of pre-apprenticeship activity occurring in Australia and to examine the characteristics of pre-apprenticeship courses and the students undertaking those courses.

With the absence of a pre-apprenticeship identifier in the National VET Provider Collection, our approach was to compile a list of possible pre-apprenticeship courses and to examine the associated activity from the National VET Provider Collection. The pre-apprenticeship courses were identified through a keyword search of course names and responses to requests to state and territory contacts to provide lists of pre-apprenticeship courses. A Western Australian dataset with a pre-apprenticeship identifier was also available.

Key findings

- ✧ Pre-apprenticeship training in Australia is an important—and growing—component of the Australian VET sector, with an estimated 64 800 course enrolments in 2009.
- ✧ Enrolments in pre-apprenticeship courses are within two main fields of education—engineering and related technologies, and architecture and building.
- ✧ Pre-apprenticeship courses are providing an important pathway for disadvantaged students, such as Indigenous students, early school leavers and those without non-school qualifications.
- ✧ Pre-apprenticeship courses are providing good further study outcomes, with 43.5% of graduates going onto further study, compared with 32.1% of all VET graduates.

The estimate of 64 800 course enrolments provided within this report should be treated with some caution. This is because we may not have identified all courses that lead to apprenticeships, and some students in an identified pre-apprenticeship course may have no interest in a subsequent apprenticeship or are undertaking an apprenticeship already.

One of the difficulties of defining pre-apprenticeship courses is that the definition is inherently problematic. It presumes a particular motivation (that is, to obtain an apprenticeship), but an individual's motivation may well change in undertaking any course.

One way around this quandary would be to consider all certificate I and II courses as potentially 'pre-apprenticeships', but this has not been done in this report.

Tom Karmel
Managing Director, NCVER

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Executive summary

Pre-apprenticeship training is described as a pathway that assists an individual to gain entry to an industry through an apprenticeship, particularly in the traditional trades. The aim of this research was to examine the level of training occurring in pre-apprenticeship courses and to examine the characteristics of pre-apprenticeship courses and students. Outcomes from pre-apprenticeship training were also investigated.

The research looked at pre-apprenticeship training in Australia through a variety of research methods—keyword searches, lists of prescribed pre-apprenticeship courses from state and territory contacts, and a unit record enrolment file. While the keyword search and list of pre-apprenticeship courses provided insights into pre-apprenticeship activity, there were problems with both approaches. In particular, a problem identified—especially for training package qualifications—is that training is not necessarily restricted to pre-apprenticeships. These courses are open to any student, so data from the National VET Provider Collection inflates pre-apprenticeship activity.

The analysis of unit record data for Western Australia enabled detailed analysis of pre-apprenticeship enrolments and courses. The file allowed investigation of enrolment details by the type of enrolment: apprenticeships, traineeships, pre-apprenticeships and other. Analysis of these data found that there were ten nationally accredited and 24 training package courses with pre-apprenticeship activity. Over half (54.5%) of the nationally accredited courses and 16.5% of training package qualifications were undertaken as pre-apprenticeship enrolments. The remaining students undertook the courses as an apprenticeship, traineeship or other enrolment type.

This research established that, without a specific pre-apprenticeship identifier similar to the identifier in the Western Australian dataset, the National VET Provider Collection is not equipped to accurately identify national pre-apprenticeship activity. In an attempt to better understand the characteristics of pre-apprenticeship courses and students, a list of possible pre-apprenticeship courses was compiled using the courses identified in the keyword search, the state and territory lists of courses, and the Western Australian dataset.

This research suggests there were approximately 64 800¹ course enrolments in the identified pre-apprenticeship courses in 2009. This can be compared with 2007, when there were 50 700 course enrolments in these courses. Findings from the analysis of the course characteristics are listed.

- ✧ Over half of pre-apprenticeship course enrolments were within the engineering and related technologies field of education and around a third were within the architecture and building field.
- ✧ The majority of course enrolments were within certificate II courses (58.5%). A further 39.4% were within certificate I courses.

From the list of possible pre-apprenticeship courses, this research was able to provide a picture of the students undertaking pre-apprenticeship courses in 2009. Key highlights are provided.

¹ This figure should be treated with some caution as it is an estimate of pre-apprenticeship activity.

- ✧ The majority of enrolments in pre-apprenticeship courses were by male students (81.9%). The most popular fields of education undertaken by females were food, hospitality and personal services, and health.
- ✧ Indigenous students comprised 8.5% of all pre-apprenticeship course enrolments. By comparison, Indigenous students represented 5.1% of course enrolments for all VET activity.
- ✧ Early school leavers (students who have not completed Year 12) accounted for 68.8% of course enrolments, compared with 46.0% for all VET courses.
- ✧ Students without a non-school qualification represented 75.7% of course enrolments. By comparison, these students comprised 58.2% of course enrolments in all VET courses.
- ✧ Students from extreme-disadvantage and high-disadvantage backgrounds comprised 42.6% of course enrolments in pre-apprenticeship courses. By comparison, 38.0% of these students were represented in all VET course enrolments.
- ✧ Pre-apprenticeship course enrolments undertaken by students located in remote and very remote regions represented 8.4% of enrolments in pre-apprenticeship courses, compared with 4.6% of course enrolments in all VET courses.

Data suggest that pre-apprenticeships lead to good further study outcomes and reasonable employment outcomes. This is consistent with other research on outcomes from lower levels of VET, which suggests that lower-level VET courses provide good further study outcomes (see, for example, Stanwick 2005). The importance of pre-apprenticeships as pathways is demonstrated in NCVER's Apprentice and Trainee Destinations Survey. The survey found that pre-vocational and pre-apprenticeship courses were completed by 18.2% of apprentice and trainee completers and non-completers, including:

- ✧ 27.9% of completers and 27.0% of non-completers in a trade apprenticeship or traineeship
- ✧ 14.4% of completers and 14.3% of non-completers in a non-trade apprenticeship or traineeship.

Of those who completed a pre-vocational or pre-apprenticeship course:

- ✧ 82.8% of completers and 76.8% of non-completers in a trade occupation found the course relevant to their apprenticeship or traineeship.
- ✧ 71.0% of completers and 65.8% of non-completers in a non-trade occupation found the course relevant to their apprenticeship.

The employment benefits of pre-apprenticeships are evident in the Student Outcomes Survey. This found that:

- ✧ 69.8% of graduates from pre-apprenticeship courses were employed after training, compared with 77.8% of all VET graduates.
- ✧ 43.5% of pre-apprenticeship graduates were enrolled in further study after training. By comparison, 32.1% of all VET graduates went onto further study after training.

Introduction

Pre-apprenticeships

Pre-apprenticeship training is a pathway that assists an individual to gain entry to an industry through an apprenticeship, particularly in the traditional trades. The training for pre-apprenticeships generally involves both theoretical and work experience components, with a focus on industry-specific skills. A completed pre-apprenticeship course generally provides credit towards the first year of the ‘off-the-job’ component of an apprenticeship.

Pre-apprenticeships are becoming an increasingly important component of the Australian vocational education and training (VET) system. For example, in 2009 the Commonwealth Government provided additional funding to the state and territory governments to expand the number of pre-apprenticeship training opportunities available to young people in the traditional trades in their jurisdictions.

Under the current reporting framework—the Australian Vocational Education and Training Management Information Statistical Standard (AVETMISS)—pre-apprenticeship training activity is not readily identified. Consequently, it is difficult to establish the numbers participating in pre-apprenticeship training.

This research endeavours to examine pre-apprenticeship training activity undertaken in Australia in 2009 and to provide a profile of the students undertaking these courses.

Researching pre-apprenticeships in Australia

Research methodology

The absence of a pre-apprenticeship identifier in the National VET Provider Collection meant that it was necessary to adopt alternative research methods in an attempt to gauge the extent of pre-apprenticeship training activity. As discussed below, it was necessary to implement a variety of approaches.

Initially, a keyword search of course names was conducted in the National VET Provider Collection. This approach has previously been used to investigate pre-apprenticeship activity in Australia (see Dumbrell & Smith 2007). The keywords of ‘pre-app’, ‘preapp’, ‘pre-emp’, ‘preemp’, ‘pre-voc’ and ‘prevoc’ were selected and searched in the 2009 VET Provider Collection. The keyword search identified 27 courses—all nationally accredited courses—in which there were around 5600 course enrolments (table 1).

Table 1 Number of course enrolments in pre-apprenticeship courses identified through a keyword search by state or territory, 2009

| Course identifier | Course name | State | | | | | | | | Total |
|-------------------|---|-------|------|-----|----|----|------|----|-----|-------|
| | | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | |
| 21273VIC | Certificate II in Furnishing (Pre-Apprenticeship – Flat Glass Working) | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 21278VIC | Certificate II in Furnishing (Preapprenticeship – Cabinet Making, Wood Machining, Wood Polishing) | 0 | 1064 | 0 | 0 | 0 | 0 | 0 | 0 | 1064 |
| 21533VIC | Certificate II in Joinery/Shopfitting/Stairbuilding (Pre-Apprenticeship) | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| 21642VIC | Certificate II in Plumbing (Prevocational) | 0 | 697 | 0 | 0 | 0 | 0 | 0 | 0 | 697 |
| 21887VIC | Certificate II in Electrotechnology Studies (Pre-Vocational) | 0 | 1631 | 0 | 0 | 0 | 0 | 0 | 0 | 1631 |
| 21927VIC | Certificate II in Retail Baking (Pre-Apprenticeship) | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 30605QLD | Course in Pre-Vocational Concreting And Steelfixing | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| 39109QLD | Certificate I in Plumbing Services (Pre-Apprenticeship) | 0 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 216 |
| 39115QLD | Certificate I in Furniture Making and Finishing (Pre-Vocational) | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 39133QLD | Certificate I in Construction – Bricklaying (Pre-Apprenticeship) | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 76 |
| 39220QLD | Certificate I in Pre-Apprenticeship Construction Skills | 0 | 0 | 477 | 0 | 0 | 0 | 0 | 0 | 477 |

| Course identifier | Course name | State | | | | | | | | |
|-------------------|---|------------|-------------|------------|----------|------------|----------|----------|-----------|-------------|
| | | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
| 43221 | Aviation and Engineering Prevocational Course | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 43918 | Ablelinks Prevocation | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 44027 | Schools Pre-Employment Skills Cluster | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 51461 | Course in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 25 |
| 51717 | Certificate I in Metals and Engineering Studies (Pre-Apprentice/School Apprentice Link) | 0 | 0 | 0 | 0 | 281 | 0 | 0 | 0 | 281 |
| 51908 | Certificate I in Electrotechnology Pre-Apprentice Electrical | 0 | 0 | 0 | 0 | 282 | 0 | 0 | 0 | 282 |
| 51991 | Course in General Plumbing and Gas Fitting (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 208 | 0 | 0 | 0 | 208 |
| 52031 | Certificate I in Roof Plumbing (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| 52032 | Certificate I in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 21 |
| 52055 | Certificate I in Vehicle Body Building (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| 52056 | Certificate I in Electronic Servicing (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 |
| 90969NSW | Certificate I in Electrical Pre-Vocation | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 90970NSW | Certificate I in Electronics/Computer Pre-Vocation | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| SA-TC18 | Training Program in Plumbing Pre-Vocational Skills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 11 |
| WWW04814 | Carpentry (Pre-Vocational) | 313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 313 |
| WWW27371 | Autostart MTA Mechanical Pre-Apprenticeship | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| Total | | 372 | 3583 | 779 | 0 | 869 | 0 | 0 | 11 | 5614 |

Source: National VET Provider Collection, 2009.

