

Australian Collaborative Education Network Member Summary Report

December 2022



Social
Research
Centre

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Contents

List of figures	iv
List of tables	iv
1. Introduction	1
1.1. Australian Collaborative Education Network	1
1.2. Background	1
1.3. About this report.....	1
1.4. Additional analysis	2
2. Participation in WIL, employability-related activities, and paid work	3
2.1. Participation in WIL	3
2.2. Participation in employability-related activities	3
2.3. Paid work during study	4
3. Participation by study and background characteristics	6
4. Participation by study area	10
5. Value of WIL for employability	12
6. Influence of WIL on employment outcomes	13
6.1. Full-time employment	13
6.2. Qualification preparedness	14
6.3. Perceived over-qualification.....	16
6.4. Occupations	17
6.5. Further studies	18
List of abbreviations and terms	19
Appendix 1 ACEN questionnaire items	20
Appendix 2 Analysis syntax	22

List of figures

Figure 1	WIL participation	3
Figure 2	Agreement with statements relating to WIL employability outcomes	12
Figure 3	Influence of WIL on employment outcomes	13

List of tables

Table 1	Employability-related activities.....	4
Table 2	Paid work activities	4
Table 3	WIL participation by gender, mode of completion, socio-economic status, and age	7
Table 4	WIL participation by indigenous, disability, citizenship, and NESB indicators.....	7
Table 5	Employability-related activities by gender, mode of completion, socio-economic status, and age	8
Table 6	Employability-related activities by indigenous, disability, citizenship, and NESB indicators.....	9
Table 7	Study area participation	10
Table 8	Participation in WIL by study area	11
Table 9	Average agreement ratings for employability outcomes by course level	12
Table 10	Influence of WIL and employability-related activities on full-time employment	14
Table 11	Qualification preparedness for graduates employed full-time – All levels	15
Table 12	Scale of perceived over-qualification for graduates employed full-time – All levels	16
Table 13	Full-time graduate occupational outcomes – All levels.....	17
Table 14	Further full-time study outcomes – All levels	18

1. Introduction

1.1. Australian Collaborative Education Network

The Australian Collaborative Education Network Limited (ACEN) is a professional association for collaborative education and is recognised as a national leader in Work-Integrated Learning (WIL) research, scholarship, and practice in Australia. WIL provides opportunities for students to engage with their profession, industry, or the community as part of their formal learning and assessment. WIL can include activities such as internships, cooperative education, work placements, industry or community-based learning, clinical rotations, sandwich years and practical, research or consultancy type projects.

ACEN provides strategic leadership for WIL research and practice in Australia and aims to lead the advancement of WIL in Australia through collaboration with the tertiary education sector, students, industry, community, and government.

1.2. Background

ACEN commissioned the Social Research Centre to include five items (see Appendix 1) related to WIL in the 2022 Graduate Outcomes Survey (GOS). The GOS is a component of the Quality Indicators for Learning and Teaching (QILT) suite of surveys, commissioned by the Australian Government Department of Education, Skills and Employment ('the department'). The broad aim of the GOS is to measure the short-term labour force outcomes of graduates (approximately) four to six months after completing their studies. The development, collection and reporting of these measures provide reliable, valid and generalisable information on graduate outcomes to the Australian government and to higher education providers. Specific research objectives of the GOS are to measure recent higher education graduates':

- employment and further study outcomes, and
- level of satisfaction with their higher education course.

Graduates who completed a course from March 2021 through to February 2022 were invited to participate in the 2022 GOS. For most institutions, the GOS 'collection cycle' was conducted over two 'collection rounds' (November and May). There was also a smaller February round for institutions with August to October completers. Graduate sample, including contact information, was provided by the higher education institutions.

A total of 34 institutions participated in the ACEN items as part of the 2022 GOS.

The main objectives of the ACEN items were to measure:

- participation in WIL,
- participation in employability related activities,
- influence of WIL on employment outcomes, and
- influence of WIL on qualification preparedness.

1.3. About this report

This report provides a summary of results from the ACEN items included as part of the 2022 GOS. Results for each item are shown at an overall level, that is, across all participating members, and include

data for 2022 only. These results provide important national benchmarks to which institutions can compare their own performance.

Charts and tables are used throughout the report (see List of Tables and List of Figures for further details). Each chart and table include a description of which survey respondents have been included in results, the number of responses provided for each chart, and the question asked in the survey. All results presented only include survey respondents who gave a valid response and do not include those who did not answer a question. As such, bases vary for each item asked.

To assist with analysis some derived variables were created to measure participation in any WIL activity (ACEN1) and participation in employability-related activities (ACEN3). Employability-related activities are undertaken through extra- or co-curricular arrangements and, therefore, are not for academic credit and are not part of a students' formal program of study. Refer to Appendix 1 for a complete list of ACEN questionnaire items.

Topline and equity group results have been presented for all graduates who provided a valid response and filtered to the graduate record level to ensure no double counting for graduates undertaking double degrees. Results presented by study area are shown for all graduates who provided a valid response, with graduates who completed double degrees in different study areas presented twice (aligning with QILT national reporting guidelines). Analysis on the impact of WIL has been undertaken to align with the GOS National Report, as such, data has been filtered to the graduate record level and domestic graduates.

Please note that syntax for the presented results is provided in Appendix 2.

1.4. Additional analysis

In addition to the summary results presented in this report, ACEN also undertakes additional analysis, including the impact of WIL and employability-related activities on other labour market outcomes, such as overall employment, and over-qualification, skill development and occupations, and how this may vary by study area and equity group status. Findings will be communicated to members in future reports, webinars, articles and/or position papers.

2. Participation in WIL, employability-related activities, and paid work

This section of the report presents summary findings for ACEN items 1, 3 and 4 included in the 2022 GOS. Data are presented for all graduates who provided a valid response and filtered to the graduate record level (see '1.3 About this report' for further information).

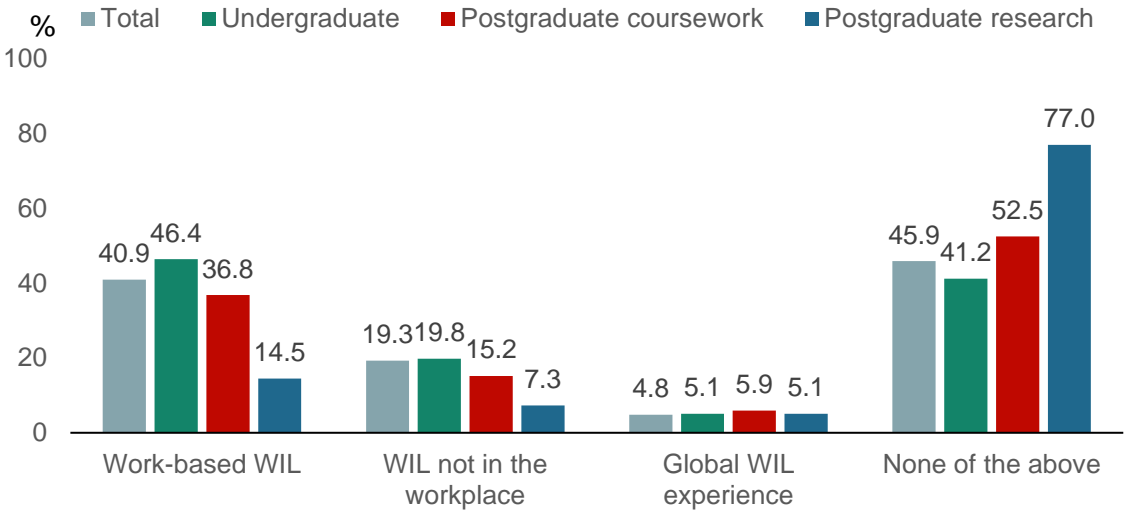
2.1. Participation in WIL

All survey respondents from participating institutions were asked if they had undertaken any WIL activities as a core or elective component of their recently completed course.

As seen in Figure 1, the most common form of WIL undertaken by survey respondents in the 2022 GOS was work-based WIL (40.9%). This was followed by WIL not in the workplace (19.3%) and a Global WIL experience (4.8%). Slightly over two-fifths (45.9%) of graduates surveyed said they had not participated in any WIL.

A similar pattern of results was noted when looking at results by course level, with undergraduates, postgraduate coursework and postgraduate research graduates all mentioning work-based WIL as the most common form of WIL. Postgraduate research graduates were the least likely to have undertaken any WIL, with approximately three-quarters (77.0%) saying they had done no WIL activities.

Figure 1 WIL participation



Base: All respondents from institutions participating in ACEN items and gave valid response (Total, n=86,427; Undergraduate, n=47,192; Postgraduate coursework, n=34,729; Postgraduate research, n=4,506).

