

ATAR 2022

Preliminary Report on the Scaling of the 2022 NSW Higher School Certificate



This preliminary report has been prepared to provide some information on the calculation of the Australian Tertiary Admission Rank (ATAR) in 2022 – a more detailed report will be released in May 2023. Please see the booklet *ATAR Essentials* (available on the UAC website) for more background on the ATAR.

There were no changes to the scaling procedures in 2022 for the various NSW HSC courses. The aggregate was calculated over the best 10 eligible units, in the same way as in recent years.

1. Overview

In 2022 a total of 54,308 students received an ATAR, 533 fewer than in 2021. The gender balance was similar to 2021, with 47% of the ATAR-eligible students being male and 53% female.

17.7% of the students received an ATAR of 90.00 or above, 35.2% received an ATAR of at least 80.00, 52.1% at least 70.00, and 67.8% at least 60.00. The median ATAR was 71.25, slightly higher than in 2021. The median ATAR for females was 72.45 whereas the median ATAR for males was 69.85.

Of the 48 students who received the top ATAR of 99.95, there were 19 females and 29 males coming from a mix of government and non-government schools and studying a wide range of courses. The list of courses studied by candidates awarded an ATAR of 99.95 contained 36 different courses out of the 115 courses offered.

When reading the tables attached it must be remembered that the NSW Education Standards Authority (NESA) HSC mark in a course indicates a standard reached in that course whereas a scaled mark indicates a student's position in the course if all 69,518 HSC students had completed that course. This means that students with the same scaled mark in two courses would have been placed at the same position in those courses if all 69,518 students had taken both courses. Because HSC marks and scaled marks serve these two different purposes, comparing HSC and scaled marks can lead to misinterpretations that may affect student choices of courses to study.

Because of the different procedures used to calculate NESA HSC marks and the scaled marks, scaled marks are generally lower than NESA HSC marks, except near the top. Few students receive HSC marks less than 25 (on a one-unit basis) and the average HSC mark lies between 35 and 40 for most courses. In contrast, the average scaled mark for the total HSC candidature is close to 25, and relatively few courses have scaled means greater than 35.

2. Course candidatures – Table A1

Table A1 provides, for each course, the size of the candidature, the number of candidates who were awarded an HSC in 2022, the number of candidates who were awarded an ATAR in 2022, the percentage of female candidates and the maximum ATAR gained by a student enrolled in that course. In the majority of courses some students gained an ATAR in excess of 95.00.

3. Distributions of 2022 HSC marks by course – Table A2

Table A2 provides information on the distributions of NESA HSC marks in 2022. Three VET Framework courses – Automotive Exam, Information and Digital Technology Exam, and Hospitality Exam – have examination arrangements in which each course is separated into two or more streams. While the streams have different course numbers, in each case the raw marks for the

various streams in the framework are on a common scale, and so each framework is treated as a single course for scaling purposes, and they are reported on a consolidated basis in these tables.

4. Distributions of scaled marks – Table A3

In general, for the larger courses, the patterns of scaled marks from the HSC 2022 were similar to those from the HSC 2021. Table A3 contains a summary of the distributions of scaled marks in each course, providing information on the number of students; the mean, standard deviation and maximum mark; and the 99th, 90th, 75th, 50th and 25th percentiles of both NESA HSC marks and the scaled marks. Percentiles are not provided for courses with candidatures less than 40.

Marks are shown on a one-unit basis, so the range is 0 to 50. The percentiles in a course are based on all students completing that course irrespective of whether they were eligible for an ATAR or not.

Table A3 should not be used as a simple HSC to scaled mark conversion table.

NESA reports HSC marks rounded to the nearest integer whereas the scaled marks are calculated using the raw HSC marks based on the HSC examinations and moderated school assessments. The raw HSC marks are calculated to one decimal place. NESA aligns the raw marks to bands that best describe the standards that the students achieve. This can compress a range of raw marks to a smaller number of HSC marks. For example, all Band E4 performances in English Extension 1 are allocated one of the six integer grades 45.0 to 50.0. Thus, after aligning and rounding, for each HSC mark there can be a range of corresponding raw marks and hence a range of scaled marks. In general, there is no unique scaled mark for an HSC mark.

Table A3 gives the HSC mark at the specified percentile. Not all students with that HSC mark will be at that percentile when the raw marks are considered. For example, in Chinese in Context the maximum HSC mark and the 99th percentile of the HSC distribution are both 49, whereas the maximum scaled mark is 50 and the scaled mark at the 99th percentile is 46.9.

This issue has been discussed in full on pages 15 and 16 of the *Report on the Scaling of the 2021 NSW HSC*.

5. Variation in patterns of HSC and scaled marks – Tables A4, A5

A concern that is frequently raised is that the observed variation in the patterns of HSC marks across different courses (Table A2) affects scaling and the ranking calculation. Since it is the raw HSC marks that are scaled, not the HSC marks by which NESA reports student achievement, this observed variation does not affect the ranking calculation. A full discussion of this can be found in Section 3 of the *Report on the Scaling of the 2021 NSW HSC*.

It is to be expected that the patterns of HSC marks will change from year to year, reflecting differences in student achievement against the published standards in individual courses. In contrast, one would expect to see differences in the patterns of scaled marks of large candidature courses only if the overall academic quality of a course candidature changed, usually as a result of a substantial change in the size of the candidature. Table A4 shows the variation in the distributions of HSC marks from 2021 to 2022, for each course, while Table A5 provides the same information for scaled marks. The data show that while some distributions of HSC marks change from 2021 to 2022 the distributions of scaled marks are generally stable. Most exceptions are small courses where the candidature can change noticeably from year to year.

6. Courses that contribute to the ATAR – Table A6

The ATAR information provided to students shows which units contributed to their ATAR. Some students are puzzled as to why one course is included and not another. The scaled mark a student receives for a course depends both on the scaled mean of the course and the student's position.

A frequently asked question is whether there are systematic differences between groups of courses. The concern is that some courses contribute towards the ATAR less than other courses. For each course, Table A6 provides information on the percentage of students who counted all units of that course towards their ATAR. The data indicate that while there is some variability in the percentage of students who count the course towards their ATARs, there appears to be no evidence of systematic differences between different groups of courses. Table A6 also includes, for each course, the maximum ATAR for a candidate including all units of that course in their aggregate.

7. ATAR distribution – Tables A7 and A8

The data given in Table A7 show the number of students awarded a particular ATAR in 2022 for ATARs of 99.00 or more, and the frequencies associated with different ATAR ranges from 99.00 to 30.00.

Table A8 gives the ATAR corresponding to selected percentiles of the ATAR cohort for 2018 to 2022.

8. The ATAR and the aggregate – Table A9

Table A9 shows the lowest aggregate of scaled marks out of 500 corresponding to each of the selected ATARs for 2018 to 2022.

9. General comparisons

Note that ATARs are, in general, lower than the average of the HSC marks reported to students. This is a consequence of the different ways student achievement is reported.

NESA reports against standards, with students being placed in bands that indicate the standards they have reached in their individual courses. An HSC mark indicates where a student is situated in a performance band and, as there are few students in Performance Band 1, most HSC marks lie between 50 and 100. In contrast, a student's ATAR indicates their overall position in relation to the entire NSW Year 12-aged population.

As mentioned earlier, the median ATAR in 2022 was 71.25. A middle student will generally have HSC marks that lie between 70 and 80. Because of the large percentage of students placed in Performance Band 4, the ATARs of students with HSC marks around 80 will often be very different from the ATARs of students with HSC marks around 70. This is discussed in the *ATAR Essentials* booklet.

10. Concluding note

The number of students in each ATAR band is determined by the participation rate (the percentage of the age cohort that is eligible for an ATAR) to ensure that ATARs issued in each Australian and New Zealand jurisdiction represent the same level of demonstrated academic ability. The increase in the median ATAR mentioned in the Overview and the corresponding shifts recorded in Tables A8 and A9 are consequences of the decrease in the participation rate over the period from 2018 to 2022. The NSW participation rate had declined from 59.8 in 2018 to 57.3 in 2021, with a substantial further decline to 55.7 in 2022. Care should be taken in attaching any significance to these

changes, as the size of the age cohort used in the calculation of the participation rate has been determined from the 2018 ABS population projections which did not anticipate the significant population effects resulting from the pandemic.

Assoc Prof Rod Yager
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Appendix

Comment

The following courses are not included in the tables as they have less than 10 students:

- Classical Greek Extension
- Classical Hebrew Extension
- Croatian Continuers
- Dutch Continuers
- Indonesian and Literature

Some other courses do not appear in a particular table if they have less than the minimum number of candidates required for that table.

Table descriptions

Table A1	Course enrolments, gender, ATAR eligibility and maximum ATAR by course Excludes courses with less than 10 students.
Table A2	Distributions of 2022 HSC marks by course Excludes courses with less than 10 students.
Table A3	Descriptive statistics and selected percentiles for HSC marks and scaled marks by course Excludes courses with less than 10 students completing the course in the current year, or if the students completing the course in the current year are undertaking less than 25 other ATAR courses in the same year. No percentile data are given for courses with less than 40 students.
Table A4	Distributions of HSC marks by course: 2021 and 2022 Excludes courses with less than 40 students in either year.
Table A5	Distributions of scaled marks by course: 2021 and 2022 Excludes courses with less than 40 students in either year.
Table A6	Courses that contribute to the ATAR (more than 10 units) Excludes courses with less than 10 ATAR students.
Table A7	ATAR distribution
Table A8	ATAR percentiles: 2018 to 2022
Table A9	Relationship between the ATAR and aggregates: 2018 to 2022

Table A1 Course enrolments, gender, ATAR eligibility and maximum ATAR by course

- Notes: (i) The **Number all** column includes students who have completed the course in 2022 or in a previous year (and who have done at least one ATAR course in 2022).
- (ii) The **Number HSC** column shows the number of students who completed the course in 2022 or in a previous year and received an HSC award in 2022.
- (iii) The **Number ATAR** column shows the number of students who completed the course in 2022 or in a previous year and who were eligible for an ATAR in 2022.
- (iv) The **% Female** column shows the percentage of students in the course who were Female.
- (v) The **% HSC** column shows the percentage of students in the course who received an HSC award in 2022.
- (vi) The **% ATAR eligible** column shows the percentage of students in the course who were eligible for an ATAR in 2022.
- (vii) The **Maximum ATAR** column shows the maximum ATAR achieved by a student doing the course.
- (viii) The table excludes courses with less than 10 students.