It was apparent from the results obtained through the keyword search that this approach was not capturing all pre-apprenticeship training activity. Consequently, an alternative approach was required.

State and territory AVETMISS contacts were asked whether they maintained a list of pre-apprenticeship courses for their jurisdiction, and if so, were they willing to share it.

Skills Victoria provided a web link to a list of pre-apprenticeship courses available in that state (<<http://www.skills.vic.gov.au/apprentices/pre-apprenticeships>>) (see appendix A). Data for these courses—by state/territory—were extracted from the VET Provider Collection and are shown in table 2.

This approach identified four courses that were previously identified as a pre-apprenticeship course from the keyword search. However, there were eight courses not previously identified from the keyword search.

Table 2 Number of course enrolments in courses listed on the Victorian pre-apprenticeship course list by state or territory, 2009

| Course identifier | Course name | State | | | | | | | | |
|---------------------------------------|---|-------|--------|-------|-----|-----|------|-----|-----|--------|
| | | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
| Nationally accredited courses | | | | | | | | | | |
| 21273VIC | Certificate II in Furnishing (Pre-Apprenticeship – Flat Glass Working) | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 21278VIC | Certificate II in Furnishing (Preapprenticeship – Cabinet Making, Wood Machining, Wood Polishing) | 0 | 1 064 | 0 | 0 | 0 | 0 | 0 | 0 | 1 064 |
| 21533VIC | Certificate II in Joinery/Shopfitting/Stairbuilding (Pre-Apprenticeship) | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| 21560VIC | Certificate II in Automotive Technology Studies | 0 | 2 231 | 0 | 0 | 0 | 0 | 0 | 0 | 2 231 |
| 21844VIC | Certificate II in Building and Construction (Bricklaying, Carpentry, Painting and Decorating, Wall ...) | 0 | 4 548 | 0 | 0 | 0 | 0 | 0 | 0 | 4 548 |
| 21927VIC | Certificate II in Retail Baking (Pre-Apprenticeship) | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Total nationally accredited courses | | 0 | 8 002 | 0 | 0 | 0 | 0 | 0 | 0 | 8 002 |
| Training package qualifications | | | | | | | | | | |
| CHC20108 | Certificate II in Community Services | 73 | 14 | 3 | 0 | 0 | 0 | 0 | 1 | 91 |
| FDF30503 | Certificate III In Food Processing (Retail Baking – Cake and Pastry) | 24 | 161 | 82 | 20 | 53 | 13 | 0 | 2 | 355 |
| FDF30703 | Certificate III In Food Processing (Retail Baking – Combined) | 666 | 345 | 394 | 196 | 126 | 91 | 24 | 33 | 1,875 |
| ICP20105 | Certificate II in Printing and Graphic Arts (General) | 0 | 29 | 19 | 2 | 0 | 12 | 0 | 0 | 62 |
| MTM20407 | Certificate II in Meat Processing (Food Services) | 2 | 39 | 54 | 0 | 6 | 1 | 0 | 0 | 102 |
| WRH20106 | Certificate II in Hairdressing | 1192 | 1703 | 1282 | 364 | 308 | 275 | 87 | 35 | 5246 |
| WRH20109 | Certificate II in Hairdressing | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| Total training package qualifications | | 1 957 | 2 291 | 1 841 | 582 | 493 | 392 | 111 | 71 | 7 738 |
| Grand total – All courses | | 1 957 | 10 293 | 1 841 | 582 | 493 | 392 | 111 | 71 | 15 740 |

Source: National VET Provider Collection, 2009.

The South Australian Department of Further Education, Employment, Science and Technology (DFEEST) also provided a list of prevocational courses available in the South Australian TAFE system (appendix B). Data for these courses—by state/territory—were extracted from the National VET Provider Collection and are shown in table 3.

Table 3 Number of course enrolments in courses listed on the South Australian pre-apprenticeship course list by state or territory, 2009

| Course identifier | Course name | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|--|--|---------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|---------------|
| <i>Nationally accredited courses</i> | | | | | | | | | | |
| 40254SA | Certificate II in Signwriting | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 |
| 40537SA | Certificate II in Electro-technology (Career Start) | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 41 |
| Total nationally accredited courses | | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 62 |
| <i>Training package qualifications</i> | | | | | | | | | | |
| AUR10105 | Certificate I in Automotive | 232 | 121 | 238 | 251 | 1 342 | 265 | 288 | 0 | 2 737 |
| AUR20705 | Certificate II in Automotive Mechanical | 629 | 561 | 2 060 | 274 | 397 | 214 | 61 | 28 | 4 224 |
| AUR20905 | Certificate II in Automotive Vehicle Body | 328 | 100 | 123 | 26 | 19 | 11 | 2 | 4 | 613 |
| BCG10103 | Certificate I in General Construction | 4 948 | 0 | 1 622 | 857 | 2 113 | 241 | 255 | 0 | 10 036 |
| FPI10105 | Certificate I in Forest and Forest Products | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| LMF10102 | Certificate I in Furnishing | 89 | 22 | 413 | 153 | 414 | 3 | 0 | 0 | 1 094 |
| LMF10108 | Certificate I in Furnishing | 0 | 16 | 0 | 0 | 1 | 0 | 0 | 0 | 17 |
| MEA20401 | Certificate II in Aeroskills | 32 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 42 |
| MEA20407 | Certificate II in Aeroskills | 111 | 0 | 33 | 25 | 0 | 0 | 0 | 0 | 169 |
| MEM10105 | Certificate I in Engineering | 2 084 | 91 | 816 | 675 | 1 277 | 75 | 341 | 5 | 5 364 |
| MNM20106 | Certificate II in Metalliferous Mining Operations (Open Cut) | 1 | 30 | 127 | 117 | 746 | 87 | 2 | 0 | 1 110 |
| MNM20305 | Certificate II in Metalliferous Mining Operations – Processing | 1 | 0 | 28 | 31 | 241 | 10 | 0 | 0 | 311 |
| MTM10207 | Certificate I in Meat Processing (Meat Retailing) | 8 | 0 | 0 | 117 | 0 | 56 | 0 | 0 | 181 |
| RGR10102 | Certificate I in Racing (Stablehand) | 0 | 0 | 0 | 27 | 0 | 0 | 16 | 0 | 43 |
| RGR10108 | Certificate I in Racing (Stablehand) | 25 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 26 |
| RGR20102 | Certificate II in Racing (Stablehand) | 95 | 36 | 9 | 42 | 13 | 12 | 25 | 0 | 232 |
| RGR20108 | Certificate II in Racing (Stablehand) | 28 | 31 | 14 | 0 | 0 | 0 | 0 | 0 | 73 |
| RUV10104 | Certificate I in Animal Studies | 0 | 0 | 0 | 138 | 10 | 7 | 0 | 0 | 155 |
| RUV20104 | Certificate II in Animal Studies | 2 357 | 416 | 333 | 181 | 97 | 34 | 14 | 2 | 3 434 |
| UEE22007 | Certificate II in Electro-technology (Career Start) | 1 125 | 127 | 408 | 261 | 97 | 143 | 13 | 0 | 2 174 |
| WRH20106 | Certificate II in Hairdressing | 1 192 | 1 703 | 1 282 | 364 | 308 | 275 | 87 | 35 | 5 246 |
| WRH20109 | Certificate II in Hairdressing | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| Total training package qualifications | | 13 285 | 3 263 | 7 516 | 3 539 | 7 076 | 1 433 | 1 104 | 74 | 37 290 |
| Grand total | | 13 285 | 3 263 | 7 516 | 3 601 | 7 076 | 1 433 | 1 104 | 74 | 37 352 |

Source: National VET Provider Collection, 2009.

A problem identified with the data obtained from the state training authorities—especially for training package qualifications—is that training is not necessarily restricted to pre-apprenticeships. There are no restrictions that limit enrolments in certificate I and II training package qualifications to only pre-apprentices. These courses are open to any student, so data from the National VET Provider Collection inflate pre-apprenticeship activity.

A solution to this problem was found in a data file provided by the Western Australian Department of Training and Workplace Development. The department provided NCVER with a unit record enrolment file that included an additional field distinguishing pre-apprenticeships from apprenticeships, traineeships and other enrolments in Western Australia. The data were analysed using SAS software. This analysis provided the most comprehensive data of the different approaches implemented. However, this analysis was limited to Western Australia.

Tables 4 and 5 present information on those courses that had some pre-apprenticeship activity in Western Australia in 2009.² The analysis found 34 courses with pre-apprenticeship activity. Ten of the 34 courses were nationally accredited courses. The remaining 24 courses were training package qualifications. Eight of the courses had previously been identified in the keyword search. Only one of the training package qualifications had been previously identified in the Victorian list of pre-apprenticeship courses (WRH20106 Certificate II in Hairdressing), while five courses were identified in the South Australian list.

There were 17 200 students enrolled in the 34 courses in Western Australia in 2009. Approximately 3500 students (or 20.1% of students) were identified as pre-apprenticeship enrolments. There were 13 700 additional students enrolled in the same courses but not as a pre-apprenticeship enrolment type—7800 as an apprenticeship, 300 as a traineeship and 5600 as an ‘other’ enrolment type.

Table 4 Number of students enrolled in courses that have pre-apprenticeship enrolments by training type, Western Australia, 2009

| Course identifier | Course name | Training type | | | | Total |
|-------------------------------------|---|-----------------|--------------|---------------------|-------|-------|
| | | Apprentice-ship | Trainee-ship | Pre-apprentice ship | Other | |
| Nationally accredited courses | | | | | | |
| 51403 | Certificate I in School Apprenticeship Link Pilot-Food Family of Trades | 0 | 0 | 77 | 0 | 77 |
| 51461 | Course in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 25 | 0 | 25 |
| 51717 | Certificate I in Metals and Engineering Studies (Pre-Apprentice/School Apprentice Link) | 0 | 0 | 217 | 66 | 283 |
| 51908 | Certificate I in Electrotechnology Pre-Apprentice Electrical | 0 | 0 | 284 | 0 | 284 |
| 51958 | Course in Underpinning Skills for Industry Qualifications (USIQ) | 0 | 0 | 6 | 675 | 681 |
| 51991 | Course in General Plumbing and Gas Fitting (Pre-Apprenticeship) | 0 | 0 | 208 | 1 | 209 |
| 52031 | Certificate I in Roof Plumbing (Pre-Apprenticeship) | 0 | 0 | 12 | 0 | 12 |
| 52032 | Certificate I in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 21 | 0 | 21 |
| 52055 | Certificate I in Vehicle Body Building (Pre-Apprenticeship) | 0 | 0 | 14 | 0 | 14 |
| 52056 | Certificate I in Electronic Servicing (Pre-Apprenticeship) | 0 | 0 | 26 | 0 | 26 |
| Total nationally accredited courses | | 0 | 0 | 890 | 742 | 1 632 |