2.2. Participation in employability-related activities

Survey respondents were also asked if they had undertaken any not-for-academic credit employability-related activities while they were studying. As seen in Table 1, the most common activity was volunteering (34.0%), followed by having a position of responsibility in a club or society (16.6%) and being a mentee in an industry-based arrangement (7.3%). All other employability-related activities were mentioned by less than one-in-ten graduates. Undergraduates and postgraduate research graduates reported higher levels of participation in employability-related activities than postgraduate coursework graduates.

Table 1 **Employability-related activities**

Activity	Total (%)	Undergraduate (%)	Postgraduate coursework (%)	Postgraduate research (%)
Volunteering	34.0	39.2	26.8	36.8
Position of responsibility in a club/society	16.6	19.3	12.2	23.1
Mentee in industry-based arrangement	7.3	7.3	7.2	7.6
Micro-credentialing or digital badge program	4.9	5.6	4.1	4.6
Enterprise incubator or start-up activity	3.5	3.5	3.7	2.6
Co-curricular leadership or award program	2.3	2.0	2.6	3.3
Other	3.8	3.8	3.4	7.2
None of these	53.6	49.1	60.7	46.3

Base: All respondents from institutions participating in ACEN items and gave valid response (Total, n=84,395; Undergraduate, n=45,949; Postgraduate coursework, n=33,941; Postgraduate research, n=4,505).

2.3. Paid work during study

To better understand work related activities, survey respondents were asked if they had undertaken any paid work activities while they were studying. As seen in Table 2, approximately one-third (36.2%) of graduates said they were in part-time work not relevant to their intended career and approximately one-quarter (27.5%) said they were in part-time work relevant to their intended career.

Full-time work was less common, with one-fifth saying full-time work relevant to intended career (20.3%) and less than one-in-ten saying full-time work not relevant to intended career (7.1%). Less than one-fifth (18.5%) of graduates said they were not in part-time or full-time work. As can be seen there was a lot of variability in paid work activities by course level, perhaps reflective of the different life stages of each cohort.

Table 2 **Paid work activities**

Activity	Total (%)	Undergraduate (%)	Postgraduate coursework (%)	Postgraduate research (%)
Part-time paid work not relevant to intended career	36.2	45.4	26.1	19.2
Part-time paid work relevant to intended career	27.5	28.5	23.2	50.4
Full-time paid work relevant to intended career	20.3	13.2	30.8	14.0
Full-time paid work not relevant to intended career	7.1	8.0	6.5	2.1
Other	4.0	4.7	2.8	6.0
None of these	18.5	18.2	18.6	20.0

Base: All respondents from institutions participating in ACEN items and gave valid response (Total, n=87,107; Undergraduate, n=47,530; Postgraduate coursework, n=35,010; Postgraduate research, n=4,567).

Please note that the items in this group do not indicate at what point of a graduate's study the employment was undertaken, how long for or whether the graduate was still employed in this role. It is felt that this may impact on the quality of conclusions being drawn about the impact of these work activities on graduate labour force outcomes.

Which of the following paid work activities, if any, did you undertake **while you were studying** your <E308A/E308B>. *Please select all that apply.*

We would recommend analysis of this item against variables in the GOS such as EMP12 and EMPTIME which indicate how long a graduate has been in their current job, and perhaps against the SPOQ items to gain some insight and that this group of items be reviewed and refined in subsequent years.

3. Participation by study and background characteristics

Tables 3, 4, 5 and 6 (on the next pages) provide analysis of participation in WIL and employability-related activities by equity groups of importance. Key take-aways from this analysis are presented below:

- Females were more likely than their male counterparts to have participated in any form of WIL activity. No differences were noted by gender for participation in employability-related activities.
- Internal or multi-mode students were more likely than those completing externally to have participated in any form of WIL or any employability-related activity.
- Graduates with a high socio-economic status were less likely to have participated in WIL than their low or medium counterparts, however they were more likely to have participated in employability-related activities.
- Younger graduates (aged thirty or under) were more likely to have participated in any form of WIL activity or employability-related activity than their older counterparts (over thirty years).
- Non-indigenous graduates were more likely to have participated in any employability-related activities. No differences were noted by indigenous status for participation in any form of WIL.
- No differences by disability status were noted for participation in any form of WIL. Graduates with a disability were more likely to have undertaken an employability-related activity.
- Domestic graduates were less likely than overseas graduates to have undertaken any form of WIL, or any employability-related activity.
- Graduates from a non-English speaking background (NESB) were more likely to have participated in any form of WIL and employability-related activity.

Table 3 WIL participation by gender, mode of completion, socio-economic status, and age

Activity	Gender		Mode of completion		Socio-economic status			Age group	
	Female (%)	Male (%)	Internal / Multi mode (%)	External (%)	High (%)	Low (%)	Medium (%)	30 or under (%)	Over 30 (%)
Any WIL	55.9*	51.1	59.2*	38.2	51.3	56.2*	55.2*	59.2*	43.9
Work-based WIL	43.7*	36.4	45.4*	26.8	39.8	45.1*	44.4*	45.2*	32.4
WIL not based in the workplace	19.2	19.4	21.1*	13.7	17.9	18.2	18.0	21.3*	15.2
Global WIL experience	4.5	5.4*	5.5*	2.7	3.8	3.5	3.5	5.5*	3.6
None of these	44.1	48.9*	40.8	61.8*	48.7	43.8*	44.8*	40.8	56.1*

Note: * indicates response is significantly different (p<0.05) from comparison group. For socio-economic status comparisons have been made to the High cohort

Table 4 WIL participation by indigenous, disability, citizenship, and NESB indicators

Activity	Indigenous indicator		Disability indicator		Citizenship indicator		NESB indicator	
	Nonindigenous %	Indigenous %	No disability %	Disability %	Domestic %	Overseas %	English %	NESB %
Any WIL	54.1	54.9	54.2	53.3	52.2	59.9*	52.7	60.5*
Work-based WIL	40.9	41.5	40.9	40.8	41.2*	40.0	40.9	40.8
WIL not based in the workplace	19.3	19.6	19.2	20.5*	17.4	25.1*	18.1	24.7*
Global WIL experience	4.9	3.7	4.9*	4.1	3.7	8.2*	4.1	8.1*
None of these	45.9	45.1	45.8	46.7	47.8*	40.1	47.3*	39.5

Note: * indicates response is significantly different (p<0.05) from comparison group.

Table 5 Employability-related activities by gender, mode of completion, socio-economic status, and age

Activity	Gender		Mode of completion		Socio-economic status			Age group	
	Female (%)	Male (%)	Internal / Multi mode (%)	External (%)	High (%)	Low (%)	Medium (%)	30 or under (%)	Over 30 (%)
Any employability-related activity	46.4	46.3	51.0*	31.7	46.2	42.6*	43.7*	51.1*	37.1
Volunteering	35.3*	31.8	37.7*	22.2	33.9	32.6*	33.0	38.3*	25.6
Position of responsibility in a club/society	15.4	18.7*	18.7*	9.8	18.0	14.2*	15.4*	19.5*	11.1
Mentee in industry-based arrangement	7.3	7.2	8.1*	4.5	7.5	6.2*	6.3*	8.1*	5.6
Enterprise incubator or start-up activity	1.7	3.3*	2.7*	1.2	1.9	1.0*	1.3*	2.6*	1.8
Co-curricular leadership or award program	4.8	5.2*	5.9*	1.9	5.2	3.5*	3.8*	6.2*	2.5
Micro-credentialing or digital badge program	3.0	4.4*	3.9*	2.4	3.6	2.9*	2.9*	3.9*	2.7
Other	3.9	3.7	4.0*	3.2	3.9	3.5	3.7	3.5	4.5*
None of these	53.6	53.7	49.0	68.3*	53.8	57.4*	56.3*	48.9	62.9*

Note: * indicates response is significantly different (p<0.05) from comparison group. For socio-economic status comparisons have been made to the High cohort

Table 6 Employability-related activities by indigenous, disability, citizenship, and NESB indicators

Activity	Indigenous indicator		Disability indicator		Citizenship indicator		NESB indicator	
	Nonindigenous	Indigenous	No disability	Disability	Domestic	Overseas	English	NESB
	%	%	%	%	%	%	%	%
Any employability-related activity	46.4*	41.1	45.8	54.7*	44.1	53.1*	45.4	51.0*
Volunteering	34.1*	29.5	33.4	42.9*	32.9	37.5*	33.7	35.7*
Position of responsibility in a club/society	16.6	16.4	16.3	20.7*	16.1	18.2*	16.8	16.1
Mentee in industry-based arrangement	7.3	7.8	7.1	9.0*	6.6	9.2*	6.9	9.0*
Enterprise incubator or start-up activity	2.3	1.9	2.3	2.3	1.5	4.7*	1.8	4.6*
Co-curricular leadership or award program	4.9	4.6	4.8	6.1*	4.2	7.2*	4.5	6.8*
Micro-credentialing or digital badge program	3.5	2.4	3.4	4.5*	3.0	4.9*	3.1	5.3*
Other	3.8	5.9*	3.7	5.4*	3.9	3.8	3.9*	3.4
None of these	53.6	58.9*	54.2*	45.3	55.9*	46.9	54.6*	49.0

Note: * indicates response is significantly different (p<0.05) from comparison group. For socio-economic status comparisons have been made to the High cohort

4. Participation by study area

This section of the report presents results for participation in WIL by study area. Results are shown at the study area level, not graduate level. As such, graduates who completed a double degree are counted twice throughout this section if the two elements of their double degree fall into different study areas. For example, a graduate doing an Engineering/Law degree would be counted twice as their Engineering course falls into a different study area than their Law course.