Course	Number all	Number HSC	Number ATAR	% Female	% HSC	% ATAR eligible	Maximum ATAR
Aboriginal Studies	827	709	486	75.7	85.7	58.8	99.10
Agriculture	1,510	1,402	1,099	49.0	92.8	72.8	99.95
Ancient History	6,458	6,192	5,685	55.4	95.9	88.0	99.95
Biology	19,253	18,657	18,114	64.4	96.9	94.1	99.95
Business Studies	18,376	17,747	16,604	46.0	96.6	90.4	99.90
Chemistry	10,128	9,919	9,893	48.0	97.9	97.7	99.95
Community & Family Studies	9,065	8,714	7,367	90.1	96.1	81.3	99.10
Dance	886	832	784	95.9	93.9	88.5	99.85
Design & Technology	3,734	3,495	3,180	43.9	93.6	85.2	99.80
Drama	3,303	3,139	2,851	67.2	95.0	86.3	99.90
Earth & Environmental Science	2,239	2,107	1,929	45.4	94.1	86.2	99.65
Economics	5,426	5,369	5,341	33.9	98.9	98.4	99.95
Engineering Studies	2,413	2,351	2,285	11.3	97.4	94.7	99.85
English Studies Exam	1,314	1,112	559	42.1	84.6	42.5	87.60
English Standard	31,043	30,089	27,890	50.0	96.9	89.8	99.95
English Advanced	24,840	24,634	24,521	59.5	99.2	98.7	99.95
English EAL/D	1,510	1,354	1,338	52.9	89.7	88.6	99.95
English Extension 1	3,435	3,416	3,410	71.8	99.4	99.3	99.95
English Extension 2	1,243	1,233	1,228	75.6	99.2	98.8	99.95
Food Technology	3,705	3,505	2,925	70.7	94.6	78.9	99.65
Geography	4,161	4,075	3,823	46.4	97.9	91.9	99.90
Industrial Technology	5,815	5,523	4,050	16.9	95.0	69.6	99.30
Information Processes & Technology	1,975	1,821	1,715	20.6	92.2	86.8	99.95
Investigating Science	2,849	2,571	2,283	42.3	90.2	80.1	99.60
Legal Studies	10,390	10,088	9,694	64.3	97.1	93.3	99.95
Mathematics Standard 1 Exam	1,442	1,337	866	52.4	92.7	60.1	88.35
Mathematics Standard 2	30,266	29,456	27,589	52.6	97.3	91.2	99.80
Mathematics Advanced	17,673	15,844	15,827	47.9	89.7	89.6	99.95
Mathematics Extension 1	9,087	8,525	8,534	40.5	93.8	93.9	99.95
Mathematics Extension 2	3,349	3,283	3,288	33.7	98.0	98.2	99.95
Modern History	10,329	10,082	9,523	48.9	97.6	92.2	99.95
History Extension	1,540	1,537	1,535	58.9	99.8	99.7	99.95
Music 1	4,324	4,126	3,531	48.4	95.4	81.7	99.55
Music 2	729	682	679	51.3	93.6	93.1	99.95
Music Extension	356	354	354	51.4	99.4	99.4	99.95

Table A1 Course enrolments, gender, ATAR eligibility and maximum ATAR by course

Course	Number all	Number HSC	Number ATAR	% Female	% HSC	% ATAR eligible	Maximum ATAR
PDH&PE	16,145	15,705	14,516	56.5	97.3	89.9	99.95
Physics	7,719	7,590	7,558	21.8	98.3	97.9	99.95
Science Extension	660	659	659	62.4	99.8	99.8	99.95
Society & Culture	4,732	4,578	4,315	81.9	96.7	91.2	99.80
Software Design & Development	1,863	1,784	1,719	11.8	95.8	92.3	99.95
Studies of Religion I	9,102	8,348	8,125	55.5	91.7	89.3	99.95
Studies of Religion II	6,295	5,986	5,880	63.1	95.1	93.4	99.95
Textiles & Design	1,502	1,444	1,278	95.5	96.1	85.1	99.80
Visual Arts	8,308	7,959	6,962	73.7	95.8	83.8	99.90
Arabic Continuers	299	273	248	62.2	91.3	82.9	96.75
Arabic Extension	71	69	54	71.8	97.2	76.1	93.50
Armenian Continuers	32	18	17	50.0	56.3	53.1	97.30
Chinese Beginners	60	59	55	68.3	98.3	91.7	98.40
Chinese Continuers	211	204	202	61.1	96.7	95.7	99.95
Chinese Extension	61	61	61	60.7	100.0	100.0	99.95
Chinese & Literature	331	301	323	50.8	90.9	97.6	99.95
Chinese in Context	156	148	150	66.0	94.9	96.2	99.70
Classical Greek Continuers	11	10	10	36.4	90.9	90.9	99.95
Classical Hebrew Continuers	19	19	18	52.6	100.0	94.7	98.45
Filipino Continuers	10	10	10	80.0	100.0	100.0	81.35
French Beginners	332	327	308	78.0	98.5	92.8	99.20
French Continuers	535	507	504	69.2	94.8	94.2	99.95
French Extension	99	97	97	67.7	98.0	98.0	99.85
German Beginners	96	90	82	62.5	93.8	85.4	99.55
German Continuers	150	142	141	49.3	94.7	94.0	99.85
German Extension	37	36	36	21.6	97.3	97.3	99.65
Hindi Continuers	39	22	21	53.8	56.4	53.8	92.50
Hungarian Continuers	15	4	4	40.0	26.7	26.7	97.05
Indonesian Beginners	27	27	26	77.8	100.0	96.3	97.45
Indonesian Continuers	45	40	40	66.7	88.9	88.9	99.15
Indonesian Extension	14	14	14	50.0	100.0	100.0	99.15
Italian Beginners	282	279	253	72.3	98.9	89.7	99.45
Italian Continuers	208	183	182	71.2	88.0	87.5	99.65
Italian Extension	36	33	33	55.6	91.7	91.7	99.65
Japanese Beginners	642	607	574	52.3	94.5	89.4	99.35
Japanese Continuers	760	712	707	64.5	93.7	93.0	99.95
Japanese Extension	162	156	157	67.9	96.3	96.9	99.95
Japanese in Context	45	43	44	53.3	95.6	97.8	98.15
Khmer Continuers	12	9	12	58.3	75.0	100.0	86.70
Korean Beginners	110	109	107	87.3	99.1	97.3	99.55
Korean Continuers	14	14	14	78.6	100.0	100.0	96.95
Korean & Literature	31	31	31	61.3	100.0	100.0	99.20
Korean in Context	51	51	51	74.5	100.0	100.0	99.50
Latin Continuers	144	141	141	54.9	97.9	97.9	99.95
Latin Extension	84	82	82	59.5	97.6	97.6	99.95
Macedonian Continuers	16	16	15	81.3	100.0	93.8	96.35

Table A1 Course enrolments, gender, ATAR eligibility and maximum ATAR by course

Course	Number all	Number HSC	Number ATAR	% Female	% HSC	% ATAR eligible	Maximum ATAR
Modern Greek Beginners	75	75	70	64.0	100.0	93.3	98.45
Modern Greek Continuers	92	75	73	62.0	81.5	79.3	99.20
Modern Greek Extension	28	22	21	75.0	78.6	75.0	99.20
Modern Hebrew Continuers	41	32	31	46.3	78.0	75.6	99.25
Persian Continuers	24	23	18	58.3	95.8	75.0	86.50
Polish Continuers	17	17	17	70.6	100.0	100.0	99.20
Portuguese Continuers	14	13	11	71.4	92.9	78.6	92.05
Punjabi Continuers	19	19	19	63.2	100.0	100.0	94.55
Russian Continuers	29	29	27	75.9	100.0	93.1	98.55
Serbian Continuers	23	22	23	52.2	95.7	100.0	93.30
Spanish Beginners	239	235	213	69.5	98.3	89.1	99.55
Spanish Continuers	148	144	138	64.2	97.3	93.2	99.40
Spanish Extension	32	32	31	65.6	100.0	96.9	99.00
Swedish Continuers	23	9	9	73.9	39.1	39.1	97.70
Tamil Continuers	88	41	41	63.6	46.6	46.6	99.50
Turkish Continuers	53	40	40	62.3	75.5	75.5	99.70
Vietnamese Continuers	156	136	142	59.6	87.2	91.0	96.90
Automotive Exam	234	201	102	11.5	85.9	43.6	81.25
Business Services Exam	1,304	1,132	992	73.6	86.8	76.1	99.70
Construction Exam	1,759	1,646	1,285	5.7	93.6	73.1	96.95
Electrotechnology Exam	242	232	165	7.4	95.9	68.2	95.95
Entertainment Industry Exam	681	659	594	49.2	96.8	87.2	98.05
Financial Services Exam	103	87	87	27.2	84.5	84.5	99.10
Hospitality Exam	4,577	4,216	3,786	73.8	92.1	82.7	97.75
Human Services Exam	604	600	548	93.5	99.3	90.7	97.75
Information & Digital Technology Exam	424	383	347	16.3	90.3	81.8	95.10
Primary Industries Exam	595	540	406	50.6	90.8	68.2	90.85
Retail Services Exam	835	693	603	67.3	83.0	72.2	95.15
Tourism, Travel & Events Exam	90	80	68	85.6	88.9	75.6	93.55
Total	69,518	61,798	54,308	52.9	88.9	78.1	99.95

Table A2 Distributions of 2022 HSC marks by course

- Notes: (i) The Number column shows the number of students who completed the course in 2022.
(ii) The Median HSC mark column shows the median HSC mark per course.
(iii) The Median Band column indicates the Performance Band in which the median HSC mark lies.
(iv) The Percentage of Students in Performance Band columns show the percentage of a course candidature in each of the Performance Bands 6 to 2. Extension courses show only Bands 4 to 2 as they have four Bands only: E1 to E4.
(v) This table excludes courses with less than 10 students.

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Aboriginal Studies	737	74	4	15	20	24	22	14
Agriculture	1,464	71	4	8	18	27	29	13
Ancient History	6,336	74	4	9	25	30	20	11
Biology	18,891	71	4	6	20	27	26	16
Business Studies	17,950	74	4	10	24	30	25	8
Chemistry	9,929	74	4	9	24	31	21	11
Community & Family Studies	8,964	76	4	6	27	42	20	5
Dance	840	83	5	19	47	26	8	<1
Design & Technology	3,622	79	4	13	34	35	14	3
Drama	3,231	82	5	21	38	29	11	1
Earth & Environmental Science	2,224	75	4	6	27	36	23	8
Economics	5,378	79	4	15	35	26	17	6
Engineering Studies	2,346	74	4	9	21	32	24	12
English Studies Exam	1273	57	2		<1	7	27	54
English Standard	30,643	71	4	1	15	40	32	11
English Advanced	24,661	83	5	15	53	26	6	1
English EAL/D	1,487	68	3	4	15	27	28	18
English Extension 1	3,427	43	E3			40	53	7
English Extension 2	1,242	41	E3			29	56	14
Food Technology	3,639	72	4	9	21	27	29	10
Geography	4,053	77	4	11	31	31	17	7
Industrial Technology	5,673	70	4	8	14	29	36	11
Information Processes & Technology	1,808	74	4	6	22	37	20	12
Investigating Science	2,695	73	4	4	21	38	23	9
Legal Studies	10,225	76	4	15	26	25	19	10
Mathematics Standard 1 Exam	1,410	73	4	4	23	38	23	10
Mathematics Standard 2	29,874	71	4	7	22	25	28	15
Mathematics Advanced	16,865	79	4	23	26	27	18	5
Mathematics Extension 1	8,679	82	E3			35	39	20
Mathematics Extension 2	3,271	86	E3			40	46	11
Modern History	10,153	75	4	10	25	33	21	9
History Extension	1,532	41	E3			25	58	14
Music 1	4,263	84	5	22	48	20	9	2
Music 2	684	87	5	34	52	13	1	
Music Extension	353	47	E4			76	21	3
PDH&PE	15,883	70	4	5	21	24	30	17