² The scope of the data supplied by the Western Australian Department of Training and Workplace Development may differ slightly from the scope of data sourced from the National VET Provider Collection. In addition, the count of students in the Western Australian table is a distinct count of students within each course. Hence, a student enrolled in the same course multiple times within the 2009 calendar year was counted once.

| Course identifier | Course name | Training type | | | | Total |
|---------------------------------------|---|-----------------|--------------|---------------------|-------|--------|
| | | Apprentice-ship | Trainee-ship | Pre-apprentice ship | Other | |
| Training package qualifications | | | | | | |
| AUR10105 | Certificate I in Automotive | 0 | 0 | 718 | 668 | 1 386 |
| AUR20505 | Certificate II in Automotive Vehicle Servicing | 0 | 55 | 10 | 187 | 252 |
| AUR20905 | Certificate II in Automotive Vehicle Body | 0 | 12 | 5 | 2 | 19 |
| AUR30405 | Certificate III in Automotive Mechanical Technology | 2 270 | 0 | 9 | 45 | 2 324 |
| BCC30603 | Certificate III in Civil Construction – Plant Operations | 0 | 13 | 1 | 60 | 74 |
| BCF10100 | Certificate I in Construction (Off-Site) | 0 | 0 | 17 | 43 | 60 |
| BCG10103 | Certificate I in General Construction | 0 | 1 | 1 043 | 1 120 | 2 164 |
| BCG30103 | Certificate III in Bricklaying/Blocklaying | 434 | 1 | 1 | 118 | 554 |
| BCG30303 | Certificate III in Concreting | 0 | 9 | 1 | 0 | 10 |
| CPC10108 | Certificate I in Construction | 0 | 0 | 15 | 446 | 461 |
| CPC30108 | Certificate III in Bricklaying/Blocklaying | 0 | 0 | 10 | 0 | 10 |
| CPC30808 | Certificate III in Roof Tiling | 0 | 0 | 16 | 0 | 16 |
| CPC31308 | Certificate III in Wall and Floor Tiling | 0 | 0 | 2 | 0 | 2 |
| LMF10102 | Certificate I in Furnishing | 0 | 0 | 81 | 339 | 420 |
| LMF30402 | Certificate III in Furniture Making – Cabinet Making | 676 | 2 | 1 | 16 | 695 |
| MEM10105 | Certificate I in Engineering | 0 | 0 | 453 | 835 | 1 288 |
| MEM20105 | Certificate II in Engineering | 2 | 117 | 13 | 394 | 526 |
| MEM30205 | Certificate III In Engineering – Mechanical Trade | 2 038 | 1 | 22 | 132 | 2 193 |
| MEM30305 | Certificate III in Engineering – Fabrication Trade | 1 802 | 1 | 5 | 108 | 1 916 |
| MEM30405 | Certificate III n Engineering – Electrical/Electronic Trade | 535 | 0 | 1 | 6 | 542 |
| TDM10107 | Certificate I in Transport and Distribution (Maritime Operations) | 0 | 0 | 1 | 171 | 172 |
| UEE22007 | Certificate II in Electrotechnology (Career Start) | 0 | 0 | 26 | 71 | 97 |
| UTE10102 | Certificate I in Electrotechnology | 0 | 0 | 3 | 35 | 38 |
| WRH20106 | Certificate II in Hairdressing | 0 | 127 | 111 | 71 | 309 |
| Total training package qualifications | | 7 757 | 339 | 2 565 | 4 867 | 15 528 |
| Grand total – All courses | | 7 757 | 339 | 3 455 | 5 609 | 17 160 |

Source: Unpublished Western Australian enrolment statistics, 2009.

Table 5 displays the pre-apprenticeship data in terms of percentages in the four enrolment categories. It is evident from this table that many courses, particularly—but not only—training package qualifications, are not restricted to pre-apprenticeships. For example, only 16.5% of students enrolled in the training package qualifications were pre-apprenticeship enrolments. Over half (54.5%) of the total students enrolled in the nationally accredited courses were pre-apprenticeship enrolments. However, most of the nationally accredited courses with pre-apprentice in the course title were only undertaken as pre-apprenticeship training activity.

Table 5 Students enrolled in courses that have pre-apprenticeship enrolments by training type, Western Australia, 2009 (%)

| Course identifier | Course name | Training type (%) | | | | Total |
|------------------------------------|---|-------------------|--------------|---------------------|-------|-------|
| | | Apprentice-ship | Trainee-ship | Pre-apprentice-ship | Other | |
| Nationally accredited courses | | | | | | |
| 51403 | Certificate I in School Apprenticeship Link Pilot-Food Family of Trades | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 51461 | Course in Aeroskills (Pre-Apprenticeship) | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 51717 | Certificate I in Metals and Engineering Studies (Pre-Apprentice/School Apprentice Link) | 0.0 | 0.0 | 76.7 | 23.3 | 100.0 |
| 51908 | Certificate I in Electrotechnology Pre-Apprentice Electrical | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 51958 | Course in Underpinning Skills for Industry Qualifications (USIQ) | 0.0 | 0.0 | 0.9 | 99.1 | 100.0 |
| 51991 | Course in General Plumbing and Gas Fitting (Pre-Apprenticeship) | 0.0 | 0.0 | 99.5 | 0.5 | 100.0 |
| 52031 | Certificate I in Roof Plumbing (Pre-Apprenticeship) | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 52032 | Certificate I in Aeroskills (Pre-Apprenticeship) | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 52055 | Certificate I in Vehicle Body Building (Pre-Apprenticeship) | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| 52056 | Certificate I in Electronic Servicing (Pre-Apprenticeship) | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| Total non-training package courses | | 0.0 | 0.0 | 54.5 | 45.5 | 100.0 |
| Training package qualifications | | | | | | |
| AUR10105 | Certificate I in Automotive | 0.0 | 0.0 | 51.8 | 48.2 | 100.0 |
| AUR20505 | Certificate II in Automotive Vehicle Servicing | 0.0 | 21.8 | 4.0 | 74.2 | 100.0 |
| AUR20905 | Certificate II in Automotive Vehicle Body | 0.0 | 63.2 | 26.3 | 10.5 | 100.0 |
| AUR30405 | Certificate III in Automotive Mechanical Technology | 97.7 | 0.0 | 0.4 | 1.9 | 100.0 |
| BCC30603 | Certificate III In Civil Construction – Plant Operations | 0.0 | 17.6 | 1.4 | 81.1 | 100.0 |
| BCF10100 | Certificate I in Construction (Off-Site) | 0.0 | 0.0 | 28.3 | 71.7 | 100.0 |
| BCG10103 | Certificate I in General Construction | 0.0 | 0.0 | 48.2 | 51.8 | 100.0 |
| BCG30103 | Certificate III in Bricklaying/Blocklaying | 78.3 | 0.2 | 0.2 | 21.3 | 100.0 |
| BCG30303 | Certificate III in Concreting | 0.0 | 90 | 10 | 0.0 | 100.0 |
| CPC10108 | Certificate I in Construction | 0.0 | 0.0 | 3.3 | 96.7 | 100.0 |
| CPC30108 | Certificate III in Bricklaying/Blocklaying | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| CPC30808 | Certificate III in Roof Tiling | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| CPC31308 | Certificate III in Wall and Floor Tiling | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| LMF10102 | Certificate I in Furnishing | 0.0 | 0.0 | 19.3 | 80.7 | 100.0 |
| LMF30402 | Certificate III in Furniture Making – Cabinet Making | 97.3 | 0.3 | 0.1 | 2.3 | 100.0 |
| MEM10105 | Certificate I in Engineering | 0.0 | 0.0 | 35.2 | 64.8 | 100.0 |
| MEM20105 | Certificate II in Engineering | 0.4 | 22.2 | 2.5 | 74.9 | 100.0 |
| MEM30205 | Certificate III in Engineering – Mechanical Trade | 92.9 | 0.0 | 1.0 | 6.0 | 100.0 |

| Course identifier | Course name | Training type (%) | | | | |
|--|---|-------------------|--------------|---------------------|-------------|--------------|
| | | Apprentice-ship | Trainee-ship | Pre-apprentice-ship | Other | Total |
| MEM30305 | Certificate III in Engineering – Fabrication Trade | 94.1 | 0.1 | 0.3 | 5.6 | 100.0 |
| MEM30405 | Certificate III in Engineering – Electrical/Electronic Trade | 98.7 | 0.0 | 0.2 | 1.1 | 100.0 |
| TDM10107 | Certificate I in Transport and Distribution (Maritime Operations) | 0.0 | 0.0 | 0.6 | 99.4 | 100.0 |
| UEE22007 | Certificate II in Electrotechnology (Career Start) | 0.0 | 0.0 | 26.8 | 73.2 | 100.0 |
| UTE10102 | Certificate I in Electrotechnology | 0.0 | 0.0 | 7.9 | 92.1 | 100.0 |
| WRH20106 | Certificate II in Hairdressing | 0.0 | 41.1 | 35.9 | 23.0 | 100.0 |
| Total training package qualifications | | 50.0 | 2.2 | 16.5 | 31.3 | 100.0 |
| Total | | 45.2 | 2.0 | 20.1 | 32.7 | 100.0 |

Source: Unpublished Western Australian enrolment statistics, 2009.

Pre-apprenticeship activity

This research established that, without a specific pre-apprenticeship identifier, the National VET Provider Collection is not equipped to accurately identify national pre-apprenticeship activity.

In an attempt to better understand the characteristics of pre-apprenticeship courses—and the persons undertaking these courses—this research combined the results obtained through the four approaches previously mentioned. The Western Australia dataset was analysed and only those courses where pre-apprenticeships comprised at least 80 per cent of the total number of apprentices and pre-apprentices were retained. Next, all certificate III courses were removed from all lists. A single composite list of pre-apprenticeship courses was then compiled from the four separate search results. The final list is shown in appendix C. Data on course enrolments were then extracted from the National VET Provider Collection. A summary table of enrolments in these identified pre-apprenticeship courses is shown in table 6.

Table 6 Number of course enrolments in eligible pre-apprenticeship courses by state or territory, 2009

| Type of course/qualification | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|---------------------------------------|---------------|---------------|---------------|--------------|---------------|--------------|--------------|------------|---------------|
| Total nationally accredited courses | 372 | 10 362 | 779 | 62 | 1 660 | 0 | 0 | 11 | 13 246 |
| Total training package qualifications | 18 134 | 5 476 | 12 588 | 3 683 | 8 502 | 1 819 | 1 257 | 127 | 51 586 |
| Grand total | 18 506 | 15 838 | 13 367 | 3 745 | 10 162 | 1 819 | 1 257 | 138 | 64 832 |

Source: National VET Provider Collection, 2009.

There were over 64 800 course enrolments in all the identified courses in 2009. Analysis of the summary data shows that in all states and territories except Victoria, the vast majority of course enrolments were in training package qualifications. In Victoria, however, there were almost twice as many enrolments in nationally accredited courses as in training package qualifications.