Study areas with the highest number of total responses to ACEN items (see Table 7) were Business and management (18.5% of responses), Science and mathematics (9.2%), Teacher education (8.8%) and Nursing (8.3%).

There may be sufficient responses to analyse this data at the 45-study area level to break up larger and more diverse study areas such as Business and management, Science and mathematics and Engineering.

Table 7 Study area participation

Study area	Provided valid response to ACEN 1 or ACEN 3		
	Sample records n	n	%
Science and mathematics	9,941	8,391	9.2%
Computing and information systems	8,825	6,775	7.4%
Engineering	7,647	6,265	6.8%
Architecture and built environment	2,788	2,207	2.4%
Agriculture and environmental studies	2,306	1,991	2.2%
Health services and support	8,365	6,818	7.4%
Medicine	1,691	1,437	1.6%
Nursing	9,957	7,600	8.3%
Pharmacy	584	482	0.5%
Dentistry	266	214	0.2%
Veterinary science	380	335	0.4%
Rehabilitation	1,239	1,027	1.1%
Teacher education	10,028	8,099	8.8%
Business and management	21,427	16,967	18.5%
Humanities, culture and social sciences	8,788	7,329	8.0%
Social work	2,734	2,286	2.5%
Psychology	5,349	4,558	5.0%
Law and paralegal studies	4,359	3,578	3.9%
Creative arts	3,102	2,447	2.7%
Communications	3,268	2,656	2.9%
Tourism, hospitality, personal services, sport and recreation	209	160	0.2%
Total	113,253	91,622	100.0%

Note: Number of sample records presented above are total records presented ACEN items, including double degree graduates.

As shown in Table 8, study areas with the highest levels of participation in any form of WIL were Rehabilitation (89.2%), Pharmacy (78.3%), Dentistry (78.2%), Social work (76.4%), and Veterinary science (74.6%).

Table 8 Participation in WIL by study area

Study area	Participated in any WIL		Did not participate in any WIL	
	n	%	n	%
Science and mathematics	3,558	42.8	4,747	57.2
Computing and information systems	3,458	51.8	3,212	48.2
Engineering	3,961	64.0	2,224	36.0
Architecture and built environment	1,088	49.7	1,100	50.3
Agriculture and environmental studies	813	41.3	1,156	58.7
Health services and support	4,263	63.2	2,482	36.8
Medicine	833	58.8	583	41.2
Nursing	5,417	72.4	2,065	27.6
Pharmacy	375	78.3	104	21.7
Dentistry	165	78.2	46	21.8
Veterinary science	249	74.6	85	25.4
Rehabilitation	908	89.2	110	10.8
Teacher education	5,286	66.2	2,701	33.8
Business and management	8,138	48.6	8,605	51.4
Humanities, culture and social sciences	3,029	41.8	4,215	58.2
Social work	1,725	76.4	532	23.6
Psychology	1,806	40.1	2,702	59.9
Law and paralegal studies	1,815	51.4	1,714	48.6
Creative arts	1,260	52.2	1,152	47.8
Communications	1,434	54.5	1,195	45.5
Tourism, hospitality, personal services, sport and recreation	112	70.0	48	30.0
Total	49,693	54.9	40,778	45.1

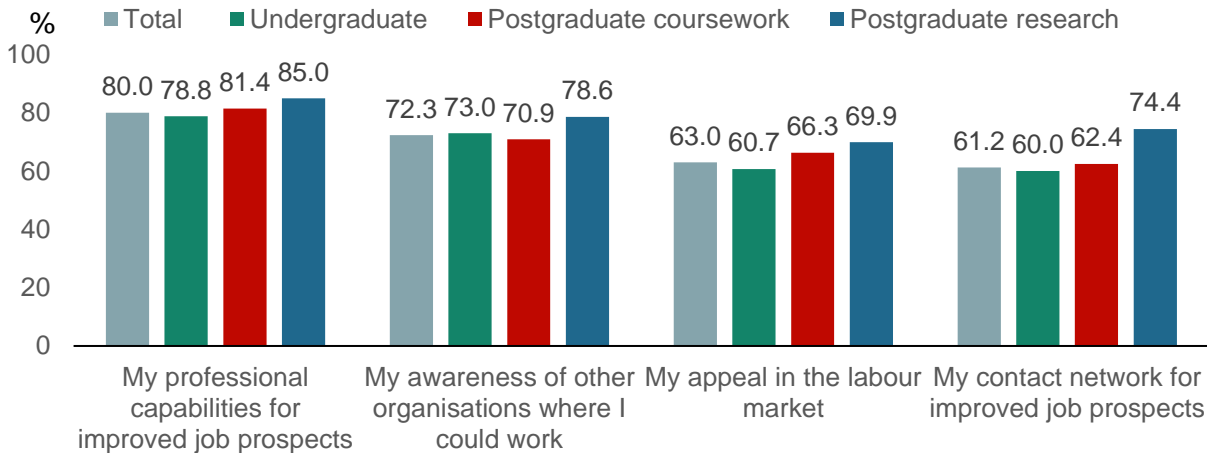
Note: Number of sample records presented above are total records presented ACEN items, including double degree graduates.

5. Value of WIL for employability

Survey respondents who had completed some form of WIL were asked the extent to which they agreed or disagreed that participation in WIL had improved their employability outcomes.

Figure 2 shows the proportion of graduates who agreed or strongly agreed with each statement related to employability outcomes. There was high level of agreement among graduates that WIL activities improved professional capabilities for improved job prospects (80.0%) and awareness of other organisations where graduates could work (72.3%). Approximately two-thirds of graduates surveyed said participation in WIL improved their appeal in the labour market (63.0%) and their contact network for improved job prospects (61.2%). Postgraduate coursework and research graduates tended to be more likely to agree with statements relating to WIL employability outcomes than undergraduates.

Figure 2 Agreement with statements relating to WIL employability outcomes



Base: Completed some form of WIL for academic credit (Total, n=46,755; Undergraduate, n=27,747; Postgraduate coursework, n=17,970; Postgraduate research, n=1,038). Note: As chart only includes valid responses, base for each item varies due to respondents choosing to skip individual items.

Table 9 provides the average response for each of the four employability outcomes by course level.

Table 9 Average agreement ratings for employability outcomes by course level

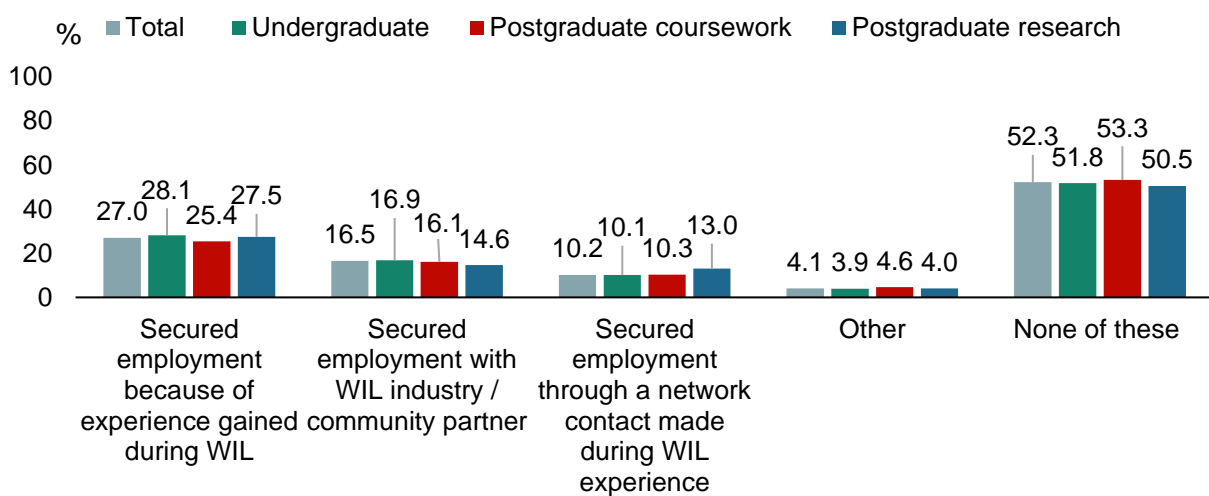
Employability outcome	Undergraduate		Postgraduate (coursework)		Postgraduate (research)	
	Mean	SD	Mean	SD	Mean	SD
My professional capabilities for improved job prospects	3.92	0.812	3.97	0.779	4.07	0.760
My awareness of other organisations where I could work	3.78	0.925	3.75	0.895	3.88	0.855
My appeal in the labour market	3.63	0.915	3.73	0.869	3.84	0.845
My contact network for improved job prospects	3.56	1.017	3.62	0.960	3.85	0.881

6. Influence of WIL on employment outcomes

All survey respondents who had completed some form of WIL were asked how the experience influenced their employment outcomes.