Table A2 Distributions of 2022 HSC marks by course

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Physics	7,633	76	4	12	29	27	19	9
Science Extension	658	38	E3			8	71	21
Society & Culture	4,614	78	4	11	32	32	18	5
Software Design & Development	1,806	76	4	14	24	32	17	10
Studies of Religion I	8,433	39	4	10	30	39	16	3
Studies of Religion II	6,091	79	4	10	36	33	14	5
Textiles & Design	1,485	81	5	17	37	25	14	5
Visual Arts	8,177	83	5	16	49	26	7	1
Arabic Continuers	294	82	5	16	48	28	7	1
Arabic Extension	70	41	E3			16	74	9
Armenian Continuers	20	80	5	20	30	45	5	
Chinese Beginners	59	83	5	31	25	27	7	2
Chinese Continuers	207	87	5	41	34	18	6	<1
Chinese Extension	61	45	E4			59	39	2
Chinese & Literature	330	85	5	24	48	22	5	1
Chinese in Context	152	91	6	61	28	7	1	2
Classical Hebrew Continuers	19	90	6	53	16	26	5	
Filipino Continuers	10	90	6	60	30	10		
French Beginners	323	76	4	23	20	21	26	8
French Continuers	514	82	5	26	32	27	11	3
French Extension	98	40	E3			13	73	13
German Beginners	91	82	5	33	25	13	19	10
German Continuers	143	81	5	27	30	28	11	4
German Extension	37	45	E4			62	35	3
Hindi Continuers	32	86	5	25	59	6	6	3
Hungarian Continuers	12	88	5	42	42	17		
Indonesian Beginners	27	85	5	26	37	22	15	
Indonesian Continuers	45	87	5	40	33	16	7	4
Indonesian Extension	14	43	E3			36	43	14
Italian Beginners	282	78	4	23	23	26	16	9
Italian Continuers	181	80	5	21	34	35	7	3
Italian Extension	33	44	E3			39	61	
Japanese Beginners	636	72	4	10	22	24	18	18
Japanese Continuers	746	82	5	24	34	23	14	3
Japanese Extension	161	44	E3			45	45	9
Japanese in Context	44	89	5	43	45	9	2	
Khmer Continuers	12	86	5	25	75			
Korean Beginners	110	82	5	26	30	25	15	4
Korean Continuers	14	78	4	21	21	50	7	
Korean & Literature	30	86	5	23	50	23	3	
Korean in Context	51	92	6	63	22	12	4	
Latin Continuers	141	87	5	38	36	18	4	2

Table A2 Distributions of 2022 HSC marks by course

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Latin Extension	83	47	E4			78	17	4
Macedonian Continuers	16	74	4	13	31	13	25	19
Modern Greek Beginners	75	90	6	52	32	8	5	3
Modern Greek Continuers	80	87	5	39	38	19	1	4
Modern Greek Extension	23	43	E3			35	65	
Modern Hebrew Continuers	31	95	6	84	10	6		
Persian Continuers	24	91	6	54	38	8		
Polish Continuers	15	94	6	67	33			
Portuguese Continuers	14	85	5	29	43		29	
Punjabi Continuers	19	80	5	16	42	42		
Russian Continuers	28	89	5	46	50		4	
Serbian Continuers	22	90	6	50	36	9	5	
Spanish Beginners	237	80	5	24	27	30	18	1
Spanish Continuers	148	83	5	15	43	27	14	1
Spanish Extension	32	45	E4			56	34	9
Swedish Continuers	14	92	6	57	43			
Tamil Continuers	48	92	6	75	25			
Turkish Continuers	41	84	5	34	39	22	5	
Vietnamese Continuers	155	79	4	8	42	35	10	5
Automotive Exam	211	69	3	4	6	35	40	10
Business Services Exam	1,176	75	4	3	29	36	24	8
Construction Exam	1,709	77	4	8	33	35	20	3
Electrotechnology Exam	236	64	3	2	7	24	32	29
Entertainment Industry Exam	651	78	4	20	28	34	15	4
Financial Services Exam	77	70	4	3	19	31	42	4
Hospitality Exam	4,300	77	4	6	34	36	18	6
Human Services Exam	599	72	4	1	12	52	33	3
Information & Digital Technology Exam	383	74	4	1	20	46	25	7
Primary Industries Exam	549	75	4	3	26	42	25	4
Retail Services Exam	745	69	3	<1	10	40	39	10
Tourism, Travel & Events Exam	79	70	4	4	22	29	37	8

Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course

- Notes: (i) The Number column shows the number of students who completed the course in 2022.
(ii) The P₉₉, P₉₀, P₇₅, P₅₀, P₂₅ columns refer to the 99th, 90th, 75th, 50th and 25th percentiles respectively.
(iii) The table excludes courses with less than 10 students completing the course in the current year, or if the students completing the course in the current year are undertaking less than 25 other ATAR courses in the same year. No percentile data are given for courses with less than 40 students.
(iv) This table should not be used as a simple HSC to scaled mark conversion table. For each HSC mark there can be a range of raw marks and therefore a range of scaled marks.

Course	Number	Type of mark	Mean	SD	Max. mark	P ₉₉	P ₉₀	P ₇₅	P ₅₀	P ₂₅
Aboriginal Studies	737	HSC	36.6	7.3	49.5	49.0	46.5	42.0	37.0	31.5
		scaled	16.0	12.6	46.2	44.8	37.1	24.2	12.8	5.7
Agriculture	1,464	HSC	35.4	6.5	49.5	48.0	44.0	40.0	35.5	31.5
		scaled	20.0	11.4	47.4	44.5	36.6	29.1	18.8	10.6
Ancient History	6,336	HSC	36.2	7.0	49.5	47.5	44.5	41.5	37.0	32.0
		scaled	23.0	11.0	49.0	45.3	37.8	31.5	22.8	14.3
Biology	18,891	HSC	35.2	6.4	49.0	46.5	43.5	40.0	35.5	30.5
		scaled	26.0	10.1	50.0	45.1	39.2	34.1	26.5	18.3
Business Studies	17,950	HSC	37.2	5.8	50.0	47.5	45.0	41.5	37.0	33.0
		scaled	23.6	10.8	49.3	44.7	38.7	32.3	23.0	14.8
Chemistry	9,929	HSC	36.5	6.6	49.5	48.0	44.5	41.0	37.0	32.5
		scaled	31.7	9.9	50.0	47.4	43.5	39.5	33.5	25.2
Community & Family Studies	8,964	HSC	37.6	4.7	49.5	47.5	43.5	41.0	38.0	34.5
		scaled	18.5	10.5	44.0	41.5	34.1	26.1	17.1	10.0
Dance	840	HSC	41.2	4.1	50.0	49.0	46.0	44.0	41.5	39.0
		scaled	24.6	11.1	48.0	46.1	39.8	33.2	24.1	16.4
Design & Technology	3,622	HSC	39.1	4.9	49.5	48.0	45.5	42.5	39.5	36.0
		scaled	22.7	10.5	48.1	45.2	37.4	30.4	22.2	14.7
Drama	3,231	HSC	40.6	4.7	50.0	49.0	46.5	44.0	41.0	37.0
		scaled	24.0	11.1	50.0	47.0	39.5	32.5	23.5	15.2
Earth & Environmental Science	2,224	HSC	37.1	5.1	48.5	46.5	43.5	41.0	37.5	33.5
		scaled	22.6	10.6	47.7	43.7	36.7	30.6	22.4	14.4
Economics	5,378	HSC	38.8	5.6	49.5	48.0	45.5	43.0	39.5	35.0
		scaled	31.4	9.7	50.0	47.2	43.0	39.1	32.8	24.9
Engineering Studies	2,346	HSC	36.5	5.9	49.0	47.5	44.5	41.0	37.0	32.5
		scaled	26.0	9.8	49.1	45.6	38.8	33.6	26.5	18.8
English Studies Exam	1,273	HSC	28.1	5.8	42.5	38.0	34.5	31.5	28.5	26.0
		scaled	9.3	6.0	36.4	24.9	18.0	13.3	8.4	4.4
English Standard	30,643	HSC	35.1	4.5	48.5	44.0	40.5	38.5	35.5	32.0
		scaled	20.1	8.3	48.4	39.6	31.3	25.8	19.7	14.1
English Advanced	24,661	HSC	41.0	3.8	49.5	47.5	45.5	43.5	41.5	39.0
		scaled	32.1	8.3	50.0	46.5	42.2	38.5	33.1	26.8
English EAL/D	1,487	HSC	33.6	7.1	48.5	47.0	42.5	38.5	34.0	29.5
		scaled	20.4	11.5	48.2	46.2	37.5	28.8	18.8	11.0
English Extension 1	3,427	HSC	42.2	4.8	50.0	49.0	47.0	46.0	43.0	39.0
		scaled	36.2	6.7	50.0	47.7	44.0	41.0	37.0	32.2
English Extension 2	1,242	HSC	40.5	5.9	50.0	49.0	47.0	45.0	41.0	37.0
		scaled	35.9	7.1	50.0	48.3	44.6	41.2	36.5	31.4
Food Technology	3,639	HSC	36.1	6.4	49.0	47.5	44.5	41.0	36.0	32.5
		scaled	19.0	11.5	46.0	43.4	36.4	28.1	17.0	9.7

Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course

Course	Number	Type of mark	Mean	SD	Max. mark	P ₉₉	P ₉₀	P ₇₅	P ₅₀	P ₂₅
Geography	4,053	HSC	37.8	6.0	49.0	47.5	45.0	42.5	38.5	34.5
		scaled	25.4	11.0	50.0	45.7	39.4	34.1	26.0	17.4
Industrial Technology	5,673	HSC	35.5	5.8	49.5	47.5	43.5	39.0	35.0	31.5
		scaled	17.7	10.0	42.0	39.3	32.2	25.4	16.4	9.4
Information Processes & Technology	1,808	HSC	36.1	6.1	48.0	46.5	43.5	40.0	37.0	32.5
		scaled	22.4	10.8	48.0	44.5	37.4	30.6	21.9	14.0
Investigating Science	2,695	HSC	35.9	5.9	48.0	46.0	43.0	40.0	36.5	32.5
		scaled	19.4	10.7	45.4	41.4	34.1	27.9	19.0	10.4
Legal Studies	10,225	HSC	37.1	7.1	49.5	48.0	45.5	42.5	38.0	32.5
		scaled	24.9	11.0	50.0	45.3	39.5	33.7	25.4	16.2
Mathematics Standard 1 Exam	1,410	HSC	36.2	5.8	49.5	47.0	43.0	40.0	36.5	33
		scaled	13.0	8.7	34.4	33.0	26.1	19.0	11.3	5.9
Mathematics Standard 2	29,874	HSC	35.6	6.4	50.0	48.0	44.0	40.5	35.5	31.0
		scaled	22.1	10.3	46.0	42.5	36.3	30.3	21.6	13.7
Mathematics Advanced	16,865	HSC	39.3	6.0	50.0	49.0	47.0	44.5	39.5	35.0
		scaled	31.7	9.5	50.0	47.8	43.7	39.1	32.5	25.0
Mathematics Extension 1	8,679	HSC	39.0	8.1	49.5	48.5	47.0	46.0	41.0	34.0
		scaled	40.0	7.7	50.0	49.2	47.5	45.6	42.1	36.7
Mathematics Extension 2	3,271	HSC	40.9	7.3	50.0	49.0	47.5	46.0	43.0	38.0
		scaled	44.2	5.1	50.0	49.5	48.5	47.4	45.6	42.7
Modern History	10,153	HSC	37.0	6.1	49.5	47.5	44.5	41.5	37.5	33.5
		scaled	25.4	10.9	50.0	46.1	39.5	33.7	26.2	17.6
History Extension	1,532	HSC	39.9	6.0	49.0	48.0	47.0	45.0	41.0	37.0
		scaled	33.6	7.3	50.0	47.4	42.8	38.8	34.0	29.2
Music 1	4,263	HSC	41.2	4.7	50.0	48.5	46.5	44.5	42.0	38.5
		scaled	21.4	10.6	46.7	43.3	36.0	29.4	21.0	13.0
Music 2	684	HSC	43.4	3.1	50.0	49.0	47.5	45.5	43.5	41.5
		scaled	34.2	8.2	50.0	48.5	44.1	40.2	35.3	28.9
Music Extension	353	HSC	46.1	4.1	50.0	50.0	50.0	49.0	47.0	45.0
		scaled	36.6	9.2	50.0	50.0	50.0	44.1	37.1	30.7
PDH&PE	15,883	HSC	35.1	6.1	49.5	46.5	43.5	40.0	35.0	30.5
		scaled	22.8	10.4	48.1	43.8	37.3	31.0	22.3	14.6
Physics	7,633	HSC	37.4	6.8	50.0	48.0	45.5	42.5	38.0	33.0
		scaled	30.9	10.4	50.0	46.8	43.4	39.3	32.5	23.6
Science Extension	658	HSC	37.9	4.8	50.0	48.0	44.0	41.0	38.0	35.0
		scaled	33.8	7.2	50.0	48.1	42.5	38.9	34.4	30.1
Society & Culture	4,614	HSC	38.3	5.5	49.5	48.0	45.0	42.5	39.0	35.0
		scaled	23.3	10.8	48.6	45.5	38.1	31.5	22.9	14.6
Software Design & Development	1,806	HSC	37.4	6.6	49.5	48.5	46.0	42.0	38.0	33.5
		scaled	26.8	11.0	50.0	46.8	41.4	35.4	27.5	18.6
Studies of Religion I	8,433	HSC	38.4	4.8	50.0	48.0	45.0	42.0	39.0	35.0
		scaled	27.3	9.2	48.9	45.1	39.5	34.2	27.6	20.6
Studies of Religion II	6,091	HSC	38.6	5.4	49.5	47.5	45.0	42.5	39.5	35.5
		scaled	27.1	10.3	50.0	45.6	40.2	35.3	28.0	19.6

Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course

Course	Number	Type of mark	Mean	SD	Max. mark	P ₉₉	P ₉₀	P ₇₅	P ₅₀	P ₂₅
Textiles & Design	1,485	HSC	39.3	5.8	49.0	48.0	46.0	43.5	40.5	35.5
		scaled	23.0	11.2	48.7	44.5	38.0	32.0	22.9	13.5
Visual Arts	8,177	HSC	40.9	4.1	49.5	48.0	45.5	44.0	41.5	38.5
		scaled	22.1	11.1	49.0	45.5	37.7	30.7	21.3	13.2
Arabic Continuers	294	HSC	40.7	4.5	49.0	48.0	45.5	44.0	41.0	38.0
		scaled	16.6	11.1	43.3	41.9	32.9	25.2	14.0	7.1
Arabic Extension	70	HSC	40.5	4.5	48.0	48.0	46.0	44.0	41.0	38.0
		scaled	24.4	6.4	39.2	39.2	32.5	28.6	25.0	19.9
Armenian Continuers	20	HSC	40.5	3.7	46.5					
		scaled	29.4	12.0	50.0					
Chinese Beginners	59	HSC	39.5	7.4	49.5	49.5	47.0	45.0	41.5	35.5
		scaled	23.0	10.8	44.5	44.5	35.7	31.4	24.6	14.0
Chinese Continuers	207	HSC	42.7	4.4	49.0	48.5	47.5	46.0	43.5	40.0
		scaled	34.0	8.7	50.0	48.3	45.4	40.6	35.0	28.6
Chinese Extension	61	HSC	44.6	2.8	50.0	50.0	48.0	46.0	45.0	43.0
		scaled	38.4	5.8	50.0	50.0	45.3	41.7	39.0	34.5
Chinese & Literature	330	HSC	41.6	4.0	48.0	47.5	45.5	44.5	42.5	39.0
		scaled	24.7	11.3	50.0	46.6	38.8	33.4	25.3	15.1
Chinese in Context	152	HSC	43.9	5.5	49.0	49.0	47.5	47.0	45.5	42.5
		scaled	30.6	10.3	50.0	46.9	41.7	38.8	32.0	24.4
Classical Hebrew Continuers	19	HSC	43.1	4.9	48.0					
		scaled	34.1	9.3	49.0					
Filipino Continuers	10	HSC	44.6	2.8	47.5					
		scaled	20.9	12.4	39.7					
French Beginners	323	HSC	37.9	7.2	50.0	49.0	47.0	44.0	38.0	32.5
		scaled	25.0	10.5	49.1	45.7	39.5	32.7	24.6	16.6
French Continuers	514	HSC	40.4	5.5	49.0	49.0	47.0	45.0	41.0	37.5
		scaled	34.0	8.7	50.0	49.3	44.4	40.6	35.0	29.0
French Extension	98	HSC	39.6	4.4	47.0	47.0	45.0	43.0	40.0	37.0
		scaled	40.2	4.8	50.0	50.0	45.3	43.2	40.9	37.6
German Beginners	91	HSC	39.9	6.7	50.0	50.0	48.0	45.5	41.0	34.5
		scaled	25.0	10.8	49.1	49.1	41.1	33.1	24.2	16.9
German Continuers	143	HSC	40.5	5.3	49.5	49.0	47.0	45.0	40.5	37.5
		scaled	34.4	8.6	50.0	48.5	44.9	40.8	34.9	29.9
German Extension	37	HSC	44.2	4.2	50.0					
		scaled	39.0	5.8	50.0					
Hindi Continuers	32	HSC	42.2	4.4	46.5					
		scaled	23.9	13.5	50.0					
Indonesian Beginners	27	HSC	41.5	4.6	49.0					
		scaled	26.0	11.4	50.0					
Indonesian Continuers	45	HSC	42.3	5.1	49.0	49.0	47.5	46.0	43.5	39.5
		scaled	31.9	10.2	50.0	50.0	44.0	39.4	32.6	24.6
Indonesian Extension	14	HSC	40.2	7.1	47.0					
		scaled	32.8	11.7	50.0					
Italian Beginners	282	HSC	38.5	7.1	50.0	49.5	47.5	44.5	39.0	34.0
		scaled	25.6	10.9	48.7	46.6	40.5	34.5	25.3	17.7

Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course

Course	Number	Type of mark	Mean	SD	Max. mark	P ₉₉	P ₉₀	P ₇₅	P ₅₀	P ₂₅
Italian Continuers	181	HSC	40.4	4.7	49.0	49.0	46.0	44.0	40.0	38.0
		scaled	31.7	8.6	50.0	50.0	42.4	38.1	31.3	26.9
Italian Extension	33	HSC	42.8	3.4	47.0					
		scaled	39.9	5.0	50.0					
Japanese Beginners	636	HSC	35.0	8.1	48.5	48.0	44.5	41.0	36.0	29.5
		scaled	23.2	11.7	47.7	47.1	38.7	32.6	23.3	13.8
Japanese Continuers	746	HSC	39.8	6.3	49.0	48.5	46.5	44.5	41.0	36.0
		scaled	31.2	9.8	50.0	48.3	43.0	38.7	32.0	24.9
Japanese Extension	161	HSC	42.4	5.4	49.0	49.0	48.0	47.0	44.0	39.0
		scaled	38.0	6.1	50.0	48.8	45.9	42.3	38.2	34.7
Japanese in Context	44	HSC	43.3	3.1	47.5	47.5	46.0	45.5	44.0	41.5
		scaled	26.8	10.9	50.0	50.0	39.2	36.4	27.1	17.5
Khmer Continuers	12	HSC	43.3	1.7	46.5					
		scaled	15.0	8.6	34.1					
Korean Beginners	110	HSC	40.1	6.2	49.5	49.5	47.0	45.0	40.5	36.0
		scaled	26.7	11.0	50.0	50.0	41.0	34.9	26.6	17.7
Korean Continuers	14	HSC	41.0	4.6	49.5					
		scaled	25.1	7.7	42.3					
Korean & Literature	30	HSC	42.3	3.6	49.5					
		scaled	25.6	10.4	50.0					
Korean in Context	51	HSC	44.2	4.3	49.0	49.0	48.0	47.0	46.0	43.0
		scaled	29.3	9.8	49.5	49.5	41.7	36.0	30.9	23.4
Latin Continuers	141	HSC	42.3	4.9	49.5	49.5	47.5	45.5	43.5	39.5
		scaled	39.9	7.1	50.0	49.8	47.4	44.4	41.6	37.1
Latin Extension	83	HSC	45.8	4.7	50.0	50.0	49.0	49.0	47.0	46.0
		scaled	41.4	7.4	50.0	50.0	47.9	46.4	43.4	39.3
Macedonian Continuers	16	HSC	37.1	6.8	48.0					
		scaled	21.8	11.3	47.2					
Modern Greek Beginners	75	HSC	43.5	5.2	50.0	50.0	49.0	48.0	45.0	40.5
		scaled	27.8	10.9	48.7	48.7	42.1	36.9	28.1	20.2
Modern Greek Continuers	80	HSC	42.6	4.8	48.5	48.5	47.5	46.5	43.5	40.0
		scaled	26.7	12.1	50.0	50.0	42.2	37.4	25.6	17.6
Modern Greek Extension	23	HSC	43.5	3.3	50.0					
		scaled	34.9	4.7	49.7					
Modern Hebrew Continuers	31	HSC	46.5	3.2	50.0					
		scaled	30.8	10.9	50.0					
Persian Continuers	24	HSC	44.1	3.3	49.0					
		scaled	22.4	6.7	37.3					
Polish Continuers	15	HSC	45.8	2.7	50.0					
		scaled	30.2	10.0	50.0					
Portuguese Continuers	14	HSC	40.8	5.3	46.5					
		scaled	28.0	11.6	46.4					
Punjabi Continuers	19	HSC	40.4	2.9	46.0					
		scaled	27.8	10.0	48.9					
Russian Continuers	28	HSC	44.3	3.1	48.0					
		scaled	25.9	11.8	50.0					

Table A3 Descriptive statistics and selected percentiles for HSC marks and scaled marks by course