Table 7 shows that course enrolments in the pre-apprenticeship courses have increased from just over 50 000 in 2007 to over 56 000 in 2008 (11.9% increase) to almost 65 000 in 2009 (14.3% increase). An analysis of the pre-apprenticeship course enrolments by field of education revealed that the engineering and related technologies field consistently had the largest number of course enrolments, with over 33 000 enrolments since 2007. However, the overall proportion of course enrolments in engineering and related technologies has declined—from 66.4% in 2007 to 52.8% in 2009—as the number of overall enrolments has increased. The engineering and related technologies field had the most course enrolments in all states and territories (table 8).

Architecture and building has experienced the most significant increase of all field of education categories, with an additional 4700 enrolments (47.2% increase) between 2007 and 2008 and a further 5700 enrolments (39.2% increase) between 2008 and 2009. The food, hospitality and personal services field of education and the health field were the only other categories with more than 1000 course enrolments in 2009.

Table 7 Course enrolments in eligible pre-apprenticeship courses by field of education, 2007–09

| Field of education | Course enrolments | | |
|---|-------------------|---------------|---------------|
| | 2007 | 2008 | 2009 |
| 01 - Natural and physical sciences | 0 | 0 | 0 |
| 02 - Information technology | 0 | 18 | 17 |
| 03 - Engineering and related technologies | 33 665 | 33 078 | 34 213 |
| 04 - Architecture and building | 9 856 | 14 506 | 20 194 |
| 05 - Agriculture, environmental and related studies | 409 | 399 | 376 |
| 06 - Health | 2 333 | 3 076 | 3 589 |
| 07 - Education | 0 | 12 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 |
| 09 - Society and culture | 0 | 0 | 91 |
| 10 - Creative arts | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 4 305 | 5 448 | 5 545 |
| 12 - Mixed field programs | 119 | 207 | 93 |
| Total | 50 687 | 56 744 | 64 832 |

Source: National VET Provider Collection, 2009.

Almost three-quarters (73.6%) of the pre-apprenticeship course enrolments were undertaken in New South Wales (18 500 enrolments), Victoria (15 800 enrolments) and Queensland (13 400 enrolments) (see table 8). The only other state with significant pre-apprenticeship course enrolments was Western Australia, with 10 200 enrolments—which accounted for 15.7% of the national total.

Table 8 Course enrolments in eligible pre-apprenticeship courses by field of education and state or territory, 2009

| Field of education | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|---|---------------|---------------|---------------|--------------|---------------|--------------|--------------|------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 03 - Engineering and related technologies | 8 561 | 8 177 | 7 228 | 1 997 | 6 113 | 1 188 | 860 | 89 | 34 213 |
| 04 - Architecture and building | 6 165 | 5 378 | 4 437 | 879 | 2 823 | 246 | 255 | 11 | 20 194 |
| 05 - Agriculture, environmental and related studies | 148 | 69 | 23 | 69 | 14 | 12 | 41 | 0 | 376 |
| 06 - Health | 2 357 | 416 | 333 | 319 | 107 | 41 | 14 | 2 | 3 589 |
| 07 - Education | 0 | 0 | 0 | 0 | 714 | 0 | 0 | 0 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 73 | 14 | 3 | 0 | 0 | 0 | 0 | 1 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 1 202 | 1 751 | 1 343 | 481 | 314 | 332 | 87 | 35 | 5 545 |
| 12 - Mixed field programs | 0 | 16 | 0 | 0 | 77 | 0 | 0 | 0 | 93 |
| Total | 18 506 | 15 838 | 13 367 | 3 745 | 10 162 | 1 819 | 1 257 | 138 | 64 832 |
| Total (%) | 28.5 | 24.4 | 20.6 | 5.8 | 15.7 | 2.8 | 1.9 | 0.2 | 100.0 |

Source: National VET Provider Collection, 2009.

A more detailed analysis of field of education data at the four-digit level shows that course enrolments in the building field more than doubled (104.9% increase) between 2007 and 2009 (table 9). In 2009, the building field had the most course enrolments of all four-digit fields of education, with 20 200 enrolments. Course enrolments in process and resources engineering also increased significantly between 2007 and 2009, from around 700 enrolments to 1400 enrolments (or 104.5% increase).

In the engineering and related technologies field of education, there has been a 16.5% increase in the mechanical and industrial engineering and technology field (from 11 800 enrolments in 2007 to 13 700 enrolments in 2009). In contrast, the automotive engineering and technology field declined from 13 900 enrolments in 2007 to 11 500 enrolments in 2009 (-17.3%).

Table 9 Course enrolments in eligible pre-apprenticeship courses by 4-digit fields of education, 2007–09

| Field of education (4-digit level) | Course enrolments | | |
|---|-------------------|---------------|---------------|
| | 2007 | 2008 | 2009 |
| 0203 Information systems | 0 | 18 | 17 |
| 0301 Manufacturing engineering and technology | 2 886 | 2 613 | 2 240 |
| 0303 Process and resources engineering | 695 | 1 273 | 1 421 |
| 0305 Automotive engineering and technology | 13 882 | 11 716 | 11 474 |
| 0307 Mechanical and industrial engineering and technology | 11 768 | 13 680 | 13 711 |
| 0313 Electrical and electronic engineering and technology | 4 216 | 2 990 | 4 343 |
| 0315 Aerospace engineering and technology | 218 | 250 | 252 |
| 0317 Maritime engineering and technology | 0 | 556 | 772 |
| 0403 Building | 9 856 | 14 506 | 20 194 |
| 0501 Agriculture | 394 | 398 | 374 |
| 0505 Forestry studies | 15 | 1 | 2 |
| 0611 Veterinary studies | 2 333 | 3 076 | 3 589 |
| 0799 Other education | 0 | 12 | 714 |
| 0905 Human welfare studies and services | 0 | 0 | 91 |
| 1101 Food and hospitality | 0 | 96 | 292 |
| 1103 Personal services | 4 305 | 5 352 | 5 253 |
| 1205 Employment skills programs | 119 | 84 | 87 |
| 1299 Other mixed field programs | 0 | 123 | 6 |
| Total | 50 687 | 56 744 | 64 832 |

Source: National VET Provider Collection, 2009.

The definition of pre-apprenticeship courses adopted for this report excluded certificate III or higher qualifications. In line with this definition, the majority of the pre-apprenticeship course enrolments were at certificate II level (58.5%) and nearly two-fifths (39.4%) were at certificate I level. The remainder were in non-AQF qualifications, such as non-award courses, statements of attainment and education not elsewhere classified.

The most popular type of pre-apprenticeship course was certificate II in the engineering and related technologies field (23 300 enrolments). The second most popular course type was certificate I in architecture and building (14 300 enrolments).

Table 10 Course enrolments in eligible pre-apprenticeship courses by field of education and AQF qualification level, 2009

| Field of education | Certificate III and above | Certificate II | Certificate I | Non-AQF qualifications ¹ | Total |
|---|-----------------------------|----------------|---------------|-------------------------------------|---------------|
| 01 - Natural and physical sciences | Not applicable ² | 0 | 0 | 0 | 0 |
| 02 - Information technology | | 17 | 0 | 0 | 17 |
| 03 - Engineering and related technologies | | 23 339 | 10 800 | 74 | 34 213 |
| 04 - Architecture and building | | 5 399 | 14 256 | 539 | 20 194 |
| 05 - Agriculture, environmental and related studies | | 305 | 71 | 0 | 376 |
| 06 - Health | | 3 434 | 155 | 0 | 3 589 |
| 07 - Education | | 0 | 0 | 714 | 714 |
| 08 - Management and commerce | | 0 | 0 | 0 | 0 |
| 09 - Society and culture | | 91 | 0 | 0 | 91 |
| 10 - Creative arts | | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | | 5 364 | 181 | 0 | 5 545 |
| 12 - Mixed field programs | | 0 | 77 | 16 | 93 |
| Total | | 37 949 | 25 540 | 1 343 | 64 832 |
| Total (%) | | 58.5 | 39.4 | 2.1 | 100.0 |

Note: 1 Non-AQF qualifications include non-award courses, statements of attainment and education not elsewhere classified.

2 Not applicable, as courses above certificate III level were excluded from the analysis.

Source: National VET Provider Collection, 2009.

Overall, almost two-thirds (66.2%) of pre-apprenticeship enrolments were by students aged between 15 and 19 years (table 11). The 15 to 19 years age group had the largest number of enrolments in all fields of education, with the proportion in this age group ranging from 93.5% (mixed field programs), to 39.6% (society and culture). The second largest was the 25 to 44 years age group, with 16.5% of all course enrolments.

Table 11 Course enrolments in eligible pre-apprenticeship courses by field of education and age group, 2009

| Field of education | 14 years or under | 15–19 years | 20–24 years | 25–44 years | 45–64 years | 65 years & over | Not known | Total |
|---|-------------------|---------------|--------------|---------------|--------------|-----------------|------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 0 | 10 | 1 | 6 | 0 | 0 | 0 | 17 |
| 03 - Engineering and related technologies | 609 | 21 588 | 3 598 | 6 300 | 1 967 | 92 | 59 | 34 213 |
| 04 - Architecture and building | 418 | 14 187 | 1 564 | 2 850 | 1 003 | 26 | 146 | 20 194 |
| 05 - Agriculture, environmental and related studies | 8 | 226 | 43 | 69 | 22 | 4 | 4 | 376 |
| 06 - Health | 39 | 2 198 | 587 | 622 | 126 | 3 | 14 | 3 589 |
| 07 - Education | 1 | 317 | 136 | 202 | 57 | 1 | 0 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 6 | 36 | 9 | 27 | 11 | 1 | 1 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 116 | 4 258 | 464 | 587 | 110 | 2 | 8 | 5 545 |
| 12 - Mixed field programs | 0 | 87 | 3 | 3 | 0 | 0 | 0 | 93 |
| Total | 1 197 | 42 907 | 6 405 | 10 666 | 3 296 | 129 | 232 | 64 832 |
| Total (%) | 1.8 | 66.2 | 9.9 | 16.5 | 5.1 | 0.2 | 0.4 | 100.0 |

Source: National VET Provider Collection, 2009.

More than four out of every five (81.9%) pre-apprenticeship enrolments in 2009 were males. In the two main fields—architecture and building and engineering and related technologies—males comprised 95.1% and 94.5% of enrolments, respectively.

The fields with the highest proportion of female enrolments were food, hospitality and personal services (91.0%), society and culture (87.9%), health (86.8%), and agriculture, environmental and related studies (65.7%) fields.

Males in the engineering and related technologies field comprised almost half (49.9%) of all pre-apprenticeship enrolments.

Table 12 Course enrolments in eligible pre-apprenticeship courses by field of education and sex, 2009

| Field of education | Males | Females | Not known | Total |
|---|---------------|---------------|------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 |
| 02 - Information technology | 17 | 0 | 0 | 17 |
| 03 - Engineering and related technologies | 32 323 | 1 866 | 24 | 34 213 |
| 04 - Architecture and building | 19 197 | 970 | 27 | 20 194 |
| 05 - Agriculture, environmental and related studies | 129 | 247 | 0 | 376 |
| 06 - Health | 474 | 3 115 | 0 | 3 589 |
| 07 - Education | 380 | 334 | 0 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 9 | 80 | 2 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 490 | 5 047 | 8 | 5 545 |
| 12 - Mixed field programs | 48 | 45 | 0 | 93 |
| Total | 53 067 | 11 704 | 61 | 64 832 |
| Total (%) | 81.9 | 18.1 | 0.1 | 100.0 |

Source: National VET Provider Collection, 2009.