Results suggest that graduates perceive WIL to have minimal influence on employment outcomes (as measured by the items in the GOS). Slightly over half (52.3%) of graduates said that WIL had not influenced their employment outcomes in any of the ways specified. The most common influence of WIL was securing employment because of experience gained during WIL (27.0%), followed by securing employment with a WIL industry/community partner (16.5%) and securing employment through a network contact made during WIL experience (10.2%). Results were relatively stable by course level.

Figure 3 Influence of WIL on employment outcomes



Base: Completed some form of WIL and gave valid response (Total, n=45,351; Undergraduate, n=26,936; Postgraduate coursework, n=17,399; Postgraduate research, n=1,016).

When drawing on full-time employment, qualification preparedness and perceived over-qualification, however, the impact of participating in WIL is more apparent. To align with data presented in the GOS National Report, results have been filtered to the graduate record level and are presented for domestic graduates only (see '1.3 About this report' for more information).

6.1. Full-time employment

Table 10 presents WIL and employability-related activity participation by full-time employment outcomes for each course level.

Results show that participation in any form of WIL had a positive impact for undergraduates with work-based WIL having the greatest individual impact. These positive impacts were not as pronounced when looking at results for postgraduate coursework and research graduates. There does not appear to be any improvement because of WIL participation for postgraduate coursework graduates, and minimal improvement for postgraduate research graduates. Further analysis to control for study area or demographic differences between course levels may be warranted to further explore these differences.

Table 10 Influence of WIL and employability-related activities on full-time employment

	Undergraduate		Postgraduate coursework		Postgraduate research	
	%	Base	%	Base	%	Base
Any WIL						
Participated	81.3	16,634	88.3	8,064	85.6	444
Work-based WIL	83.5	13,668	88.8	6,033	87.5	305
WIL not based in the workplace	76.5	5,160	87.5	2,967	82.4	102
Global WIL experience	82.5	1,269	89.5	506	80.8	99
Did not participate	75.1	10,296	90.1	9,648	84.6	1,788
Any employability-related activity						
Participated	79.1	13,161	86.0	5,619	83.6	1,188
Volunteering	78.5	10,153	83.4	3,646	83.2	779
Position of responsibility in a club/society	82.0	5,105	89.3	1,823	85.6	571
Mentee in industry-based arrangement	85.5	1,962	92.1	1,108	86.3	182
Enterprise incubator or start-up activity	82.0	456	85.6	270	84.9	86
Co-curricular leadership or award program	85.1	1,384	89.4	461	84.3	102
Micro-credentialing or digital badge program	76.8	880	85.9	512	76.4	72
Other	79.6	986	87.1	567	80.2	167
Did not participate	78.4	12,997	90.8	11,613	85.5	1,037

6.2. Qualification preparedness

Table 11 shows the impact of WIL on qualification preparedness by course level. The table presents results for graduates employed full-time who said their course had prepared them well or very well for current full-time employment.

Graduates who had participated in any form of WIL generally reported higher levels of qualification preparedness than those who had not participated in WIL. Qualification preparedness was higher for graduates who had undertaken any form of WIL across all cohorts, although the impact was more pronounced for undergraduates (a difference of 16.4 percentage points for those who had undertaken any WIL compared to those who had not) than postgraduate coursework (difference of 13.2 percentage points) and postgraduate research (8.2 percentage point difference).

Like results for full-time employment outcomes, it is participation in work-based WIL that had the biggest effect for undergraduates (18.2 percentage point difference) and postgraduate coursework (14.6 percentage points). However, for postgraduate research the biggest effect was seen for global WIL experience (12.6 percentage point difference).

Table 11 Qualification preparedness for graduates employed full-time – All levels

	Undergraduate		Postgraduate coursework		Postgraduate research	
	%	Base	%	Base	%	Base
Any WIL						
Participated	81.1	13,502	84.2	7,116	89.4	379
Work-based WIL	82.9	11,396	85.6	5,356	88.4	267
WIL not based in the workplace	79.3	3,941	83.1	2,596	91.6	83
Global WIL experience	79.5	1,044	84.1	453	93.8	80
Did not participate	64.7	7,718	71.0	8,682	81.2	1,510
Any employability-related activity						
Participated	77.8	10,398	80.2	4,827	86.3	992
Volunteering	77.7	7,965	78.5	3,038	85.9	647
Position of responsibility in a club/society	77.8	4,179	81.8	1,628	88.5	488
Mentee in industry-based arrangement	79.4	1,677	84.7	1,017	86.6	157
Enterprise incubator or start-up activity	74.6	374	79.7	231	93.2	73
Co-curricular leadership or award program	79.4	1,178	86.2	412	91.9	86
Micro-credentialing or digital badge program	75.6	676	81.3	439	85.5	55
Other	76.2	785	75.1	494	85.1	134
Did not participate	72.2	10,180	75.3	10,530	79.1	884

6.3. Perceived over-qualification

Table 12 presents data for graduates employed full-time, who indicated that they are not utilising their skills and knowledge in their current job to help understand the impact of WIL on perceived over-qualification. All graduates were presented with the Scale of Perceived Overqualification (SPOQ), a set of eight statements relating to their skills, abilities and education, and asked to rate each on a five-point scale from strongly disagree to strongly agree. In cases where six or more valid responses were received, an average score was calculated and scores over three and a half deemed to be perceived over-qualification for current job.

As can be seen, undergraduates who had participated in any WIL were less likely to consider themselves over-qualified for their current job than those who had not participated in WIL (15.3 percentage point difference). A similar trend was seen for postgraduate coursework (difference of 9.7 percentage points) and postgraduate research (7.1 percentage points), albeit less pronounced. Results indicate that graduates who are employed full-time and have undertaken WIL are more likely to be in jobs that are fully utilising their skills and knowledge, suggesting more relevant work.

Table 12 Scale of perceived over-qualification for graduates employed full-time – All levels

	Undergraduate		Postgraduate coursework		Postgraduate research	
	%	Base	%	Base	%	Base
Any WIL						
Participated	22.8	13,490	23.3	7,101	20.8	380
Work-based WIL	19.8	11,386	20.9	5,344	18.4	267
WIL not based in the workplace	27.9	3,938	25.3	2,592	25.0	84
Global WIL experience	26.1	1,044	25.3	451	21.3	80
Did not participate	38.1	7,706	33.0	8,668	27.9	1,508
Any employability-related activity						
Participated	26.8	10,378	29.3	4,815	26.4	990
Volunteering	26.6	7,951	29.3	3,030	25.3	645
Position of responsibility in a club/society	26.2	4,166	27.8	1,622	25.1	487
Mentee in industry-based arrangement	23.5	1,669	26.6	1,016	25.5	157
Enterprise incubator or start-up activity	28.5	372	28.3	230	25.0	72
Co-curricular leadership or award program	24.0	1,170	28.4	409	19.8	86
Micro-credentialing or digital badge program	31.1	673	34.0	438	27.3	55
Other	24.6	784	29.9	492	23.9	134
Did not participate	30.2	10,176	28.5	10,520	26.5	886

6.4. Occupations

Table 13 shows the proportion of graduates employed full-time in managerial or professional occupations by WIL and employability-activities participation.

Undergraduates who participated in any WIL activity were more likely to be employed in managerial or professional positions than those who had not participated in any WIL (by 13.0 percentage points), this was strongly driven by increases in professional employment positions.

Differences between those who did and did not undertake any WIL among the postgraduate coursework and research cohorts were lower (3.6 and 2.8 percentage points respectively).