Course	Number	Type of mark	Mean	SD	Max. mark	P ₉₉	P ₉₀	P ₇₅	P ₅₀	P ₂₅
Serbian Continuers	22	HSC	44.1	4.1	49.0					
		scaled	23.9	8.8	42.1					
Spanish Beginners	237	HSC	39.9	5.4	49.5	49.0	47.0	44.0	40.0	36.0
		scaled	25.6	11.4	50.0	47.7	41.6	34.6	24.6	16.9
Spanish Continuers	148	HSC	40.3	4.3	48.0	47.0	45.5	44.0	41.0	37.0
		scaled	26.8	10.8	49.6	45.9	41.5	35.6	27.0	18.8
Spanish Extension	32	HSC	43.1	4.8	48.0					
		scaled	30.8	10.0	48.8					
Turkish Continuers	41	HSC	42.3	4.3	49.0	49.0	47.5	46.5	42.0	39.5
		scaled	22.4	13.4	50.0	50.0	41.1	33.6	18.0	13.5
Vietnamese Continuers	155	HSC	39.1	4.6	46.0	46.0	44.5	42.5	39.5	37.0
		scaled	20.9	11.7	47.0	46.7	37.8	29.0	19.3	12.5
Automotive Exam	211	HSC	34.2	5.6	48.0	47.0	39.5	37.0	34.5	31.5
		scaled	13.0	8.7	34.5	34.1	25.0	18.6	11.4	5.8
Business Services Exam	1,176	HSC	37.0	4.9	48.0	46.0	42.5	40.5	37.5	34.0
		scaled	19.0	10.1	43.5	40.6	32.8	25.9	18.7	11.1
Construction Exam	1,709	HSC	38.3	4.8	48.5	47.0	44.5	42.0	38.5	35.0
		scaled	16.5	9.8	40.4	38.1	31.0	24.2	15.1	8.2
Electrotechnology Exam	236	HSC	32.0	6.2	47.0	46.0	39.5	35.5	32.0	28.0
		scaled	18.3	8.9	39.9	38.2	31.9	23.9	17.7	11.2
Entertainment Industry Exam	651	HSC	39.3	5.2	49.5	48.0	45.5	43.5	39.0	36.0
		scaled	21.6	9.4	44.4	41.5	34.4	28.7	20.5	14.1
Financial Services Exam	77	HSC	35.7	4.6	48.0	48.0	42.5	39.0	35.0	32.5
		scaled	24.2	10.5	49.2	49.2	40.2	32.4	21.6	15.9
Hospitality Exam	4,300	HSC	38.0	4.8	48.5	46.5	44.0	41.5	38.5	35.0
		scaled	19.0	10.1	43.8	41.3	33.3	26.3	18.5	11.1
Human Services Exam	599	HSC	36.1	3.5	50.0	45.0	40.5	38.5	36.0	34.0
		scaled	20.2	9.3	42.9	41.3	33.3	26.8	19.2	12.7
Information & Digital Technology Exam	383	HSC	36.3	4.9	46.0	44.0	41.5	39.5	37.0	34.0
		scaled	19.2	9.8	43.1	40.6	33.7	26.7	18.8	11.7
Primary Industries Exam	549	HSC	37.3	4.4	48.0	46.5	43.0	40.5	37.5	34.5
		scaled	17.1	9.3	39.8	38.5	31.0	24.8	16.2	9.5
Retail Services Exam	745	HSC	34.7	4.3	46.0	43.0	39.5	37.5	34.5	32.0
		scaled	16.6	10.5	42.5	40.9	31.2	24.2	14.8	7.4
Tourism, Travel & Events Exam	79	HSC	35.8	5.5	46.5	46.5	43.0	40.5	35.0	32.5
		scaled	20.0	11.0	45.9	45.9	37.5	30.4	16.8	11.2

Table A4 Distributions of HSC marks by course: 2021 and 2022

- Notes: (i) The Number column shows the number of students who completed the course in the given year.
(ii) Columns 45, 40, 35, 30 and 25 show the percentage of the course candidature with an HSC mark less than the specified mark.
(iii) The table excludes courses with less than 40 students in either year.

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Aboriginal Studies	2022	737	84.8	65.0	41.1	18.7	4.7
	2021	704	88.5	71.2	50.9	24.3	8.1
Agriculture	2022	1,464	92.1	73.9	46.7	17.3	4.4
	2021	1,496	89.3	65.6	44.9	20.7	5.7
Ancient History	2022	6,336	91.5	66.1	36.3	16.5	5.7
	2021	6,375	90.4	65.6	37.7	20.9	8.4
Biology	2022	18,891	93.6	73.2	46.7	20.3	4.2
	2021	18,708	92.8	68.7	33.9	8.8	2.1
Business Studies	2022	17,950	89.5	65.1	35.1	9.7	1.4
	2021	17,662	90.5	63.9	33.5	13.0	3.9
Chemistry	2022	9,929	90.8	66.8	36.0	15.4	4.1
	2021	9,884	89.0	59.6	33.7	11.3	2.1
Community & Family Studies	2022	8,964	94.2	67.1	25.5	5.3	0.7
	2021	8,913	94.5	67.9	27.9	6.9	1.0
Dance	2022	840	80.7	33.6	8.0	0.4	
	2021	905	87.3	45.3	14.8	2.0	0.6
Design & Technology	2022	3,622	87.2	52.9	18.0	3.6	0.7
	2021	3,429	82.9	45.4	17.3	3.0	0.7
Drama	2022	3,231	79.4	41.4	12.1	1.5	0.1
	2021	3,938	81.7	54.4	17.2	1.5	0.2
Earth & Environmental Science	2022	2,224	94.5	67.9	31.5	8.7	0.7
	2021	2,328	94.8	71.9	37.6	13.1	2.4
Economics	2022	5,378	85.5	50.6	24.1	6.9	0.8
	2021	5,043	85.1	49.8	22.3	5.7	0.6
Engineering Studies	2022	2,346	91.1	70.0	37.9	14.0	1.5
	2021	2,400	89.1	63.8	28.8	7.5	1.1
English Studies Exam	2022	1,273	100.0	99.6	92.5	65.4	11.0
	2021	1,357	100.0	99.0	91.7	55.8	16.1
English Standard	2022	30,643	99.4	84.5	44.3	12.0	1.3
	2021	31,341	99.4	83.4	42.2	9.5	1.6
English Advanced	2022	24,661	85.5	32.8	6.8	0.9	
	2021	24,409	83.7	31.2	6.1	0.7	0.1
English EAL/D	2022	1,487	96.4	81.2	53.9	26.2	8.7
	2021	1,879	97.6	76.6	41.6	13.8	3.3
English Extension 1	2022	3,427	60.4	25.5	7.4	1.6	0.3
	2021	3,415	58.9	20.8	6.1	1.7	0.4
English Extension 2	2022	1,242	70.5	39.9	15.0	4.5	1.0
	2021	1,308	74.8	40.7	15.8	4.0	0.9
Food Technology	2022	3,639	91.2	69.7	42.7	13.4	3.8
	2021	3,623	89.1	63.5	37.3	13.3	2.9

Table A4 Distributions of HSC marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Geography	2022	4,053	89.2	57.7	27.0	10.0	2.6
	2021	4,438	90.7	55.6	25.8	8.1	1.8
Industrial Technology	2022	5,673	92.4	78.1	49.1	13.4	2.1
	2021	5,667	93.0	74.7	47.2	20.6	4.7
Information Processes & Technology	2022	1,808	94.2	72.1	35.3	15.2	3.5
	2021	1,897	91.7	67.9	42.8	19.5	5.2
Investigating Science	2022	2,695	95.6	74.6	37.0	14.0	4.6
	2021	2,852	91.5	59.2	25.0	7.0	1.7
Legal Studies	2022	10,225	85.4	59.0	33.8	15.2	5.2
	2021	10,693	85.2	57.6	30.8	13.6	3.9
Mathematics Standard 1 Exam	2022	1,410	96.1	73.5	35.1	12.2	2.4
	2021	1,461	95.8	80.7	49.1	16.6	3.8
Mathematics Standard 2	2022	29,874	92.6	70.9	45.9	18.2	3.5
	2021	30,035	94.4	75.2	48.7	21.4	6.2
Mathematics Advanced	2022	16,865	77.4	51.0	23.6	5.5	0.9
	2021	16,769	76.8	49.8	21.2	6.2	1.9
Mathematics Extension 1	2022	8,679	65.2	44.1	26.4	13.0	6.0
	2021	8,547	62.7	42.0	25.7	13.0	5.8
Mathematics Extension 2	2022	3,271	60.4	32.7	14.9	8.1	3.9
	2021	3,193	57.2	30.0	13.4	4.7	1.4
Modern History	2022	10,153	90.2	65.6	32.1	11.2	2.6
	2021	10,890	89.3	62.0	34.9	15.8	5.5
History Extension	2022	1,532	74.6	39.8	16.3	6.5	2.1
	2021	1,742	76.6	48.9	22.6	7.3	2.1
Music 1	2022	4,263	78.3	30.4	10.5	1.9	0.4
	2021	4,697	80.0	35.7	10.6	1.7	0.3
Music 2	2022	684	66.1	13.9	0.9		
	2021	710	54.8	11.5	0.4		
Music Extension	2022	353	23.8	9.1	2.5	0.3	
	2021	381	36.0	17.1	4.7	1.0	0.3
PDH&PE	2022	15,883	94.8	73.9	49.7	20.1	3.2
	2021	16,482	93.1	69.1	39.6	13.5	2.7
Physics	2022	7,633	87.6	58.5	32.0	13.2	4.0
	2021	7,922	87.6	59.4	28.7	9.2	1.8
Science Extension	2022	658	91.8	61.9	21.3	5.0	0.6
	2021	715	89.5	64.8	27.8	5.9	0.7
Society & Culture	2022	4,614	89.0	56.5	24.7	6.9	1.5
	2021	4,739	87.0	54.5	20.1	6.2	2.2
Software Design & Development	2022	1,806	86.2	62.0	30.4	13.1	2.8
	2021	1,714	87.5	63.8	32.8	11.0	1.9
Studies of Religion I	2022	8,433	89.6	59.1	19.8	4.0	0.6
	2021	8,389	87.0	58.0	30.6	8.1	0.9
Studies of Religion II	2022	6,091	89.9	53.5	20.5	6.8	1.5
	2021	6,132	87.3	53.7	28.1	9.3	1.8