Indigenous students comprised 8.5% of all pre-apprenticeship course enrolments. This is higher than the proportion of Indigenous course enrolments for all VET activity (5.1%).

Engineering and related technologies and architecture and building were the two most popular fields amongst Indigenous students, with 2800 and 2100 of all course enrolments respectively.

Table 13 Course enrolments in eligible pre-apprenticeship courses by field of education and Indigenous status, 2009

| Field of education | Indigenous | Non-Indigenous | Not known | Total |
|---|--------------|----------------|--------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 |
| 02 - Information technology | 0 | 17 | 0 | 17 |
| 03 - Engineering and related technologies | 2 835 | 27 606 | 3 772 | 34 213 |
| 04 - Architecture and building | 2 075 | 15 887 | 2 232 | 20 194 |
| 05 - Agriculture, environmental and related studies | 35 | 327 | 14 | 376 |
| 06 - Health | 115 | 3 258 | 216 | 3 589 |
| 07 - Education | 77 | 543 | 94 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 11 | 74 | 6 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 353 | 4 729 | 463 | 5 545 |
| 12 - Mixed field programs | 1 | 84 | 8 | 93 |
| Total | 5 502 | 52 525 | 6 805 | 64 832 |
| Total (%) | 8.5 | 81.0 | 10.5 | 100.0 |

Source: National VET Provider Collection, 2009.

Students with a disability represented 6.3% of all pre-apprenticeship course enrolments. This proportion is slightly below the proportion of all VET course enrolments for students with a disability in 2009 (6.6%). Engineering and related technologies was the most popular field of education for students with a disability, with 51.8% of enrolments in this field.

Table 14 Course enrolments in eligible pre-apprenticeship courses by field of education and disability status, 2009

| Field of education | With a disability | Without a disability | Not known | Total |
|---|-------------------|----------------------|---------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 |
| 02 - Information technology | 0 | 17 | 0 | 17 |
| 03 - Engineering and related technologies | 2 113 | 23 833 | 8 267 | 34 213 |
| 04 - Architecture and building | 1 049 | 11 977 | 7 168 | 20 194 |
| 05 - Agriculture, environmental and related studies | 22 | 343 | 11 | 376 |
| 06 - Health | 391 | 3 001 | 197 | 3 589 |
| 07 - Education | 93 | 524 | 97 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 10 | 69 | 12 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 392 | 4 497 | 656 | 5 545 |
| 12 - Mixed field programs | 13 | 70 | 10 | 93 |
| Total | 4 083 | 44 331 | 16 418 | 64 832 |
| Total (%) | 6.3 | 68.4 | 25.3 | 100.0 |

Source: National VET Provider Collection, 2009.

Early school leavers (those who have not completed Year 12) accounted for over two-thirds (68.8%) of all pre-apprenticeship course enrolments (see table 15). By comparison, early school leavers comprised 46.0% of all VET course enrolments.

Table 15 Course enrolments in eligible pre-apprenticeship courses by field of education and highest school level completed

| Field of education | Year 12 | Year 11 | Year 10 | Year 9 | Year 8 or below ¹ | Not known | Total |
|---|---------------|---------------|---------------|--------------|------------------------------|--------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 4 | 6 | 4 | 0 | 0 | 3 | 17 |
| 03 - Engineering and related technologies | 6 504 | 6 016 | 12 122 | 3 698 | 1081 | 4 792 | 34 213 |
| 04 - Architecture and building | 2 663 | 3 945 | 7 521 | 2 559 | 570 | 2 936 | 20 194 |
| 05 - Agriculture, environmental and related studies | 76 | 40 | 121 | 78 | 19 | 42 | 376 |
| 06 - Health | 1 103 | 671 | 1 146 | 236 | 39 | 394 | 3 589 |
| 07 - Education | 327 | 104 | 136 | 25 | 9 | 113 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 20 | 8 | 42 | 14 | 0 | 7 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 790 | 857 | 2 328 | 973 | 169 | 428 | 5 545 |
| 12 - Mixed field programs | 1 | 23 | 55 | 7 | 0 | 7 | 93 |
| Total | 11 488 | 11 670 | 23 475 | 7 590 | 1 887 | 8 722 | 64 832 |
| Total (%) | 17.7 | 18.0 | 36.2 | 11.7 | 2.9 | 13.5 | 100.0 |

Note: 1 Includes persons who did not go to school.

Source: National VET Provider Collection, 2009.

Students without a non-school qualification represented 75.7% of pre-apprenticeship course enrolments (see table 16). This is higher than the proportion of all VET course enrolments for this group (58.2%).

Table 16 Course enrolments in eligible pre-apprenticeship courses by field of education and highest education level, 2009

| Field of education | Highest education level | | | | | | | | | | | |
|---|-------------------------|------------|--------------|--------------|---------------|--------------|---------------|------------|-----------------|------------------------------|--------------|---------------|
| | Diploma & above | Cert. IV | Cert. III | Year 12 | Year 11 | Cert. II | Year 10 | Cert. I | Misc. education | Year 9 or below ¹ | Not known | Total |
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 1 | 0 | 0 | 3 | 6 | 0 | 4 | 0 | 1 | 0 | 2 | 17 |
| 03 - Engineering and related technologies | 1 036 | 447 | 2 225 | 4 746 | 5 449 | 691 | 10 582 | 224 | 214 | 4 115 | 4 484 | 34 213 |
| 04 - Architecture and building | 444 | 172 | 484 | 2 101 | 3 818 | 311 | 7 033 | 111 | 201 | 2 756 | 2 763 | 20 194 |
| 05 - Agriculture, environmental and related studies | 14 | 2 | 12 | 60 | 39 | 26 | 96 | 2 | 3 | 80 | 42 | 376 |
| 06 - Health | 165 | 78 | 253 | 803 | 624 | 125 | 910 | 6 | 8 | 229 | 388 | 3 589 |
| 07 - Education | 91 | 21 | 60 | 200 | 89 | 25 | 93 | 6 | 3 | 21 | 105 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 4 | 0 | 6 | 17 | 6 | 3 | 37 | 1 | 0 | 11 | 6 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 114 | 32 | 136 | 623 | 827 | 186 | 2 114 | 25 | 26 | 1 047 | 415 | 5 545 |
| 12 - Mixed field programs | 0 | 0 | 0 | 1 | 23 | 2 | 53 | 0 | 0 | 7 | 7 | 93 |
| Total | 1 869 | 752 | 3 176 | 8 554 | 10 881 | 1 369 | 20 922 | 375 | 456 | 8 266 | 8 212 | 64 832 |
| Total (%) | 2.9 | 1.2 | 4.9 | 13.2 | 16.8 | 2.1 | 32.3 | 0.6 | 0.7 | 12.7 | 12.7 | 100.0 |

Note: 1 Includes persons who did not go to school.

Source: National VET Provider Collection, 2009.

Students from extreme-disadvantage and high-disadvantage backgrounds comprised 42.6% of course enrolments in pre-apprenticeship courses. By comparison, 38.0% of these students were represented in all VET course enrolments.

Table 17 Course enrolments in eligible pre-apprenticeship courses by socioeconomic status,¹ 2009

| Field of education | Extreme disadvantage | High disadvantage | Average disadvantage | Slight disadvantage | Low disadvantage | Not known | Total |
|---|----------------------|-------------------|----------------------|---------------------|------------------|--------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 2 | 0 | 1 | 4 | 10 | 0 | 17 |
| 03 - Engineering and related technologies | 6 488 | 8 140 | 8 055 | 6 797 | 3 441 | 1 292 | 34 213 |
| 04 - Architecture and building | 3 414 | 4 887 | 4 066 | 4 245 | 2 622 | 960 | 20 194 |
| 05 - Agriculture, environmental and related studies | 53 | 105 | 75 | 115 | 17 | 11 | 376 |
| 06 - Health | 541 | 1 103 | 739 | 661 | 485 | 60 | 3 589 |
| 07 - Education | 70 | 86 | 251 | 140 | 124 | 43 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 27 | 30 | 17 | 14 | 3 | 0 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 990 | 1 667 | 1 128 | 1 101 | 507 | 152 | 5 545 |
| 12 - Mixed field programs | 2 | 24 | 33 | 21 | 11 | 2 | 93 |
| Total | 11 587 | 16 042 | 14 365 | 13 098 | 7 220 | 2 520 | 64 832 |
| Total (%) | 17.9 | 24.7 | 22.2 | 20.2 | 11.1 | 3.9 | 100.0 |

Note: ¹ Socio-Economic Index for Area—Index of Relative Socio-economic Disadvantage (SEIFA 2006 IRSD) is derived from ABS 2006 Census variables related to disadvantage, such as low income, low educational attainment, unemployment, and dwellings without motor vehicles. The ABS has assigned a SEIFA IRSD score to each statistical local area (SLA) and the distribution of scores is divided into ten equal groups (deciles). For reporting by quintiles, the deciles within Australia were first converted to quintiles. Then, a simple matching exercise was undertaken for each student in which their postcode and location recorded in the VET Provider Collection were mapped to a SLA. For more details refer to: <http://www.abs.gov.au/websitedbs/D3310114.nsf/home/Seifa_entry_pages>.

Source: National VET Provider Collection, 2009.

Students located in remote and very remote regions represented 8.4% of enrolments in pre-apprenticeship courses. This is higher than the proportion of course enrolments in all VET courses by students from remote and very remote areas (4.6%).

Table 18 Course enrolments in eligible pre-apprenticeship courses by student remoteness (ARIA+) region,¹ 2009

| Field of education | Major cities | Inner regional | Outer regional | Remote | Very remote | Outside Australia | Not known | Total |
|---|---------------|----------------|----------------|--------------|--------------|-------------------|--------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 - Information technology | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 03 - Engineering and related technologies | 14 309 | 9 042 | 6 455 | 1 635 | 2 152 | 62 | 558 | 34 213 |
| 04 - Architecture and building | 10 072 | 4 903 | 3 433 | 467 | 861 | 67 | 391 | 20 194 |
| 05 - Agriculture, environmental and related studies | 109 | 154 | 95 | 5 | 8 | 1 | 4 | 376 |
| 06 - Health | 1 716 | 1 196 | 584 | 63 | 11 | 3 | 16 | 3 589 |
| 07 - Education | 541 | 60 | 11 | 2 | 65 | 34 | 1 | 714 |
| 08 - Management and commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 - Society and culture | 45 | 26 | 7 | 13 | 0 | 0 | 0 | 91 |
| 10 - Creative arts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 - Food, hospitality and personal services | 2 486 | 1 612 | 1 193 | 114 | 63 | 39 | 38 | 5 545 |
| 12 - Mixed field programs | 45 | 27 | 20 | 0 | 0 | 0 | 1 | 93 |
| Total | 29 340 | 17 020 | 11 798 | 2 299 | 3 160 | 206 | 1 009 | 64 832 |
| Total % | 45.3 | 26.3 | 18.2 | 3.5 | 4.9 | 0.3 | 1.6 | 100.0 |

Note: 1 Student remoteness (ARIA+) was developed by the National Centre for Social Applications of Geographic Information Systems based on ARIA. ARIA+ is now the standard ABS-endorsed measure of remoteness. It is an index of remoteness derived from measures of road distances between populated localities and service centres. The road distances are then used to generate a remoteness score for any location in Australia. ARIA+ forms the basis for the ABS 'Remoteness Structure' component of the Australian Standard Geographical Classification. It was updated in 2008 from data contained in the 2006 Census of Population and Housing. The index has been backdated to apply to all years reported in this table. As a consequence, ARIA+ data in this table may not match previously reported data. For more details refer to: http://gisca.adelaide.edu.au/projects/category/about_aria.html.