Table 13 Full-time graduate occupational outcomes – All levels

	Undergraduate		Postgraduate coursework		Postgraduate research	
	%	Base	%	Base	%	Base
Any WIL						
Participated	74.1	13,456	87.5	7,091	95.3	380
Work-based WIL	76.8	11,364	88.6	5,341	96.3	267
WIL not based in the workplace	69.4	3,927	86.9	2,588	94.0	84
Global WIL experience	71.9	1,036	86.1	452	96.3	80
Did not participate	61.1	7,677	83.9	8,663	92.5	1,508
Any employability-related activity						
Participated	71.1	10,347	85.5	4,809	92.2	993
Volunteering	70.4	7,919	84.3	3,029	93.2	648
Position of responsibility in a club/society	74.3	4,159	87.2	1,617	93.3	489
Mentee in industry-based arrangement	76.8	1,667	88.0	1,016	94.3	157
Enterprise incubator or start-up activity	79.0	372	85.7	230	97.3	73
Co-curricular leadership or award program	75.0	1,174	89.1	412	96.5	86
Micro-credentialing or digital badge program	70.7	672	86.4	440	96.4	55
Other	72.4	783	86.2	491	92.5	134
Did not participate	67.2	10,150	85.5	10,505	94.0	882

6.5. Further studies

Table 14 shows the proportion of graduates currently in further full-time study by WIL and employability-related activities participation.

As can be seen, undergraduates in further full-time study were less likely to have participated in any form of WIL (10.8 percentage point difference). A similar pattern of results was seen for the postgraduate coursework cohort. Postgraduate research results were a little different, with those in further full-time study more likely to have participated in any WIL activity, although the difference was small (0.2 percentage points).

Results may suggest that graduates who intend to do further study are less likely to prioritise WIL as they are interested in continuing their studies and may be less concerned with short term employment outcomes.

Table 14 Further full-time study outcomes – All levels

	Undergraduate		Postgraduate coursework		Postgraduate research	
	%	Base	%	Base	%	Base
Any WIL						
Participated	14.2	22,928	5.5	10,289	6.5	535
Work-based WIL	12.3	18,481	4.5	7,798	5.7	366
WIL not based in the workplace	17.3	7,425	6.9	3,681	9.1	132
Global WIL experience	14.8	1,704	8.4	583	4.5	110
Did not participate	25.0	16,594	8.6	12,092	6.3	2,269
Employability-related activity						
Participated	19.9	19,251	7.5	7,082	6.6	1,459
Volunteering	20.2	15,029	7.4	4,699	7.2	978
Position of responsibility in a club/society	20.0	7,214	7.4	2,255	5.8	686
Mentee in industry-based arrangement	18.8	2,662	5.6	1,288	3.9	207
Enterprise incubator or start-up activity	16.2	567	10.3	302	4.3	92
Co-curricular leadership or award program	24.3	1,999	7.4	527	5.2	116
Micro-credentialing or digital badge program	20.1	1,216	8.0	597	2.5	81
Other	19.2	1,491	5.4	724	7.3	219
Did not participate	17.8	19,176	7.0	14,718	6.1	1,337

List of abbreviations and terms

ACEN Australian Collaborative Education Network

GOS Graduate Outcomes Survey

NESB Non-English-Speaking Background

QILT Quality Indicators for Learning and Teaching

SPOQ Scale of Perceived Overqualification

WIL Work Integrated Learning

Appendix 1 ACEN questionnaire items

*(ACENFLAG=1, ACEN INSTITUTION)

ACEN1 Work integrated learning (WIL) is where you engage with your profession, industry or the community as part of your learning and assessment. Which of the following WIL activities, if any, did you complete as a core or elective part of your <E308A/E308B>. *Please select all that apply.*

*PROGRAMMER NOTE: IF CATI DISPLAY READ OUT

(MULTIPLE RESPONSE)

1. Workplace-based WIL (e.g. internship, work placement, practicum, service learning, industry-based project)
2. WIL not based in the workplace (e.g. classroom or virtual project, consultancy, simulation, service learning)
3. Global WIL experience (industry study tour, international internship, placement or service learning experience)
4. None of the above *(EXCLUSIVE)

*(ACENFLAG=1 AND ACEN1NE4, ACEN INSTUTION AND COMPLETED SOME ACTIVITY)

ACEN2 Thinking about these activities you completed, please indicate the extent to which you agree or disagree with each of the following statements. The activities helped improve...

*PROGRAMMER NOTE: DISPLAY AS GRID

(STATEMENTS) (ROTATE)

- a) My appeal in the labour market
- b) My contact network for improved job prospects
- c) My awareness of other organisations where I could work
- d) My professional capabilities for improved job prospects

(RESPONSE FRAME)

1. Strongly disagree
2. Disagree
3. Neither agree nor disagree
4. Agree
5. Strongly agree

*(ACENFLAG=1, ACEN INSTITUTION)

ACEN3 Which of the following not-for-academic credit activities, if any, did you undertake while you were studying your <E308A/E308B>. *Please select all that apply.*

*PROGRAMMER NOTE: IF CATI DISPLAY READ OUT

(MULTIPLE RESPONSE)

1. Volunteering
2. A position of responsibility in a club or society
3. Mentee in an industry-based mentoring arrangement
4. Enterprise incubator or start-up activity
5. Co-curricular leadership or award program
6. Micro-credentialing or digital badge program
7. Other (Please specify)
8. None of these *(EXCLUSIVE)

*(ACENFLAG=1, ACEN INSTITUTION)

ACEN4 Which of the following paid work activities, if any, did you undertake **while you were studying** your <E308A/E308B>. *Please select all that apply.*

*PROGRAMMER NOTE: IF CATI DISPLAY READ OUT

(MULTIPLE RESPONSE)

1. Full time paid work **relevant** to your intended career
2. Part time paid work **relevant** to your intended career
3. Full time paid work **not relevant** to your intended career
4. Part time paid work **not relevant** to your intended career
5. Other (Please specify)
6. None of these *(EXCLUSIVE)

*(ACENFLAG=1 AND ACEN1NE4, ACEN INSTUTION AND COMPLETED SOME ACTIVITY)

ACEN5 How did your WIL experience influence your employment outcomes?

*PROGRAMMER NOTE: IF CATI DISPLAY READ OUT

(MULTIPLE RESPONSE)

1. Secured employment with WIL industry / community partner
2. Secured employment because of experience gained during WIL
3. Secured employment through a network contact made during WIL experience
4. Other (Please specify)
5. None of these *(EXCLUSIVE)

Appendix 2 Analysis syntax

The syntax below has been provided to assist with institutional analysis of the work-integrated learning questionnaire items included in the GOS. This syntax has been developed by the Social Research Centre, is for use with SPSS and aligns with measures used in the GOS National Report.

* Encoding: UTF-8.

*IF USING NATIONAL DATASET ADDITIONAL FILTER ACENFLAG=1 IN ALL FILTERS

*** LOOKS MUCH BETTER IF YOU SET SPSS NOT TO OUTPUT SCRIPT AND DISPLAY NAMES OF LABELS AND VALUES SO THAT IT IS LESS CLUTTERED (IN EDIT OPTIONS - VIEWER SECTION)

*** WHEN EXPORTING TO EXCEL ONLY VISIBLE ELEMENTS

MISSING VALUES ACADEMICWIL (95,99,90).

MISSING VALUES EMPLOYABILITYACT (95,99,90).

DATASET ACTIVATE DataSet1.

USE ALL.

COMPUTE filter_\$=(ANALYSIS=1 AND YEAR=2022).

VARIABLE LABELS filter_\$ 'ANALYSIS=1 AND YEAR=2022 '(FILTER)'.
'

VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.

FORMATS filter_\$ (f1.0).

FILTER BY filter_\$.

EXECUTE.

ECHO 'Number of graduates who have done ANY WIL or ANY Employability activities'.

* Custom Tables.

CTABLES

```
/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL DISPLAY=DEFAULT  
/TABLE ACADEMICWIL [C][COUNT F40.0, COLPCT.COUNT PCT40.1] + EMPLOYABILITYACT  
[C][COUNT F40.0,  
COLPCT.COUNT PCT40.1] BY LEVEL [C]
```

```
/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL ORDER=A
KEY=VALUE EMPTY=INCLUDE TOTAL=YES
    POSITION=AFTER MISSING=EXCLUDE
/CRITERIA CILEVEL=95.
```

ECHO 'Number of graduates who have done WIL for academic credit (Figure 1)'.

* Custom Tables.