Table A4 Distributions of HSC marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Textiles & Design	2022	1,485	83.0	45.7	20.6	6.7	1.3
	2021	1,189	83.1	43.3	19.0	6.7	2.1
Visual Arts	2022	8,177	83.5	34.2	8.1	1.4	0.2
	2021	8,417	83.0	36.8	9.3	1.6	0.2
Arabic Continuers	2022	294	84.4	36.4	8.8	2.0	1.0
	2021	275	81.1	33.5	4.0	2.9	1.5
Arabic Extension	2022	70	84.3	37.1	10.0	1.4	1.4
	2021	68	50.0	11.8	4.4		
Chinese Beginners	2022	59	69.5	44.1	16.9	10.2	8.5
	2021	67	62.7	46.3	26.9	9.0	1.5
Chinese Continuers	2022	207	58.9	24.6	6.3	0.5	
	2021	209	56.9	28.7	10.5	1.9	
Chinese Extension	2022	61	41.0	3.3	1.6		
	2021	49	32.7	16.3	2.0	2.0	
Chinese & Literature	2022	330	76.1	28.5	6.7	1.2	0.3
	2021	373	78.6	30.3	7.2	2.1	0.3
Chinese in Context	2022	152	39.5	11.2	4.6	3.3	1.3
	2021	130	37.7	15.4	4.6	0.8	
French Beginners	2022	323	77.4	57.3	36.5	10.5	2.2
	2021	380	75.0	48.9	24.5	12.9	3.9
French Continuers	2022	514	73.9	42.2	15.0	4.3	1.2
	2021	598	67.1	37.0	12.4	2.5	0.5
French Extension	2022	98	86.7	40.8	13.3	3.1	
	2021	132	75.8	49.2	20.5	7.6	1.5
German Beginners	2022	91	67.0	41.8	28.6	9.9	
	2021	104	67.3	43.3	23.1	9.6	1.0
German Continuers	2022	143	73.4	43.4	15.4	4.2	
	2021	152	63.2	32.2	15.1	3.9	
Indonesian Continuers	2022	45	60.0	26.7	11.1	4.4	
	2021	62	71.0	50.0	29.0	8.1	1.6
Italian Beginners	2022	282	77.0	54.3	28.7	12.8	4.3
	2021	321	79.1	52.0	25.9	6.2	1.6
Italian Continuers	2022	181	79.0	44.8	9.9	3.3	0.6
	2021	198	61.1	27.8	8.1	2.5	
Japanese Beginners	2022	636	90.3	67.9	44.2	25.8	7.5
	2021	545	87.2	65.1	43.3	23.1	9.4
Japanese Continuers	2022	746	76.1	42.4	19.4	5.1	2.0
	2021	632	73.4	42.1	21.7	8.1	1.4
Japanese Extension	2022	161	54.7	25.5	9.3	3.1	0.6
	2021	166	39.8	21.7	8.4	3.0	1.2
Korean Beginners	2022	110	73.6	43.6	19.1	4.5	0.9
	2021	110	75.5	39.1	10.9	3.6	
Korean in Context	2022	51	37.3	15.7	3.9		
	2021	42	28.6	9.5	2.4		

Table A4 Distributions of HSC marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Latin Continuers	2022	141	61.7	25.5	7.1	2.8	0.7
	2021	154	52.6	22.7	7.8	2.6	
Latin Extension	2022	83	21.7	9.6	4.8	1.2	1.2
	2021	101	21.8	9.9	5.0	3.0	
Modern Greek Beginners	2022	75	48.0	16.0	8.0	2.7	
	2021	69	39.1	15.9	10.1	4.3	
Modern Greek Continuers	2022	80	61.3	23.8	5.0	3.8	
	2021	53	62.3	17.0			
Spanish Beginners	2022	237	76.4	49.8	19.8	2.1	0.8
	2021	275	78.2	46.2	22.9	9.1	3.3
Spanish Continuers	2022	148	85.1	41.9	14.9	0.7	
	2021	155	91.0	51.6	20.0	1.3	
Vietnamese Continuers	2022	155	92.3	50.3	15.5	5.8	1.3
	2021	217	85.3	31.3	5.1	1.4	
Automotive Exam	2022	211	95.7	90.0	55.0	14.7	4.3
	2021	219	98.2	87.7	56.2	23.7	1.8
Business Services Exam	2022	1,176	97.1	68.2	32.1	8.3	0.5
	2021	1,276	95.2	66.7	35.9	12.9	1.5
Construction Exam	2022	1,709	92.3	58.9	23.5	3.1	0.3
	2021	1,607	94.0	58.6	27.4	6.3	0.7
Electrotechnology Exam	2022	236	98.3	91.1	67.4	35.6	6.8
	2021	231	97.0	89.2	64.9	16.5	1.3
Entertainment Industry Exam	2022	651	80.5	52.8	19.0	3.8	0.3
	2021	827	87.1	45.9	13.9	3.0	1.0
Financial Services Exam	2022	77	97.4	77.9	46.8	5.2	1.3
	2021	111	93.7	72.1	34.2	5.4	0.9
Hospitality Exam	2022	4,300	94.1	60.3	24.1	6.1	0.5
	2021	4,467	95.7	70.0	34.7	11.1	1.8
Human Services Exam	2022	599	99.0	87.3	35.7	3.0	0.2
	2021	673	100.0	88.6	41.5	7.6	0.4
Information & Digital Technology Exam	2022	383	99.5	79.1	33.4	8.1	1.3
	2021	418	97.6	75.4	30.9	6.9	1.2
Primary Industries Exam	2022	549	96.9	70.9	29.3	4.6	0.4
	2021	526	94.9	72.6	26.6	4.6	1.7
Retail Services Exam	2022	745	99.9	90.3	50.2	11.0	1.2
	2021	776	99.2	91.6	51.4	19.3	4.0
Tourism, Travel & Events Exam	2022	79	96.2	74.7	45.6	8.9	1.3
	2021	133	97.7	79.7	20.3	5.3	

Table A5 Distributions of scaled marks by course: 2021 and 2022

- Notes: (i) The Number column shows the number of students who completed the course in the given year.
(ii) Columns 45, 40, 35, 30, 25, 20 and 15 show the percentage of the course candidature with a scaled mark less than the specified mark.
(iii) The table excludes courses with less than 40 students in either year.

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Aboriginal Studies	2022	737	99.2	92.8	87.4	81.3	76.4	69.3	55.9
	2021	704	99.4	94.6	88.5	81.8	76.3	70.0	60.1
Agriculture	2022	1,464	99.3	95.0	87.2	76.6	66.3	54.2	39.1
	2021	1,496	99.8	96.3	88.2	81.1	70.3	57.6	40.8
Ancient History	2022	6,336	98.9	93.3	83.9	70.7	56.3	40.8	26.8
	2021	6,375	99.3	93.4	83.0	70.1	55.3	39.8	25.8
Biology	2022	18,891	99.0	91.6	77.8	61.6	45.6	29.9	16.1
	2021	18,708	98.7	91.3	78.5	62.8	46.2	30.3	16.5
Business Studies	2022	17,950	99.2	92.3	81.8	68.9	55.7	41.3	25.7
	2021	17,662	99.0	93.1	82.2	68.6	53.4	37.8	23.6
Chemistry	2022	9,929	94.5	77.0	56.0	38.4	24.7	14.8	7.3
	2021	9,884	94.2	76.5	57.4	40.4	26.4	14.9	6.9
Community & Family Studies	2022	8,964	100.0	97.8	91.5	82.5	72.7	59.0	42.8
	2021	8,913	100.0	98.4	91.8	82.6	70.2	56.4	40.9
Dance	2022	840	97.7	90.5	78.6	66.4	52.9	36.0	21.8
	2021	905	97.8	90.8	80.8	68.4	54.4	40.3	25.5
Design & Technology	2022	3,622	98.8	94.1	85.4	73.9	59.0	42.8	25.7
	2021	3,429	99.0	94.4	85.0	73.3	59.2	43.6	28.1
Drama	2022	3,231	97.2	90.7	81.2	68.3	54.9	39.4	24.3
	2021	3,938	97.0	91.7	82.0	70.3	56.0	40.3	24.3
Earth & Environmental Science	2022	2,224	99.7	95.4	85.9	72.7	57.5	42.4	27.2
	2021	2,328	99.4	94.8	84.7	74.1	59.0	43.0	27.7
Economics	2022	5,378	95.6	79.2	58.0	40.0	25.3	14.5	7.0
	2021	5,043	96.0	78.3	56.6	38.2	23.3	12.3	6.0
Engineering Studies	2022	2,346	98.4	91.9	79.3	63.2	44.5	29.3	14.6
	2021	2,400	99.2	92.8	80.1	63.3	45.8	27.9	14.3
English Studies Exam	2022	1,273		100.0	99.8	99.6	99.1	94.5	83.7
	2021	1,357		100.0	99.9	99.4	98.0	94.0	83.3
English Standard	2022	30,643	100.0	99.1	95.7	87.0	72.3	51.3	29.2
	2021	31,341	99.9	99.3	95.7	87.0	71.4	50.5	28.4
English Advanced	2022	24,661	97.1	81.9	58.8	36.6	19.8	9.0	3.1
	2021	24,409	96.8	81.4	58.1	36.2	19.3	8.8	3.2
English EAL/D	2022	1,487	98.5	93.5	86.1	78.1	65.8	53.1	38.4
	2021	1,879	99.0	95.1	85.6	74.2	62.7	47.2	30.6
English Extension 1	2022	3,427	93.5	67.9	37.9	16.5	6.4	2.5	0.8
	2021	3,415	93.3	66.0	34.8	14.1	5.9	2.5	0.8
English Extension 2	2022	1,242	91.9	69.4	42.7	18.6	7.3	2.4	0.6
	2021	1,308	92.0	66.5	36.3	15.4	5.2	1.3	0.5
Food Technology	2022	3,639	99.9	95.5	87.5	78.5	69.1	57.7	44.1
	2021	3,623	99.8	96.5	89.4	78.6	67.9	55.9	41.5

Table A5 Distributions of scaled marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Geography	2022	4,053	98.6	91.4	77.9	62.9	46.4	31.7	19.8
	2021	4,438	98.1	90.7	78.5	63.8	47.2	32.3	20.0
Industrial Technology	2022	5,673	100.0	99.5	93.9	85.7	74.0	60.9	45.0
	2021	5,667	100.0	99.7	94.8	86.1	75.1	62.5	46.6
Information Processes & Technology	2022	1,808	99.1	94.0	85.1	73.3	60.0	42.5	27.8
	2021	1,897	98.9	94.4	83.9	71.1	58.2	42.6	26.7
Investigating Science	2022	2,695	99.9	98.0	91.6	81.5	67.9	52.7	38.8
	2021	2,852	99.8	96.9	90.4	79.1	65.1	50.0	35.0
Legal Studies	2022	10,225	98.9	91.1	79.0	64.0	49.0	34.6	22.0
	2021	10,693	98.3	90.3	78.0	64.4	49.1	35.0	21.9
Mathematics Standard 1 Exam	2022	1,410			100.0	95.2	87.9	76.9	62.7
	2021	1,461			100.0	95.8	88.2	77.7	62.1
Mathematics Standard 2	2022	29,874	99.9	96.4	87.0	74.3	60.2	44.9	28.9
	2021	30,035	99.9	96.4	87.5	75.2	61.0	44.5	27.9
Mathematics Advanced	2022	16,865	93.7	77.8	59.1	40.6	24.9	13.1	5.1
	2021	16,769	95.1	79.6	60.0	40.9	24.8	13.2	6.0
Mathematics Extension 1	2022	8,679	69.9	38.3	20.3	11.4	6.3	2.9	1.1
	2021	8,547	71.3	39.5	21.2	11.4	6.2	2.5	1.1
Mathematics Extension 2	2022	3,271	42.7	13.4	5.3	2.8	1.3	0.7	0.4
	2021	3,193	45.0	15.2	6.0	2.5	0.8	0.4	0.2
Modern History	2022	10,153	98.2	90.9	78.8	62.8	46.1	31.1	19.4
	2021	10,890	98.6	90.9	78.3	63.2	47.2	32.5	20.1
History Extension	2022	1,532	95.3	80.0	55.6	29.8	12.0	4.4	1.2
	2021	1,742	96.5	79.6	55.3	30.6	12.9	4.9	1.6
Music 1	2022	4,263	99.8	96.0	88.1	76.6	62.6	46.4	29.9
	2021	4,697	99.2	95.4	86.8	76.9	64.2	49.1	33.0
Music 2	2022	684	92.1	73.7	48.5	27.8	14.9	6.0	2.3
	2021	710	90.0	74.4	53.5	34.4	18.9	8.2	2.3
Music Extension	2022	353	76.8	61.8	41.9	22.9	9.9	5.1	1.1
	2021	381	82.9	62.5	46.2	32.3	18.9	5.8	1.0
PDH&PE	2022	15,883	99.6	94.8	84.9	72.4	58.5	42.8	26.1
	2021	16,482	99.3	93.9	84.1	72.0	57.2	41.1	25.2
Physics	2022	7,633	95.2	77.4	58.4	42.3	28.5	17.6	9.2
	2021	7,922	95.8	79.6	60.9	43.9	29.0	16.9	8.3
Science Extension	2022	658	97.7	81.0	55.0	24.6	10.9	5.2	1.7
	2021	715	93.3	78.6	58.3	31.0	13.6	3.1	1.0
Society & Culture	2022	4,614	98.7	93.0	83.6	70.8	56.3	41.0	26.0
	2021	4,739	99.2	93.7	83.8	71.5	56.4	40.5	24.5
Software Design & Development	2022	1,806	96.8	87.1	73.6	58.6	42.6	28.3	17.4
	2021	1,714	96.7	88.5	77.1	64.4	49.2	33.3	19.3
Studies of Religion I	2022	8,433	98.9	91.0	77.4	59.6	40.6	23.2	10.4
	2021	8,389	98.9	91.3	76.4	58.5	39.4	22.6	9.5
Studies of Religion II	2022	6,091	98.5	89.6	74.3	56.7	40.7	25.7	14.5
	2021	6,132	98.5	89.4	74.0	56.5	38.7	24.2	12.9