Source: National VET Provider Collection, 2009.

Pre-apprenticeship outcomes

The previous section of the report suggested that large numbers of people undertake pre-apprenticeship courses. This section examines the outcomes from pre-apprenticeship courses using the consolidated list of pre-apprenticeship courses identified in section one of the report.

Table 19 suggests that the number of qualifications completed in pre-apprenticeship courses increased from around 10 500 in 2007 to 13 900 in 2008 (32.3% increase). Qualifications completed within the engineering and related technologies field accounted for over half of the completions in 2008.

Table 19 Qualifications completed in eligible pre-apprenticeship courses by field of education, 2007–08¹

| Field of education | 2007 | 2008 |
|---|---------------|---------------|
| 01 - Natural and physical sciences | 0 | 0 |
| 02 - Information technology | 0 | 16 |
| 03 - Engineering and related technologies | 6 870 | 7 911 |
| 04 - Architecture and building | 1 460 | 2 753 |
| 05 - Agriculture, environmental and related studies | 92 | 194 |
| 06 - Health | 885 | 1 318 |
| 07 - Education | 0 | 0 |
| 08 - Management and commerce | 0 | 0 |
| 09 - Society and culture | 0 | 0 |
| 10 - Creative arts | 0 | 0 |
| 11 - Food, hospitality and personal services | 1 211 | 1 730 |
| 12 - Mixed field programs | 16 | 10 |
| Total | 10 534 | 13 932 |

Note: 1 Data for qualifications completed in 2009 are based on preliminary data submissions. Consequently they are not presented in detail in this publication. The 2009 data will be revised upwards in the 2010 collection to accommodate further notification of qualifications completed.

Source: National VET Provider Collection, 2009.

The remainder of the report focuses on outcomes six months after training, sourced from the Student Outcomes Survey. Table 20 shows that 69.8% of graduates from pre-apprenticeship courses were employed after training. This is lower than the proportion of all VET graduates employed after training (77.8%).

As expected, pre-apprenticeships are also providing a pathway to further study, with 43.5% of the pre-apprenticeship graduates embarking on further study after training. By comparison, 32.1% of all VET graduates went onto further study after training.

Table 20 Key findings for graduates and module completers, 2009 (%)

| Employment and further study outcomes | Graduates | | Module completers | |
|--|----------------------------|-----------------|----------------------------|-----------------|
| | Pre-apprenticeship courses | All VET courses | Pre-apprenticeship courses | All VET courses |
| After training (as at 29 May 2009) | | | | |
| Employed | 69.8 | 77.8 | 58.3 | 74.1 |
| Not employed ¹ | 30.2 | 22.2 | 41.7 | 25.9 |
| Unemployed | 17.7 | 11.3 | 22.4 | 10.3 |
| Not in the labour force | 11.8 | 10.4 | 18.8 | 14.9 |
| Employed before training | 60.7 | 74.9 | 53.4 | 75.8 |
| Difference in proportion employed from before training to after | 9.1 | 2.9 | 4.9 | -1.7 |
| Employed in first full-time job after training ¹ | 18.9 | 17.0 | 12.6 | 14.5 |
| Employed or in further study after training ^{1,2} | 80.9 | 87.6 | 60.0 | 77.1 |
| Enrolled in further study after training ^{1,2} | 43.5 | 32.1 | 2.4* | 4.6 |
| Studying at university ¹ | 3.0 | 6.7 | 2.4* | 4.6 |
| Studying at TAFE institute ¹ | 31.0 | 17.7 | Not applicable | Not applicable |
| Studying at private provider or other registered provider ¹ | 9.1 | 7.5 | Not applicable | Not applicable |

Notes: * The estimate has a relative standard error greater than 25% and therefore should be used with caution.

1 These questions are not asked of students from community education providers. Therefore, the percentage reported represents the proportion of graduates or module completers, respectively, excluding those from community education providers.

2 For module completers, the only further study included is university study as, by definition, module completers have left the VET system.

Source: NCVER Student Outcomes Survey, 2009.

The Apprentice and Trainee Destinations Survey (NCVER 2010) provides information about the destinations of apprentices and trainees approximately nine months after they leave their training. The survey found that pre-vocational and pre-apprenticeship courses were completed by 18.2% of apprentice and trainee completers and non-completers, including:

- ✧ 27.9% of completers and 27.0% of non-completers in a trade apprenticeship or traineeship
- ✧ 14.4% of completers and 14.3% of non-completers in a non-trade apprenticeship or traineeship.

Of those who completed a pre-vocational or pre-apprenticeship course:

- ✧ 82.8% of completers and 76.8% of non-completers in a trade occupation found the course relevant to their apprenticeship or traineeship.
- ✧ 71.0% of completers and 65.8% of non-completers in a non-trade occupation found the course relevant to their apprenticeship.

Karmel and Oliver (2011) further analysed NCVER's 2010 Apprentice and Trainee Destinations Survey and found that pre-apprenticeships:

- ✧ lead to only a modest increase in satisfaction with job-related aspects of apprenticeships (but not off-the-job training aspects)
- ✧ increase the likelihood of completion for apprentices in the construction, food and electro-technology trades and those with a Year 10 or Year 12 level of education

- ✧ reduce the likelihood of completing an apprenticeship for hairdressers and apprentices in the automotive and engineering trades and for those people who already have a certificate III or higher qualification. This suggests that the design of pre-apprenticeships is important
- ✧ reduce the likelihood of discontinuing apprenticeship training because they did not like the type of work or training. However, this does not translate into a higher likelihood of completion.

Conclusion

This research used several approaches to identify pre-apprenticeship activity in Australia. Problems were identified with three of the approaches—the keyword search, the list of courses provided by Victoria, and the list of courses provided by South Australia. It was only the Western Australian dataset that gave sufficient information to provide an accurate analysis of the level of pre-apprenticeship activity in that state. This dataset included a field that identified whether students were undertaking pre-apprenticeship training or other training, such as apprenticeships or traineeships.

Further information on pre-apprenticeships can be sourced from the NCVER Apprentice and Trainee Destinations Survey, 2010. This survey includes information on whether apprentices had completed a pre-apprenticeship course prior to commencing their apprenticeship. Karmel and Oliver's (2011) analysis of the Apprentice and Trainee Destinations Survey also provides more insight into pre-apprenticeships in Australia.

References

- Dumbrell, T & Smith, E 2007, *Pre-apprenticeships in three key trades*, NCVER, Adelaide.
- Karmel, T & Oliver, D 2011, *Pre-apprenticeships and their impact on apprenticeship completion and satisfaction*, NCVER, Adelaide.
- NCVER 2010, *Australian vocational education and training statistics: apprentice and trainee destinations survey 2010*, NCVER, Adelaide.
- Stanwick, J 2005, *Australian Qualifications Framework lower level qualifications: pathways to where for young people?*, NCVER, Adelaide.

Appendix A

This appendix contains a list of Victorian pre-apprenticeship courses (available at: <http://www.skills.vic.gov.au/apprentices/pre-apprenticeships>).

Table A1 List of pre-apprenticeship courses as per the Victorian pre-apprenticeship arrangements for 2010

Automotive

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|--|--|--|--------------------------------|
| Automotive Electrician (B1228) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Electrical | AUR30305 Certificate III in Automotive Electrical Technology: Automotive Electrician (B1228) | 12 |
| Automotive Mechanic Agricultural (B1230) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30405 Certificate III in Automotive Mechanical Technology: Automotive Mechanic Agricultural (B1230) | 12 |
| Automotive Mechanic Heavy Vehicle Mobile Equipment (B1231) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30405 Certificate III in Automotive Mechanical Technology: Automotive Mechanic Heavy Vehicle Mobile Equipment (B1231) | 12 |
| Automotive Mechanic Heavy Vehicle Road Transport (B1232) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30405 Certificate III in Automotive Mechanical Technology: Automotive Mechanic Heavy Vehicle Road Transport (B1232) | 12 |
| Automotive Mechanic Light Vehicle (B1233) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30405 Certificate III in Automotive Mechanical Technology: Automotive Mechanic Light Vehicle (B1233) | 12 |
| Automotive Mechanic Motorcycle (B1234) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30405 Certificate III in Automotive Mechanical Technology: Automotive Mechanic Motorcycle (B1234) | 12 |
| Marine Mechanical | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30505 Certificate III in Marine Mechanical | 12 |
| Automotive Mechanic Brakes (B1235) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30605 Certificate III in Automotive Specialist: Automotive Mechanic Brakes (B1235) | 12 |
| Automotive Mechanic Diesel Fitter (B1236) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30605 Certificate III in Automotive Specialist: Automotive Mechanic Diesel Fitter (B1236) | 12 |
| Automotive Mechanic Driveline (B1238) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Mechanics | AUR30605 Certificate III in Automotive Specialist: Automotive Mechanic Driveline (B1238) | 12 |
| Automotive Mechanic Engine Reconditioning (B1239) | 21560VIC Certificate II in Automotive Technology Studies Descriptor: Automotive Engine Reconditioning | AUR30605 Certificate III in Automotive Specialist: Automotive Mechanic Engine Reconditioning (B1239) | 12 |

Australian meat industry

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|-------|--|--|--------------------------------|
| Meat | MTM20407 – Certificate II in Meat Processing (Food Services) | MTM30807 – Certificate III in Meat Processing (Meat Retailing) | 12 |

General construction

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|-------------------------|---|---|--------------------------------|
| Bricklaying | 21844VIC Certificate II in Building and Construction (Bricklaying) Pre-apprenticeship | CPC30108 Certificate III in Bricklaying/Blocklaying | 6 |
| Carpentry | 21844VIC Certificate II in Building and Construction (Carpentry) Pre-apprenticeship | CPC30208 Certificate III in Carpentry | 6 |
| Painting & Decorating | 21844VIC Certificate II in Building and Construction (Painting & Decorating) Pre-apprenticeship | CPC30608 Certificate III in Painting and Decorating | 6 |
| Tile Laying | 21844VIC Certificate II in Building and Construction (Wall and Floor Tiling) Pre-apprenticeship | CPC31308 Certificate III in Wall and Floor Tiling | 6 |
| Wall and Ceiling Lining | 21844VIC Certificate II in Building and Construction (Wall and Ceiling Lining) Pre-apprenticeship | CPC31208 Certificate III in Wall and Ceiling Lining | 6 |
| Solid Plastering | 21844VIC Certificate II in Building and Construction (Solid Plastering) Pre-apprenticeship | CPC31008 Certificate III in Solid Plastering | 6 |
| Joinery | 21533VIC Certificate II in Joinery, Stair Building, Shopfitting | BCF30200 Certificate III in Off-Site Construction (Joinery – timber/aluminium/glass) BCF30300 Certificate III in Off-Site Construction (Stairs) BCF30100 Certificate III in Off-Site Construction (Shopfitting) | 6 |