CTABLES

```
/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL DISPLAY=DEFAULT
/TABLE ACEN1_1 + ACEN1_2 + ACEN1_3 + ACEN1_4 BY LEVEL [C][COUNT F40.0,
COLPCT.COUNT PCT40.1]
/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=A KEY=VALUE
EMPTY=INCLUDE
    MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.
```

ECHO 'Number of graduates who have done Employability activities Table 1'.

* Custom Tables.

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7
ACEN3_8 LEVEL
    DISPLAY=DEFAULT
/TABLE ACEN3_1 + ACEN3_2 + ACEN3_3 + ACEN3_4 + ACEN3_5 + ACEN3_6 + ACEN3_7 +
ACEN3_8 BY LEVEL
    [C][COUNT F40.0, COLPCT.COUNT PCT40.1]
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6
ACEN3_7 ACEN3_8 ORDER=A
    KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.
```

ECHO 'Number of graduates who have done paid work activities Table 2'.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL
DISPLAY=DEFAULT
/TABLE ACEN4_1 + ACEN4_2 + ACEN4_3 + ACEN4_4 + ACEN4_5 + ACEN4_6 BY LEVEL
[C][COUNT F40.0, COLPCT.COUNT PCT40.1]
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6
ORDER=A
KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.
```

ECHO 'Number of graduates who have done WIL for academic credit BY demographics Table 3'.

```
RECODE E913 (31 thru Highest=2) (Lowest thru 30=1) INTO AGE_GROUP.
```

```
VARIABLE LABELS AGE_GROUP 'Age Group'.
```

```
EXECUTE.
```

```
VALUE LABELS AGE_GROUP 1 '30 or under' 2 'Over 30'.
```

```
EXECUTE.
```

```
RECODE E329 (1=1) (2=2) (3=1) (4=2) (5=SYSMIS) (9=SYSMIS) INTO E329_GROUP.
```

```
VARIABLE LABELS E329_GROUP 'Study Mode Group'.
```

```
EXECUTE.
```

```
VALUE LABELS E329_GROUP 1 'Internal/Multi' 2 'External'.
```

```
EXECUTE.
```

```
ALTER TYPE AGE_GROUP E329_GROUP (F8.0).
```

CTABLES

```
/VLABELS VARIABLES=ACADEMICWIL ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 E315
E329_GROUP first_SES_SA1 AGE_GROUP
```

```

DISPLAY=DEFAULT

/TABLE ACADEMICWIL [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] + ACEN1_1 [C][COUNT
F40.0,
COLPCT.VALIDN PCT40.1] + ACEN1_2 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN1_3 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN1_4 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] BY E315
[C] + E329_GROUP [C] +
first_SES_SA1 [C] + AGE_GROUP [C]

/CATEGORIES VARIABLES=ACADEMICWIL ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 E315
E329_GROUP first_SES_SA1 AGE_GROUP ORDER=A

KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE

/CRITERIA CILEVEL=95.

```

ECHO 'Number of graduates who have done WIL for academic credit BY demographics Table 4'.

CTABLES

```

/VLABELS VARIABLES=ACADEMICWIL ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 E940 E943
E942 E941

```

```

DISPLAY=DEFAULT

```

```

/TABLE ACADEMICWIL [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] + ACEN1_1 [C][COUNT
F40.0,

```

```

COLPCT.VALIDN PCT40.1] + ACEN1_2 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN1_3 [C][COUNT F40.0,

```

```

COLPCT.VALIDN PCT40.1] + ACEN1_4 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] BY E940
[C] + E943 [C] +

```

```

E942 [C] + E941 [C]

```

```

/CATEGORIES VARIABLES=ACADEMICWIL ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 E940 E943
E942 E941 ORDER=A

```

```

KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE

```

```

/CRITERIA CILEVEL=95.

```

ECHO 'Number of graduates who have done Employability related activities BY demographics Table 5'.

CTABLES

```

/VLABELS VARIABLES=EMPLOYABILITYACT ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5
ACEN3_6 ACEN3_7 ACEN3_8 E315 E329_GROUP first_SES_SA1 AGE_GROUP

```

```

DISPLAY=DEFAULT

/TABLE EMPLOYABILITYACT [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] + ACEN3_1
[C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_2 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_3 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_4 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_5 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_6 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_7 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_8 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] BY E315
[C] + E329_GROUP [C] +
first_SES_SA1 [C] + AGE_GROUP

/CATEGORIES VARIABLES=EMPLOYABILITYACT ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4
ACEN3_5 ACEN3_6 ACEN3_7 ACEN3_8 E315 E329_GROUP first_SES_SA1 AGE_GROUP
ORDER=A

KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE

/CRITERIA CILEVEL=95.

```

ECHO 'Number of graduates who have done Employability related activities BY demographics Table 6'.

CTABLES

```

/VLABELS VARIABLES=EMPLOYABILITYACT ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5
ACEN3_6 ACEN3_7 ACEN3_8 E940 E943 E942 E941

DISPLAY=DEFAULT

/TABLE EMPLOYABILITYACT [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] + ACEN3_1
[C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_2 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_3 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_4 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_5 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_6 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] +
ACEN3_7 [C][COUNT F40.0,
COLPCT.VALIDN PCT40.1] + ACEN3_8 [C][COUNT F40.0, COLPCT.VALIDN PCT40.1] BY E940
[C] + E943 [C] +
E942 [C] + E941 [C]

/CATEGORIES VARIABLES=EMPLOYABILITYACT ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4
ACEN3_5 ACEN3_6 ACEN3_7 ACEN3_8 E940 E943 E942 E941 ORDER=A

KEY=VALUE EMPTY=INCLUDE MISSING=EXCLUDE

/CRITERIA CILEVEL=95.

```

ECHO 'Study area participation Table 7'.

*For sample counts

```
FREQUENCIES VARIABLES=AREA  
/ORDER=ANALYSIS.
```

*For provided valid response counts

```
COMPUTE VALIDRESPONSE=0.  
COUNT ACEN1VALID=ACEN1_1, ACEN1_2, ACEN1_3, ACEN1_4 (0,1).  
COUNT ACEN3VALID=ACEN3_1, ACEN3_2, ACEN3_3, ACEN3_4, ACEN3_5, ACEN3_6,  
ACEN3_7, ACEN3_8 (0,1).  
IF (ACEN1VALID=4 OR ACEN3VALID=8) VALIDRESPONSE=1.  
EXECUTE.
```

ECHO 'Number of graduates who have done WIL for academic credit BY STUDY AREA Table 8'.

* Custom Tables.

```
CTABLES  
/VLABELS VARIABLES=AREA ACADEMICWIL LEVEL DISPLAY=DEFAULT  
/TABLE AREA > ACADEMICWIL BY LEVEL [C][COUNT F40.0, COLPCT.COUNT PCT40.1]  
/CATEGORIES VARIABLES=AREA ACADEMICWIL ORDER=A KEY=VALUE EMPTY=INCLUDE  
MISSING=EXCLUDE  
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER  
/CRITERIA CILEVEL=95.
```

ECHO 'Number of graduates who have done Employability activities BY STUDY AREA Table 8'.

```
CTABLES  
/VLABELS VARIABLES=AREA EMPLOYABILITYACT LEVEL DISPLAY=DEFAULT  
/TABLE AREA > EMPLOYABILITYACT BY LEVEL [C][COUNT F40.0, COLPCT.COUNT PCT40.1]  
/CATEGORIES VARIABLES=AREA EMPLOYABILITYACT ORDER=A KEY=VALUE  
EMPTY=INCLUDE MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER  
  
/CRITERIA CILEVEL=95.
```

ECHO 'Agreement with statements relating to WIL employability outcomes (Figure 2)'.

* Custom Tables.