Table A5 Distributions of scaled marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Textiles & Design	2022	1,485	99.4	93.9	83.0	68.9	55.0	41.8	29.0
	2021	1,189	97.7	91.0	81.8	70.0	56.4	42.4	28.2
Visual Arts	2022	8,177	98.7	93.4	85.1	73.3	60.8	46.5	30.9
	2021	8,417	98.9	93.5	84.5	73.9	60.5	45.6	30.1
Arabic Continuers	2022	294	100.0	98.0	92.9	86.1	73.5	63.9	52.7
	2021	275	99.3	94.5	86.2	78.9	70.2	58.5	45.8
Arabic Extension	2022	70		100.0	94.3	82.9	50.0	27.1	8.6
	2021	68	100.0	95.6	83.8	60.3	39.7	8.8	1.5
Chinese Beginners	2022	59	100.0	94.9	89.8	66.1	52.5	37.3	27.1
	2021	67	95.5	89.6	80.6	59.7	46.3	32.8	13.4
Chinese Continuers	2022	207	89.9	73.4	49.3	31.4	16.9	6.8	3.4
	2021	209	93.3	77.5	58.9	44.0	25.4	12.4	8.6
Chinese Extension	2022	61	88.5	62.3	29.5	8.2	1.6	1.6	
	2021	49	85.7	49.0	30.6	22.4	6.1	2.0	2.0
Chinese & Literature	2022	330	97.6	92.1	78.8	65.2	49.1	36.1	24.8
	2021	373	97.1	92.2	83.4	68.9	49.6	33.5	19.8
Chinese in Context	2022	152	96.7	82.9	59.9	40.8	26.3	17.1	9.2
	2021	130	94.6	79.2	61.5	42.3	27.7	16.9	10.0
French Beginners	2022	323	98.1	90.4	79.6	65.9	51.4	36.5	18.6
	2021	380	95.3	91.6	82.1	66.8	52.9	37.6	21.8
French Continuers	2022	514	91.2	72.6	49.8	28.6	16.3	8.0	3.1
	2021	598	90.1	69.2	52.5	32.3	16.2	8.0	2.8
French Extension	2022	98	87.8	39.8	13.3	3.1			
	2021	132	79.5	49.2	20.5	7.6	2.3	1.5	
German Beginners	2022	91	97.8	89.0	80.2	62.6	52.7	35.2	18.7
	2021	104	97.1	77.9	67.3	56.7	44.2	24.0	15.4
German Continuers	2022	143	90.9	69.9	51.0	25.2	13.3	7.0	3.5
	2021	152	92.1	68.4	49.3	30.3	21.1	13.2	7.2
Indonesian Continuers	2022	45	95.6	77.8	57.8	35.6	26.7	15.6	8.9
	2021	62	88.7	80.6	54.8	43.5	30.6	21.0	6.5
Italian Beginners	2022	282	97.2	87.9	76.6	65.2	48.2	32.3	17.7
	2021	321	97.2	89.1	77.9	65.7	49.8	34.9	18.4
Italian Continuers	2022	181	95.0	81.2	65.2	44.2	19.9	8.3	4.4
	2021	198	96.0	83.3	57.6	40.4	24.7	11.1	7.6
Japanese Beginners	2022	636	97.5	92.5	82.7	67.3	55.7	40.3	27.7
	2021	545	99.3	93.9	83.1	68.6	54.3	39.1	26.2
Japanese Continuers	2022	746	94.0	79.4	62.2	42.5	25.6	13.1	5.4
	2021	632	95.9	82.1	64.2	43.2	25.8	14.2	6.2
Japanese Extension	2022	161	86.3	59.6	28.0	8.7	3.1	1.2	
	2021	166	93.4	68.1	39.8	18.1	3.0	1.2	0.6
Korean Beginners	2022	110	95.5	88.2	75.5	59.1	42.7	28.2	15.5
	2021	110	96.4	89.1	84.5	65.5	47.3	29.1	15.5
Korean in Context	2022	51	94.1	86.3	72.5	43.1	29.4	19.6	9.8
	2021	42	95.2	85.7	76.2	59.5	42.9	23.8	11.9

Table A5 Distributions of scaled marks by course: 2021 and 2022

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Latin Continuers	2022	141	77.3	43.3	20.6	7.8	2.8	2.8	0.7
	2021	154	65.6	30.5	19.5	8.4	4.5	3.9	1.3
Latin Extension	2022	83	60.2	34.9	13.3	6.0	4.8	2.4	1.2
	2021	101	58.4	30.7	16.8	6.9	5.0	3.0	
Modern Greek Beginners	2022	75	96.0	86.7	68.0	58.7	45.3	22.7	10.7
	2021	69	94.2	79.7	69.6	52.2	37.7	26.1	14.5
Modern Greek Continuers	2022	80	95.0	81.3	70.0	61.3	46.3	33.8	17.5
	2021	53	92.5	81.1	64.2	58.5	45.3	26.4	11.3
Spanish Beginners	2022	237	96.2	86.1	75.5	65.0	52.7	35.0	20.7
	2021	275	97.8	90.9	78.5	66.5	50.5	37.5	23.6
Spanish Continuers	2022	148	98.0	87.8	72.3	58.8	43.9	29.1	16.2
	2021	155	98.1	88.4	80.0	66.5	43.9	26.5	17.4
Vietnamese Continuers	2022	155	97.4	92.9	84.5	76.1	67.7	52.3	36.8
	2021	217	98.6	94.5	87.6	74.2	59.4	43.3	25.3
Automotive Exam	2022	211			100.0	94.3	90.0	76.3	61.6
	2021	219		100.0	99.1	96.3	85.4	72.1	59.4
Business Services Exam	2022	1,176	100.0	98.6	93.7	83.8	71.2	55.5	37.3
	2021	1,276	100.0	96.7	91.5	81.7	70.1	55.2	38.5
Construction Exam	2022	1,709	100.0	99.8	95.4	88.2	77.1	64.6	47.6
	2021	1,607		100.0	97.4	89.7	80.5	67.5	50.5
Electrotechnology Exam	2022	236		100.0	95.8	87.3	77.1	61.9	37.7
	2021	231		100.0	97.0	90.0	81.0	61.9	37.2
Entertainment Industry Exam	2022	651	100.0	98.5	90.0	78.5	65.0	46.4	27.6
	2021	827	100.0	98.5	92.0	81.7	67.2	45.9	27.8
Financial Services Exam	2022	77	97.4	89.6	77.9	68.8	57.1	45.5	20.8
	2021	111	97.3	88.3	80.2	66.7	49.5	26.1	10.8
Hospitality Exam	2022	4,300	100.0	98.5	92.0	84.3	70.7	57.2	39.1
	2021	4,467	100.0	98.9	93.2	83.3	70.0	53.7	37.5
Human Services Exam	2022	599	100.0	97.8	92.5	82.1	68.9	52.6	32.9
	2021	673	100.0	97.2	90.2	82.9	68.1	50.4	34.2
Information & Digital Technology Exam	2022	383	100.0	99.0	94.3	84.9	70.0	52.7	36.0
	2021	418	100.0	97.4	90.0	80.6	66.0	46.7	27.8
Primary Industries Exam	2022	549		100.0	96.9	88.2	78.3	66.3	45.7
	2021	526	100.0	98.5	93.9	85.2	72.6	62.4	42.4
Retail Services Exam	2022	745	100.0	98.7	93.2	88.3	75.4	65.2	50.2
	2021	776	100.0	98.5	93.0	85.6	76.8	65.6	51.4
Tourism, Travel & Events Exam	2022	79	98.7	94.9	86.1	74.7	70.9	55.7	39.2
	2021	133	100.0	95.5	91.0	79.7	63.2	46.6	28.6

Table A6 Courses that contribute to the ATAR (more than 10 units)

- Notes: (i) This table shows the percentage of the course candidature who completed more than 10 units of ATAR courses and for whom *all* units of that course contributed to their ATAR.
- (ii) The **Number receiving ATAR** column shows the number of students who did the course in 2022 or a previous year, and received an ATAR in 2022.
- (iii) The **ATAR students with > 10 units** columns show the number and percentage of ATAR students who completed more than 10 units of ATAR courses.
- (iv) The **Percentage who counted course** column shows the percentage of the ATAR students who completed more than 10 units of ATAR courses for whom all units of that course contributed towards their ATAR.
- (v) The **Maximum ATAR including the course** column shows the maximum ATAR of any student doing the course in any year and including all units from that course in their ATAR calculation.
- (vi) The table excludes courses with less than 10 students.