Community services

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|--|---|---|--------------------------------|
| Certificate III in Aged Care | CHC20108 Certificate II in Community Services Work | CHC30208 Certificate III in Aged Care | 6 |
| Certificate III in Children's Services | CHC20108 Certificate II in Community Services Work (Children's Services Stream) | CHC30708 Certificate III in Children's Services | 6 |

Engineering

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|------------------------|--|---|--------------------------------|
| Mechanical | 22019VIC Certificate II in Engineering Studies | MEM30205 Certificate III in Engineering – Mechanical Trade | 9 |
| Fabrication | 22019VIC Certificate II in Engineering Studies | MEM30305 Certificate III in Engineering – Fabrication Trade | 9 |
| Electrical/ Electronic | 22019VIC Certificate II in Engineering Studies | MEM30405 Certificate III in Engineering – Electrical/Electronic Trade | 9 |

Food processing industry

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|-----------------|--|---|--------------------------------|
| Food Processing | 21927VIC Certificate II in Retail Baking (Pre-apprenticeship) | FDF30603 Certificate III in Food Processing (Retail Baking – Bread) | 6 |
| | FDF30503 Certificate III in Food Processing (Retail Baking – Cakes and Pastry) | | 6 |
| | FDF30703 Certificate III in Food Processing (Retail Baking – Combined) | | 9 |

Furnishing

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|----------------|---|---|--------------------------------|
| Cabinet Making | 21278VIC Certificate II in Furnishing (Cabinet Making, Wood Machining, Furniture Polishing) | LMF30402 Certificate III in Furniture Making (Cabinet Making) | 12 |
| Glass | 21273VIC Certificate II in Furnishing (Pre-Apprenticeship – Flat Glass Working) | LMF30602 Certificate III in Glass and Glazing | 12 |
| Upholstery | 21246VIC Certificate II in Furnishing (Pre-Apprenticeship – Upholstery) | LMF31002 Certificate III in Upholstery | 12 |

Manufacturing

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|---------------|--|--|--------------------------------|
| Manufacturing | MSA20208 Certificate II in Manufacturing Technology | MSA30208 Certificate III in Manufacturing Technology MSA31108 Certificate III in Competitive Manufacturing MSA30107 Certificate III in Process Manufacturing | 6 |

Plastics, rubber and cablemaking

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|---------|--|--|--------------------------------|
| Plastic | 21839VIC Certificate II in Plastics Processes (Pre-Apprenticeship) | PMB30107 Certificate III in Polymer Processing | 12 |

Printing and graphic arts

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|--------------------------------|---|--|--------------------------------|
| Prepress Operator | ICP20105 Certificate II in Printing & Graphic Arts(General) | ICP30205 – Certificate III in Printing and Graphic Arts (Graphic Prepress) | 12 |
| Print Machinist (Lithographic) | ICP20105 Certificate II in Printing & Graphic Arts(General) | ICP30505 – Certificate III in Printing and Graphic Arts (Printing) | 12 |
| Binder and Finisher | ICP20105 Certificate II in Printing & Graphic Arts(General) | ICP30705 – Certificate III in Printing and Graphic Arts (Print Finishing) | 12 |

Retail and personal services

| Trade | Pre-apprenticeship course/ qualification or traineeship | Apprenticeship or traineeship qualification | Duration credit (months) |
|--------------|--|--|--------------------------------|
| Hairdressing | WRH20106 Certificate II in Hairdressing | WRH30106 Certificate III in Hairdressing | 6 |
| Hairdressing | WRH20106 Certificate II in Hairdressing | WRH30109 Certificate III in Hairdressing | 6 |
| Hairdressing | WRH20109 Certificate II in Hairdressing | WRH30109 Certificate III in Hairdressing | 6 |

Appendix B

This appendix contains a list of South Australian pre-apprenticeship and prevocational courses.

Table B1 Pre-apprenticeship courses as per a list obtained from the Department of Further Education, Employment, Science and Technology

| National Code | Course title |
|---------------|---|
| 40254SA | Certificate II in Signwriting |
| WRH20106 | Certificate II in Hairdressing |
| 10922SA | Training Program in Voc Ed Eng Skills (Stage 1) [Rural] |
| | Training Program in Voc Ed Eng Skills (Stage 2) [Rural] |
| RUV10104 | Certificate I in Animal Studies |
| RUV20104 | Certificate II in Animal Studies |
| BCG10103 | Certificate I in General Construction |
| LMF10102 | Certificate I in Furnishing |
| BCG10103 | Certificate I in General Construction {Specialising in Roof Plumbing Services} |
| BCG10103 | Certificate I in General Construction {Specialising in Plumbing Services} |
| BCG10103 | Certificate I in General Construction {Specialising in Wall and Floor Tiling} |
| BCG10103 | Certificate I in General Construction {Specialising in Wall and Ceiling Lining} |
| BCG10103 | Certificate I in General Construction {Specialising in Painting and Decorating} |
| BCG10103 | Certificate I in General Construction {Specialising in Solid Plastering} |
| BCG10103 | Certificate I in General Construction {Specialising in Bricklaying, Tiling and Plastering} |
| BCG10103 | Certificate I in General Construction {Specialising in Bricklaying} |
| BCG10103 | Certificate I in General Construction {Specialising in Wood Trades – Carpentry, Furnishing and Joinery} |
| RGR10102 | Certificate I in Racing (Stablehand) |
| RGR20102 | Certificate II in Racing (Stablehand) |
| RGR20108 | Certificate II in Racing (Stablehand) |
| RGR10108 | Certificate I in Racing (Stablehand) |
| MEA20401 | Certificate II in Aeroskills |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Wall and Floor Tiling} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Wood Trades – Carpentry, Joinery and Furnishing} |
| LMF10108 | Certificate I in Furnishing {Specialising in Cabinet Making} |
| LMF10108 | Certificate I in Furnishing {Specialising in Glass and Glazing} |
| LMF10108 | Certificate I in Furnishing {Specialising in Upholstery} |
| LMF10108 | Certificate I in Furnishing {Specialising in Floor Covering} |
| LMF10108 | Certificate I in Furnishing {Specialising in Furniture Finishing} |
| LMF10108 | Certificate I in Furnishing {Specialising in Furniture Making} |
| LMF10108 | Certificate I in Furnishing {Specialising in Interior Decoration and Design} |
| WRH20109 | Certificate II in Hairdressing |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Painting & Decorating and Wall & Ceiling Lining} |
| AUR10105 | Certificate I in Automotive {Specialising in Vehicle Body} |
| AUR10105 | Certificate I in Automotive {Specialising in Light Vehicle} |
| | Pre Apprenticeship Training Program (Hairdressing/Beauty/Retail) |

| National Code | Course title |
|---------------|--|
| MEM10105 | Certificate I in Engineering {Specialising in Fabrication} |
| MEM10105 | Certificate I in Engineering {Specialising in Marine Craft Construction} |
| MEM10105 | Certificate I in Engineering {Specialising in Mechanical} |
| MEM10105 | Certificate I in Engineering {Specialising in Multi-Trades} |
| LMF10102 | Certificate I in Furnishing {Specialising in Cabinet Making} |
| LMF10102 | Certificate I in Furnishing {Specialising in Floor Covering} |
| LMF10102 | Certificate I in Furnishing {Specialising in Glass and Glazing} |
| MEA20407 | Certificate II in Aeroskills |
| UEE22007 | Certificate II in Electrotechnology (Career Start) |
| CPC20208 | Certificate II in Construction Pathways |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Bricklaying} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Bricklaying, Tiling and Plastering} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Painting and Decorating} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Plumbing} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Signage} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Solid Plastering} |
| CPC20208 | Certificate II in Construction Pathways {Specialising in Wall and Ceiling Lining} |
| CPC20208 | Certificate in Voc Ed – Engineering Multi Trades (Transport Strand) |
| | Certificate in Voc Ed – Automotive/Multi Trades |
| | Certificate in Voc Ed – Gen Engineering (Drafting – Mechanical) |
| | Certificate in Voc Ed – Gen Engineering (Drafting – Building & Furnishing) |
| | Certificate in Voc Ed – Gen Engineering (Production System Electrical) |
| | Certificate in Voc Ed – Gen Engineering (Production System Mechanical) |
| | Certificate in Voc Ed – Gen Engineering (Production System Fabrication) |
| | Certificate in Voc Ed – General Engineering (Design – Building & Furnishing) |
| | Certificate in Voc Ed – Gen Engineering (Design – Mechanical) |
| | Certificate in Voc Ed – Gen Engineering (Design – Electrical) |
| | Certificate in Voc Ed – Gen Engineering (Design – Fabrication) |
| | Certificate in Voc Ed – Automotive Engineering (Stage 2) |
| | Certificate in Voc Ed – Automotive/Aircraft Mechanics |
| LMF10108 | Certificate I in Furnishing |
| MTM10207 | Certificate I in Meat Processing (Meat Retailing) |
| 40537SA | Certificate II in Electrotechnology (Career Start) |
| MEM10105 | Certificate I in Engineering |
| FPI10105 | Certificate I in Forest and Forest Products |
| MNM20305 | Certificate II in Metalliferous Mining Operations (Processing) |
| MNM20106 | Certificate II in Metalliferous Mining Operations (Open Cut) |
| AUR10105 | Certificate I in Automotive |
| AUR20905 | Certificate II in Automotive Vehicle Body |
| AUR20705 | Certificate II in Automotive Mechanical |

Note: Courses without a national identification code were not included in the data that were extracted from the National VET Provider Collection within this report.

Appendix C

This appendix contains the total number of course enrolments in pre-apprenticeship courses. These pre-apprenticeship courses were identified through:

- 1 a keyword search
- 2 a Victorian list of pre-apprenticeship courses
- 3 a South Australian list of pre-vocational courses
- 4 a dataset supplied by Western Australian Department of Training and Workplace Development (excluding certificate III courses and courses where pre-apprenticeships comprised at least 80% of the total number of apprentices and pre-apprentices).