CTABLES

```
/VLABELS VARIABLES=ACEN2_A ACEN2_B ACEN2_C ACEN2_D LEVEL DISPLAY=DEFAULT  
  
/TABLE ACEN2_A + ACEN2_B + ACEN2_C + ACEN2_D BY LEVEL [C][COUNT F40.0,  
COLPCT.COUNT PCT40.1]  
  
/CATEGORIES VARIABLES=ACEN2_A ACEN2_B ACEN2_C ACEN2_D ORDER=A KEY=VALUE  
EMPTY=INCLUDE  
  
MISSING=EXCLUDE  
  
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER  
  
/CRITERIA CILEVEL=95.
```

ECHO 'Average agreement ratings for employability outcomes by course level Table 9'.

```
MEANS TABLES=ACEN2_A ACEN2_B ACEN2_C ACEN2_D BY LEVEL
```

```
/CELLS=MEAN STDDEV.
```

```
EXECUTE.
```

```
ECHO ' '.
```

```
ECHO 'THE SYNTAX BELOW FILTERS THE FILE FOR ANALYSIS ON STUDY AREA. THESE  
TABLES REPRODUCE DATA IN TABLES 7 AND 8 OF THE REPORT'.
```

```
ECHO ' '.
```

```
DATASET ACTIVATE DataSet1.
```

```
USE ALL.
```

```
COMPUTE filter_$=((ANALYSIS=1 or ANALYSIS =2) AND YEAR=2022).
```

```
VARIABLE LABELS filter_$ 'ANALYSIS=1 OR ANALYSIS=2 AND YEAR=2022 '(FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
```

```
FORMATS filter_$ (f1.0).
```

```
FILTER BY filter_$.
```

```
EXECUTE.
```


ECHO 'Influence of WIL on employment outcomes (student supplied) (Figure 3)'.
'

CTABLES

```
/VLABELS VARIABLES=ACEN5_1 ACEN5_2 ACEN5_3 ACEN5_4 ACEN5_5 LEVEL  
DISPLAY=DEFAULT
```

```
/TABLE ACEN5_1 + ACEN5_2 + ACEN5_3 + ACEN5_4 + ACEN5_5 BY LEVEL [C][COUNT F40.0,  
COLPCT.COUNT PCT40.1]
```

```
/CATEGORIES VARIABLES=ACEN5_1 ACEN5_2 ACEN5_3 ACEN5_4 ACEN5_5 ORDER=A  
KEY=VALUE EMPTY=INCLUDE
```

```
MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO ' PART 2 '.

ECHO ' '.

ECHO ' THESE TABLES REPRODUCE DATA IN TABLE 10 IN REPORT. Some of these data are not included in the report but this syntax can be used at an institutional level'.

ECHO ' '.

ECHO 'WIL participation and Employability activities by labour force outcomes (DOMESTIC ONLY)'.

*WIL participation by labour force outcomes

*Full time employment rates by level of study BY ACADEMICWIL AND EMPLOYABILITYACT

```
DATASET ACTIVATE DataSet1.
```

```
USE ALL.
```

```
COMPUTE filter_$=(ANALYSIS=1 AND E942=0 AND YEAR=2022 AND AVAILFT=1).
```

```
VARIABLE LABELS filter_$ 'ANALYSIS=1 AND E942=0 AND YEAR=2022 AND AVAILFT=1  
'(FILTER)'.  
'
```

```
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
```

```
FORMATS filter_$ (f1.0).
```

```
FILTER BY filter_$.
```

```
EXECUTE.
```

ECHO ' '.

ECHO 'Full time employment rate by level by those who have done any WIL for academic credit and Employability activities'.

* Custom Tables.

CTABLES

/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL FULLEMP
DISPLAY=DEFAULT

/TABLE ACADEMICWIL [C][COUNT F40.0,
ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT
PCT40.1] BY LEVEL [C] >

FULLEMP [C]

/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL
EMPTY=INCLUDE

MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=FULLEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.

ECHO 'Full time employment rate by level by those who have done WIL for academic credit'.

* Custom Tables.

CTABLES

/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL FULLEMP
DISPLAY=DEFAULT

/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]

+ ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY

LEVEL > FULLEMP

/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL
EMPTY=INCLUDE TOTAL=YES

POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

```
/CATEGORIES VARIABLES=FULLEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Full time employment rate by level by those who have done Employability activities'.

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7  
ACEN3_8 LEVEL FULLEMP DISPLAY=DEFAULT
```

```
/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6  
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] BY LEVEL > FULLEMP
```

```
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6  
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=FULLEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Full time employment rate by level by those who have undertaken work during their study
(Additional analysis table, not in report)'.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL  
FULLEMP DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > FULLEMP
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6  
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```


CTABLES

```
/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL GENEMP
DISPLAY=DEFAULT

/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
+ ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY
LEVEL > GENEMP

/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL
EMPTY=INCLUDE TOTAL=YES

POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=GENEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.
```

ECHO 'Overall employment rate by level by those who have done Employability activities'. (Additional analysis table, not in report)

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7
ACEN3_8 LEVEL GENEMP DISPLAY=DEFAULT

/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY LEVEL > GENEMP

/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES

POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=GENEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.
```

ECHO 'Overall employment rate by level by those who have undertaken work during their study (Additional analysis table, not in report)'. (Additional analysis table, not in report)

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL  
GENEMP DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > GENEMP
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6  
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=GENEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES  
POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

*Labour force participation rates by level of study BY OVERALLWIL, ACADEMICWIL AND EMPLOYABILITYACT. (Additional analysis table, not in report)

USE ALL.

```
COMPUTE filter_$=(ANALYSIS=1 AND E942=0 AND YEAR=2022 ).
```

```
VARIABLE LABELS filter_$ 'ANALYSIS=1 AND E942=0 AND YEAR=2022
```

```
'(FILTER)'.  
'(FILTER)'.
```

```
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
```

```
FORMATS filter_$ (f1.0).
```

```
FILTER BY filter_$.
```

```
EXECUTE.
```

ECHO 'Labour force participation rate by level by those who have done WIL for academic credit and Employability activities'. (Additional analysis table, not in report)

CTABLES

```
/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL AVAILEMP  
DISPLAY=DEFAULT
```

```

/TABLE ACADEMICWIL [C][COUNT F40.0,
  ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT
PCT40.1] BY LEVEL [C] >
  AVAILEMP [C]
/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL
EMPTY=INCLUDE
  MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
/CATEGORIES VARIABLES=AVAILEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.

```

ECHO 'Labour force participation rate by level by those who have done WIL for academic credit'.
(Additional analysis table, not in report)

CTABLES

```

/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL AVAILEMP
DISPLAY=DEFAULT
/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
  + ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY
  LEVEL > AVAILEMP
/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL
EMPTY=INCLUDE TOTAL=YES
  POSITION=AFTER MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
/CATEGORIES VARIABLES=AVAILEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.

```

ECHO 'Labour force participation rate by level by those who have done Employability activities'.
(Additional analysis table, not in report)

CTABLES

```

/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7
ACEN3_8 LEVEL AVAILEMP DISPLAY=DEFAULT

```

```

/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY LEVEL > AVAILEMP

/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES

POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=AVAILEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.

```

ECHO 'Labour force participation rate by level by those who have undertaken work during their study (Additional analysis table, not in report)'. (Additional analysis table, not in report)

CTABLES

```

/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL
AVAILEMP DISPLAY=DEFAULT

/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > AVAILEMP

/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES

POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=AVAILEMP ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.

```

*Preparedness of the qualification BY OVERALLWIL, ACADEMICWIL AND EMPLOYABILITYACT

ECHO 'PART 3'.

ECHO ''.

ECHO 'PREPAREDNESS '.

*WIL participation by labour force outcomes

*Full time employment rates by level of study BY ACADEMICWIL AND EMPLOYABILITYACT

ECHO ' '.

ECHO ' Table 11 of Report '.

ECHO ' '.

*Create new variable

RECODE CRSPREP (1=1) (2=1) (3=2) (4=2) (5=1) (SYSMIS=SYSMIS) INTO CRSPREP_2.

VARIABLE LABELS CRSPREP_2 'Qualification preparedness'.

EXECUTE.

ALTER TYPE CRSPREP_2 (F8).

VALUE LABELS CRSPREP_2 1 'Not well prepared' 2 'Very well or well prepared'.

EXECUTE.

MISSING VALUES CRSPREP_2 (95,99).

*Filter to full time employed

USE ALL.

COMPUTE filter_\$=(ANALYSIS=1 AND E942=0 AND YEAR=2022 AND FULLEMP=1).

VARIABLE LABELS filter_\$ 'ANALYSIS=1 AND E942=0 AND YEAR=2022 AND FULLEMP=1
'(FILTER)'.
'(FILTER)'.
'(FILTER)'.

VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.

FORMATS filter_\$ (f1.0).

FILTER BY filter_\$.

EXECUTE.

ECHO 'Preparedness by level by those who have done WIL for academic credit and Employability activities'.

CTABLES

```
/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL CRSPREP_2
DISPLAY=DEFAULT

/TABLE ACADEMICWIL [C][COUNT F40.0,
      ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT
PCT40.1] BY LEVEL [C] >
      CRSPREP_2 [C]

/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL
EMPTY=INCLUDE

      MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=CRSPREP_2 ORDER=A KEY=VALUE EMPTY=INCLUDE
TOTAL=YES POSITION=AFTER

/CRITERIA CILEVEL=95.
```

ECHO 'Preparedness by level by those who have done WIL for academic credit'.

CTABLES

```
/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL CRSPREP_2
DISPLAY=DEFAULT

/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
      + ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY
      LEVEL > CRSPREP_2

/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL
EMPTY=INCLUDE TOTAL=YES

      POSITION=AFTER MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=CRSPREP_2 ORDER=A KEY=VALUE EMPTY=INCLUDE
TOTAL=YES POSITION=AFTER