Course	Number receiving ATAR	ATAR students with > 10 units			Maximum ATAR including the course
		Number	Percentage	Percentage who counted course	
Aboriginal Studies	486	136	28	74	99.10
Agriculture	1,099	433	39	78	99.70
Ancient History	5,685	2,130	37	84	99.90
Biology	18,114	7,465	41	82	99.95
Business Studies	16,604	5,407	33	85	99.90
Chemistry	9,893	5,543	56	76	99.95
Community & Family Studies	7,367	2,177	30	88	99.10
Dance	784	255	33	62	99.80
Design & Technology	3,180	1,106	35	73	99.80
Drama	2,851	1,006	35	72	99.90
Earth & Environmental Science	1,929	603	31	85	98.95
Economics	5,341	2,559	48	74	99.95
Engineering Studies	2,285	1,133	50	71	99.75
English Studies Exam	559	99	18	100	87.60
English Standard	27,890	7,678	28	100	99.95
English Advanced	24,521	11,467	47	99	99.95
English EAL/D	1,338	362	27	100	99.95
English Extension 1	3,410	2,234	66	87	99.95
English Extension 2	1,228	715	58	82	99.95
Food Technology	2,925	867	30	85	99.30
Geography	3,823	1,475	39	83	99.90
Industrial Technology	4,050	1,254	31	74	97.05
Information Processes & Technology	1,715	719	42	71	99.75
Investigating Science	2,283	822	36	85	98.10
Legal Studies	9,694	3,510	36	85	99.95
Mathematics Standard 1 Exam	866	246	28	54	88.35
Mathematics Standard 2	27,589	7,768	28	71	99.70
Mathematics Advanced	15,827	8,411	53	72	99.95
Mathematics Extension 1	8,534	5,911	69	91	99.95
Mathematics Extension 2	3,288	1,701	52	98	99.95
Modern History	9,523	3,926	41	83	99.95
History Extension	1,535	1,202	78	81	99.95

Table A6 Courses that contribute to the ATAR (more than 10 units)

Course	Number receiving ATAR	ATAR students with > 10 units			Maximum ATAR including the course
		Number	Percentage	Percentage who counted course	
Music 1	3,531	1,186	34	61	99.40
Music 2	679	478	70	71	99.95
Music Extension	354	286	81	68	99.95
PDH&PE	14,516	4,706	32	84	99.80
Physics	7,558	4,117	54	75	99.95
Science Extension	659	527	80	78	99.95
Society & Culture	4,315	1,314	30	84	99.80
Software Design & Development	1,719	803	47	72	99.90
Studies of Religion I	8,125	7,005	86	81	99.80
Studies of Religion II	5,880	1,533	26	83	99.95
Textiles & Design	1,278	354	28	82	98.85
Visual Arts	6,962	2,164	31	73	99.90
Arabic Continuers	248	85	34	85	96.75
Arabic Extension	54	47	87	85	88.90
Armenian Continuers	17	13	76	85	97.30
Chinese Beginners	55	18	33	72	98.40
Chinese Continuers	202	127	63	57	99.95
Chinese Extension	61	51	84	84	99.95
Chinese & Literature	323	120	37	63	99.95
Chinese in Context	150	69	46	58	99.70
Classical Greek Continuers	10	10	100	70	99.95
Classical Hebrew Continuers	18	13	72	62	98.45
Filipino Continuers	10	4	40	75	81.35
French Beginners	308	125	41	74	99.20
French Continuers	504	322	64	65	99.95
French Extension	97	78	80	83	99.85
German Beginners	82	26	32	73	99.55
German Continuers	141	94	67	63	99.80
German Extension	36	31	86	71	99.40
Hindi Continuers	21	17	81	47	86.25
Indonesian Beginners	26	10	38	70	97.45
Indonesian Continuers	40	26	65	65	99.15
Indonesian Extension	14	11	79	55	99.15
Italian Beginners	253	122	48	72	99.45
Italian Continuers	182	103	57	61	99.60
Italian Extension	33	25	76	76	99.65
Japanese Beginners	574	168	29	71	99.35
Japanese Continuers	707	402	57	64	99.95
Japanese Extension	157	123	78	88	99.95
Japanese in Context	44	13	30	38	95.35
Khmer Continuers	12	6	50	100	86.70
Korean Beginners	107	41	38	76	99.55
Korean Continuers	14	4	29	75	96.95

Table A6 Courses that contribute to the ATAR (more than 10 units)

Course	Number receiving ATAR	ATAR students with > 10 units			Maximum ATAR including the course
		Number	Percentage	Percentage who counted course	
Korean & Literature	31	7	23	57	99.00
Korean in Context	51	25	49	64	99.00
Latin Continuers	141	118	84	64	99.95
Latin Extension	82	72	88	75	99.95
Macedonian Continuers	15	8	53	63	92.05
Modern Greek Beginners	70	38	54	71	98.45
Modern Greek Continuers	73	37	51	65	99.20
Modern Greek Extension	21	19	90	100	99.20
Modern Hebrew Continuers	31	6	19	67	99.25
Persian Continuers	18	6	33	100	86.50
Polish Continuers	17	11	65	73	99.20
Portuguese Continuers	11	6	55	50	92.05
Punjabi Continuers	19	17	89	47	94.55
Russian Continuers	27	7	26	71	98.55
Serbian Continuers	23	10	43	60	93.30
Spanish Beginners	213	71	33	73	99.55
Spanish Continuers	138	70	51	63	99.40
Spanish Extension	31	22	71	77	99.00
Tamil Continuers	41	35	85	54	99.30
Turkish Continuers	40	18	45	50	96.25
Vietnamese Continuers	142	38	27	63	96.90
Automotive Exam	102	42	41	48	81.25
Business Services Exam	992	374	38	74	99.70
Construction Exam	1,285	420	33	77	96.25
Electrotechnology Exam	165	50	30	60	93.85
Entertainment Industry Exam	594	188	32	80	97.60
Financial Services Exam	87	44	51	64	99.10
Hospitality Exam	3,786	1,175	31	75	97.75
Human Services Exam	548	226	41	77	97.05
Information & Digital Technology Exam	347	115	33	70	93.95
Primary Industries Exam	406	150	37	71	90.85
Retail Services Exam	603	222	37	68	95.15
Tourism, Travel & Events Exam	68	23	34	70	93.55

Table A7 ATAR distribution

- Note: (i) This table shows the number of students receiving each ATAR from 99.95 to 99.00 and the number corresponding to the stated ATAR ranges down to 30.00–30.95.
- (ii) The median ATAR in 2022 was 71.25.

ATAR	Number	Number on or above	Percentage on or above
99.95	48	48	0.1
99.90	48	96	0.2
99.85	48	144	0.3
99.80	46	190	0.3
99.75	50	240	0.4
99.70	47	287	0.5
99.65	49	336	0.6
99.60	48	384	0.7
99.55	44	428	0.8
99.50	50	478	0.9
99.45	49	527	1.0
99.40	46	573	1.1
99.35	48	621	1.1
99.30	42	663	1.2
99.25	51	714	1.3
99.20	53	767	1.4
99.15	48	815	1.5
99.10	47	862	1.6
99.05	44	906	1.7
99.00	53	959	1.8
99.00 - 99.95	959	959	1.8
98.00 - 98.95	956	1,915	3.5
97.00 - 97.95	959	2,874	5.3
96.00 - 96.95	968	3,842	7.1
95.00 - 95.95	954	4,796	8.8
94.00 - 94.95	959	5,755	10.6
93.00 - 93.95	958	6,713	12.4
92.00 - 92.95	967	7,680	14.1
91.00 - 91.95	954	8,634	15.9
90.00 - 90.95	958	9,592	17.7
89.00 - 89.95	966	10,558	19.4
88.00 - 88.95	956	11,514	21.2
87.00 - 87.95	960	12,474	23.0
86.00 - 86.95	957	13,431	24.7
85.00 - 85.95	943	14,374	26.5
84.00 - 84.95	961	15,335	28.2
83.00 - 83.95	947	16,282	30.0
82.00 - 82.95	955	17,237	31.7
81.00 - 81.95	923	18,160	33.4
80.00 - 80.95	956	19,116	35.2
79.00 - 79.95	948	20,064	36.9
78.00 - 78.95	919	20,983	38.6

Table A7 ATAR distribution

ATAR	Number	Number on or above	Percentage on or above
77.00 - 77.95	946	21,929	40.4
76.00 - 76.95	928	22,857	42.1
75.00 - 75.95	918	23,775	43.8
74.00 - 74.95	914	24,689	45.5
73.00 - 73.95	917	25,606	47.1
72.00 - 72.95	911	26,517	48.8
71.00 - 71.95	903	27,420	50.5
70.00 - 70.95	896	28,316	52.1
69.00 - 69.95	890	29,206	53.8
68.00 - 68.95	876	30,082	55.4
67.00 - 67.95	881	30,963	57.0
66.00 - 66.95	861	31,824	58.6
65.00 - 65.95	868	32,692	60.2
64.00 - 64.95	848	33,540	61.8
63.00 - 63.95	837	34,377	63.3
62.00 - 62.95	830	35,207	64.8
61.00 - 61.95	826	36,033	66.3
60.00 - 60.95	798	36,831	67.8
59.00 - 59.95	798	37,629	69.3
58.00 - 58.95	792	38,421	70.7
57.00 - 57.95	772	39,193	72.2
56.00 - 56.95	751	39,944	73.6
55.00 - 55.95	752	40,696	74.9
54.00 - 54.95	739	41,435	76.3
53.00 - 53.95	734	42,169	77.6
52.00 - 52.95	711	42,880	79.0
51.00 - 51.95	712	43,592	80.3
50.00 - 50.95	692	44,284	81.5
49.00 - 49.95	674	44,958	82.8
48.00 - 48.95	661	45,619	84.0
47.00 - 47.95	615	46,234	85.1
46.00 - 46.95	614	46,848	86.3
45.00 - 45.95	582	47,430	87.3
44.00 - 44.95	566	47,996	88.4
43.00 - 43.95	528	48,524	89.3
42.00 - 42.95	498	49,022	90.3
41.00 - 41.95	474	49,496	91.1
40.00 - 40.95	453	49,949	92.0
39.00 - 39.95	425	50,374	92.8
38.00 - 38.95	379	50,753	93.5
37.00 - 37.95	365	51,118	94.1
36.00 - 36.95	328	51,446	94.7
35.00 - 35.95	309	51,755	95.3
34.00 - 34.95	280	52,035	95.8
33.00 - 33.95	253	52,288	96.3
32.00 - 32.95	226	52,514	96.7
31.00 - 31.95	220	52,734	97.1
30.00 - 30.95	190	52,924	97.5

Table A8 ATAR percentiles: 2018–2022

Note: This table shows the ATAR at selected percentiles of the ATAR cohort.

Percentile	ATAR 2018	ATAR 2019	ATAR 2020	ATAR 2021	ATAR 2022
100	99.95	99.95	99.95	99.95	99.95
99	99.40	99.40	99.40	99.40	99.40
98	98.80	98.80	98.80	98.80	98.85
95	97.00	97.00	97.05	97.05	97.15
90	94.00	94.00	94.10	94.15	94.30
85	91.00	91.05	91.15	91.20	91.50
80	88.00	88.05	88.25	88.30	88.65
75	85.00	85.05	85.30	85.35	85.80
70	82.00	82.05	82.30	82.40	82.95
60	75.85	75.95	76.30	76.50	77.20
50	69.65	69.75	70.15	70.40	71.25
40	63.15	63.25	63.75	64.05	65.10
30	56.20	56.35	56.90	57.25	58.50

Table A9 Relationship between the ATAR and aggregates: 2018–2022

Note: This table shows the lowest aggregate of scaled marks corresponding to each of the selected ATARs.

ATAR	Lowest aggregate				
	2018	2019	2020	2021	2022
99.95	476.3	476.7	478.1	478.8	478.1
99.50	455.5	454.5	458.8	458.7	459.9
99.00	444.5	443.8	447.8	448.0	449.1
98.00	429.9	429.6	433.8	433.7	434.3
95.00	402.8	402.0	404.2	404.8	404.6
90.00	371.1	370.0	370.1	369.8	368.9
85.00	343.1	342.2	341.8	340.2	338.9
80.00	318.2	316.3	315.8	313.5	310.9
75.00	294.5	291.7	290.8	288.0	285.2
70.00	271.1	268.6	267.2	263.8	259.5
65.00	248.1	245.9	244.1	239.8	234.4
60.00	224.1	223.5	221.1	217.2	210.4
55.00	201.0	200.2	198.3	195.4	186.4
50.00	178.0	176.8	175.5	172.8	162.8