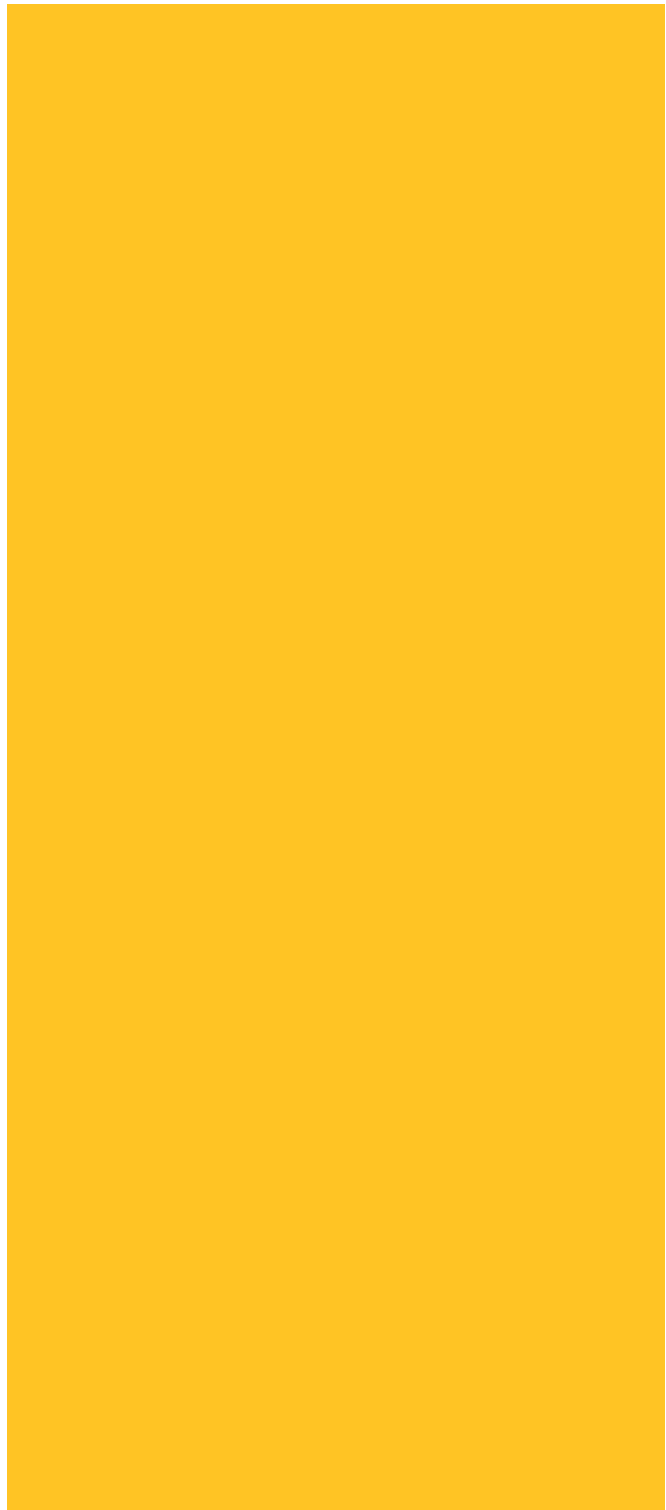
Table C1 Number of course enrolments in pre-apprenticeship courses by state or territory, 2009

| Course id | Course name | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|--------------------------------------|---|-----|------|-----|----|-----|------|----|-----|-------|
| <i>Nationally accredited courses</i> | | | | | | | | | | |
| 43221 | Aviation and Engineering Prevocational Course | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 43918 | Ablelinks Prevocation | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 44027 | Schools Pre-Employment Skills Cluster | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 51403 | Certificate I in School Apprenticeship Link Pilot-Food Family Of Trades | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 77 |
| 51461 | Course in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 25 |
| 51717 | Certificate I in Metals and Engineering Studies (Pre-Apprentice/School Apprentice Link) | 0 | 0 | 0 | 0 | 281 | 0 | 0 | 0 | 281 |
| 51908 | Certificate I in Electrotechnology Pre-Apprentice Electrical | 0 | 0 | 0 | 0 | 282 | 0 | 0 | 0 | 282 |
| 51958 | Course in Underpinning Skills For Industry Qualifications (USIQ) | 0 | 0 | 0 | 0 | 714 | 0 | 0 | 0 | 714 |
| 51991 | Course in General Plumbing And Gas Fitting (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 208 | 0 | 0 | 0 | 208 |
| 52031 | Certificate I in Roof Plumbing (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 12 |
| 52032 | Certificate I in Aeroskills (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 21 |
| 52055 | Certificate I in Vehicle Body Building (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| 52056 | Certificate I in Electronic Servicing (Pre-Apprenticeship) | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 26 |
| 21273VIC | Certificate II in Furnishing (Pre-Apprenticeship – Flat Glass Working) | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |

| Course id | Course name | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|--|--|------------|---------------|------------|-----------|--------------|----------|----------|-----------|---------------|
| 21278VIC | Certificate II in Furnishing (Preapprenticeship – Cabinet Making, Wood Machining, Wood Polishing) | 0 | 1 064 | 0 | 0 | 0 | 0 | 0 | 0 | 1 064 |
| 21533VIC | Certificate II in Joinery/Shopfitting/Stairbuilding (Pre-Apprenticeship) | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 0 | 133 |
| 21560VIC | Certificate II in Automotive Technology Studies | 0 | 2 231 | 0 | 0 | 0 | 0 | 0 | 0 | 2 231 |
| 21642VIC | Certificate II in Plumbing (Prevocational) | 0 | 697 | 0 | 0 | 0 | 0 | 0 | 0 | 697 |
| 21844VIC | Certificate II in Building And Construction (Bricklaying, Carpentry, Painting and Decorating, Wall A | 0 | 4 548 | 0 | 0 | 0 | 0 | 0 | 0 | 4 548 |
| 21887VIC | Certificate II in Electrotechnology Studies (Pre-Vocational) | 0 | 1 631 | 0 | 0 | 0 | 0 | 0 | 0 | 1 631 |
| 21927VIC | Certificate II in Retail Baking (Pre-Apprenticeship) | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 30605QLD | Course in Pre-Vocational Concreting and Steelfixing | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| 39109QLD | Certificate I in Plumbing Services (Pre-Apprenticeship) | 0 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 216 |
| 39115QLD | Certificate I in Furniture Making And Finishing (Pre-Vocational) | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 39133QLD | Certificate I in Construction – Bricklaying (Pre-Apprenticeship) | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 76 |
| 39220QLD | Certificate I in Pre-Apprenticeship Construction Skills | 0 | 0 | 477 | 0 | 0 | 0 | 0 | 0 | 477 |
| 40254SA | Certificate II in Signwriting | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 |
| 40537SA | Certificate II in Electrotechnology (Career Start) | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 41 |
| 90969NSW | Certificate I in Electrical Pre-Vocation | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 90970NSW | Certificate I in Electronics/Computer Pre-Vocation | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| SA-TC18 | Training Program in Plumbing Pre-Vocational Skills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 11 |
| WWW04814 | Carpentry (Pre-Vocational) | 313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 313 |
| WWW27371 | Autostart MTA Mechanical Pre-Apprenticeship | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| Total nationally accredited courses | | 372 | 10 362 | 779 | 62 | 1 660 | 0 | 0 | 11 | 13 246 |
| <i>Training package qualifications</i> | | | | | | | | | | |
| AUR10105 | Certificate I in Automotive | 232 | 121 | 238 | 251 | 1 342 | 265 | 288 | 0 | 2 737 |
| AUR20505 | Certificate II in Automotive Vehicle Servicing | 435 | 372 | 231 | 36 | 244 | 185 | 71 | 48 | 1 622 |
| AUR20705 | Certificate II in Automotive Mechanical | 629 | 561 | 2 060 | 274 | 397 | 214 | 61 | 28 | 4 224 |
| AUR20905 | Certificate II in Automotive Vehicle Body | 328 | 100 | 123 | 26 | 19 | 11 | 2 | 4 | 613 |
| BCF10100 | Certificate I in Construction (Off-Site) | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 60 |
| BCG10103 | Certificate I in General Construction | 4 948 | 0 | 1 622 | 857 | 2 113 | 241 | 255 | 0 | 10 036 |

| Course id | Course name | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Total |
|--|---|---------------|---------------|---------------|--------------|---------------|--------------|--------------|------------|---------------|
| CHC20108 | Certificate II in Community Services | 73 | 14 | 3 | 0 | 0 | 0 | 0 | 1 | 91 |
| CPC10108 | Certificate I in Construction | 904 | 0 | 2 039 | 1 | 430 | 5 | 0 | 0 | 3 379 |
| FPI10105 | Certificate I in Forest and Forest Products | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| ICP20105 | Certificate II in Printing and Graphic Arts (General) | 0 | 29 | 19 | 2 | 0 | 12 | 0 | 0 | 62 |
| LMF10102 | Certificate I in Furnishing | 89 | 22 | 413 | 153 | 414 | 3 | 0 | 0 | 1 094 |
| LMF10108 | Certificate I in Furnishing | 0 | 16 | 0 | 0 | 1 | 0 | 0 | 0 | 17 |
| MEA20401 | Certificate II in Aeroskills | 32 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 42 |
| MEA20407 | Certificate II in Aeroskills | 111 | 0 | 33 | 25 | 0 | 0 | 0 | 0 | 169 |
| MEM10105 | Certificate I in Engineering | 2 084 | 91 | 816 | 675 | 1 277 | 75 | 341 | 5 | 5 364 |
| MEM20105 | Certificate II in Engineering | 3 140 | 1 698 | 2 327 | 105 | 527 | 183 | 61 | 4 | 8 045 |
| MNM20106 | Certificate II in Metalliferous Mining Operations (Open Cut) | 1 | 30 | 127 | 117 | 746 | 87 | 2 | 0 | 1 110 |
| MNM20305 | Certificate II in Metalliferous Mining Operations – Processing | 1 | 0 | 28 | 31 | 241 | 10 | 0 | 0 | 311 |
| MTM10207 | Certificate I in Meat Processing (Meat Retailing) | 8 | 0 | 0 | 117 | 0 | 56 | 0 | 0 | 181 |
| MTM20407 | Certificate II in Meat Processing (Food Services) | 2 | 39 | 54 | 0 | 6 | 1 | 0 | 0 | 102 |
| RGR10102 | Certificate I in Racing (Stablehand) | 0 | 0 | 0 | 27 | 0 | 0 | 16 | 0 | 43 |
| RGR10108 | Certificate I in Racing (Stablehand) | 25 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 26 |
| RGR20102 | Certificate II in Racing (Stablehand) | 95 | 36 | 9 | 42 | 13 | 12 | 25 | 0 | 232 |
| RGR20108 | Certificate II in Racing (Stablehand) | 28 | 31 | 14 | 0 | 0 | 0 | 0 | 0 | 73 |
| RUV10104 | Certificate I in Animal Studies | 0 | 0 | 0 | 138 | 10 | 7 | 0 | 0 | 155 |
| RUV20104 | Certificate II in Animal Studies | 2 357 | 416 | 333 | 181 | 97 | 34 | 14 | 2 | 3 434 |
| TDM10107 | Certificate I in Transport and Distribution (Maritime Operations) | 295 | 0 | 302 | 0 | 158 | 0 | 17 | 0 | 772 |
| UEE22007 | Certificate II in Electrotechnology (Career Start) | 1 125 | 127 | 408 | 261 | 97 | 143 | 13 | 0 | 2 174 |
| UTE10102 | Certificate I in Electrotechnology | 0 | 61 | 97 | 0 | 1 | 0 | 4 | 0 | 163 |
| WRH20106 | Certificate II in Hairdressing | 1 192 | 1 703 | 1 282 | 364 | 308 | 275 | 87 | 35 | 5 246 |
| WRH20109 | Certificate II in Hairdressing | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| Total training package qualifications | | 18 134 | 5 476 | 12 588 | 3 683 | 8 502 | 1 819 | 1 257 | 127 | 51 586 |
| Grand total | | 18 506 | 15 838 | 13 367 | 3 745 | 10 162 | 1 819 | 1 257 | 138 | 64 832 |

Source: National VET Provider Collection, 2009.



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