/CRITERIA CILEVEL=95.
```

ECHO 'Preparedness by level by those who have done Employability activities'.

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7  
ACEN3_8 LEVEL CRSPREP_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6  
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] BY LEVEL > CRSPREP_2
```

```
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6  
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=CRSPREP_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Preparedness by level by those who have undertaken work during their study (Additional analysis table, not in report)'.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL  
CRSPREP_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > CRSPREP_2
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6  
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=CRSPREP_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

*Table Scale of perceived overqualification

ECHO 'PART4 SPOQ'.

ECHO ' '.

ECHO 'Table 12 of Report'.

ECHO ' '.

ECHO 'Scale of perceived overqualification by level by those who have done any WIL for academic credit and Employability activities'.

CTABLES

/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL SPOQSCL
DISPLAY=DEFAULT

/TABLE ACADEMICWIL [C][COUNT F40.0,
ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT
PCT40.1] BY LEVEL [C] >

SPOQSCL [C]

/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL
EMPTY=INCLUDE

MISSING=EXCLUDE

/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE

/CATEGORIES VARIABLES=SPOQSCL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER

/CRITERIA CILEVEL=95.

ECHO 'SPOQ by level by those who have done WIL for academic credit'.

CTABLES

/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL SPOQSCL
DISPLAY=DEFAULT

/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]

+ ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY

LEVEL > SPOQSCL

/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL
EMPTY=INCLUDE TOTAL=YES

```
POSITION=AFTER MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
/CATEGORIES VARIABLES=SPOQSCL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.
```

ECHO 'SPOQ by level by those who have done Employability activities'.

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7
ACEN3_8 LEVEL SPOQSCL DISPLAY=DEFAULT
```

```
/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY LEVEL > SPOQSCL
```

```
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=SPOQSCL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'SPOQ by level by those who have undertaken work during their study (Additional analysis table, not in report)'.

* Custom Tables.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL
SPOQSCL DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > SPOQSCL
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER MISSING=EXCLUDE
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
/CATEGORIES VARIABLES=SPOQSCL ORDER=A KEY=VALUE EMPTY=INCLUDE TOTAL=YES
POSITION=AFTER
/CRITERIA CILEVEL=95.
```

*Create variable for occupations summary

```
RECODE BROADOCC (1=1) (2=1) (3=2) (4=2) (5=2) (6=2) (9=9) (SYSMIS=SYSMIS) INTO
BROADOCC_2.
VARIABLE LABELS BROADOCC_2 'Broad occupation description derived from top-level ANZSCO'.
EXECUTE.
```

```
ALTER TYPE BROADOCC_2 (F8).
```

```
VALUE LABELS BROADOCC_2 1 'Managerial or professional occupations' 2 'Other occupations'.
EXECUTE.
```

```
MISSING VALUES BROADOCC_2 (9).
```

*Table Occupations Full time employed

```
ECHO 'PART 4 OCCUPATIONS'.
```

```
ECHO ''.
```

```
ECHO ' Table 13'.
```

```
ECHO ''.
```

```
ECHO 'Managerial or professional occupations by level by those who have done WIL for academic
credit and Employability activities (Additional analysis table, not in report)'.
```

```
CTABLES
```

```
/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL BROADOCC_2
DISPLAY=DEFAULT
```

```
/TABLE ACADEMICWIL [C][COUNT F40.0,
```

```
ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT  
PCT40.1] BY LEVEL [C] >
```

```
BROADOCC_2 [C]
```

```
/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL  
EMPTY=INCLUDE
```

```
MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=BROADOCC_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Managerial or professional occupations by level by those who have done WIL for academic credit'.

CTABLES

```
/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL BROADOCC_2  
DISPLAY=DEFAULT
```

```
/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] BY
```

```
LEVEL > BROADOCC_2
```

```
/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL  
EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=BROADOCC_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Managerial or professional occupations by level by those who have done Employability activities'.

CTABLES

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7  
ACEN3_8 LEVEL BROADOCC_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] BY LEVEL > BROADOCC_2
```

```
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=BROADOCC_2 ORDER=A KEY=VALUE EMPTY=INCLUDE
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Managerial or professional occupations by level by those who have undertaken work during their study'.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL
BROADOCC_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > BROADOCC_2
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=BROADOCC_2 ORDER=A KEY=VALUE EMPTY=INCLUDE
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

*Set filter for full time study

USE ALL.

```
COMPUTE filter_$=(ANALYSIS=1 AND E942=0 AND YEAR=2022 ).
```

```
VARIABLE LABELS filter_$ 'ANALYSIS=1 AND E942=0 AND YEAR=2022
```

```
'(FILTER)'.
```


VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.

FORMATS filter_\$ (f1.0).

FILTER BY filter_\$.

EXECUTE.

* Recode further study into summary variable

RECODE FURSTUD (1=1) (2=2) (5=2) (99=99) (SYSMIS=SYSMIS) INTO FURSTUD_2.

VARIABLE LABELS FURSTUD_2 'Graduates in further full time study'.

EXECUTE.

ALTER TYPE FURSTUD_2 (F8).

VALUE LABELS FURSTUD_2 1 'In full-time study' 2 'Not in full time study'.

EXECUTE.

MISSING VALUES FURSTUD_2 (99).

ECHO 'PART 5 FURTHER STUDY'.

ECHO ' '.

ECHO ' Table 14'.

ECHO ' '.

*Table Further full time study

ECHO 'Full time study rate by level by those who have done WIL for academic credit and
Employability activities'.

CTABLES

/VLABELS VARIABLES=ACADEMICWIL EMPLOYABILITYACT LEVEL FURSTUD_2
DISPLAY=DEFAULT

/TABLE ACADEMICWIL [C][COUNT F40.0,
 ROWPCT.COUNT PCT40.1] + EMPLOYABILITYACT [C][COUNT F40.0, ROWPCT.COUNT
 PCT40.1] BY LEVEL [C] >
 FURSTUD_2 [C]

```
/CATEGORIES VARIABLES=ACADEMICWIL EMPLOYABILITYACT ORDER=D KEY=LABEL  
EMPTY=INCLUDE
```

```
MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=FURSTUD_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

```
ECHO 'Full time study rate by level by those who have done WIL for academic credit'.
```

```
CTABLES
```

```
/VLABELS VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 LEVEL FURSTUD_2  
DISPLAY=DEFAULT
```

```
/TABLE ACEN1_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN1_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN1_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] BY
```

```
LEVEL > FURSTUD_2
```

```
/CATEGORIES VARIABLES=ACEN1_1 ACEN1_2 ACEN1_3 ACEN1_4 ORDER=D KEY=LABEL  
EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=FURSTUD_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

```
ECHO 'Full time study rate by level by those who have done Employability activities'.
```

```
CTABLES
```

```
/VLABELS VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6 ACEN3_7  
ACEN3_8 LEVEL FURSTUD_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN3_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN3_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_6  
[COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN3_7 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN3_8 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] BY LEVEL > FURSTUD_2
```

```
/CATEGORIES VARIABLES=ACEN3_1 ACEN3_2 ACEN3_3 ACEN3_4 ACEN3_5 ACEN3_6  
ACEN3_7 ACEN3_8 ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=FURSTUD_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

ECHO 'Full time study rate by level by those who have undertaken work during their study'.

CTABLES

```
/VLABELS VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6 LEVEL  
FURSTUD_2 DISPLAY=DEFAULT
```

```
/TABLE ACEN4_1 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_2 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_3 [COUNT F40.0, ROWPCT.COUNT PCT40.1] + ACEN4_4 [COUNT F40.0,  
ROWPCT.COUNT PCT40.1] + ACEN4_5 [COUNT F40.0, ROWPCT.COUNT PCT40.1]
```

```
+ ACEN4_6 [COUNT F40.0, ROWPCT.COUNT PCT40.1] BY LEVEL > FURSTUD_2
```

```
/CATEGORIES VARIABLES=ACEN4_1 ACEN4_2 ACEN4_3 ACEN4_4 ACEN4_5 ACEN4_6  
ORDER=D KEY=LABEL EMPTY=INCLUDE TOTAL=YES
```

```
POSITION=AFTER MISSING=EXCLUDE
```

```
/CATEGORIES VARIABLES=LEVEL ORDER=A KEY=VALUE EMPTY=INCLUDE
```

```
/CATEGORIES VARIABLES=FURSTUD_2 ORDER=A KEY=VALUE EMPTY=INCLUDE  
TOTAL=YES POSITION=AFTER
```

```
/CRITERIA CILEVEL=95.
```

FILTER OFF.

USE ALL.

EXECUTE.