

ATAR 2019

Preliminary report on the Scaling of the 2019 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 2019 – a more detailed report will be released in 2019. Please see the booklet *All About Your ATAR* for more background on the index.

There were no changes to the scaling procedures in 2019 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 2019 a total of 55,031 students received an ATAR, 1,096 fewer than in 2018. The gender balance was similar to 2018 – 46% of ATAR-eligible students were male and 54% were female.

16.8% of the students received an ATAR of 90.00 or above, 33.4% received an ATAR of at least 80.00, 49.6% at least 70.00, and 64.8% at least 60.00. The median ATAR was 69.75, slightly higher than in 2018. The median ATAR for females was 71.10 whereas the median ATAR for males was 68.05.

Of the 46 students who received the top ATAR of 99.95, there were 16 females and 30 males from a mix of government and non-government schools studying a wide range of courses. Candidates awarded an ATAR of 99.95 studied 43 different courses out of the 122 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 69,560 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 69,560 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 scaled means are 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 2019, the number of candidates who were awarded an ATAR in 2019, 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 2019 HSC MARKS BY COURSE – TABLE A2

Table A2 provides information on the distributions of NESA HSC marks in 2019. 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 2019 were similar to those from the HSC 2018. 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 Italian Continuers 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 48.8.

This issue has been discussed in full on page 15-16 of the *Report on the Scaling of the 2018 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 Scaling of the 2018 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 2018 to 2019, 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 2018 to 2019 the distributions of scaled marks are generally stable. Most exceptions are small courses where the candidature can change noticeably from year to year.

Several new courses attracting large candidatures were first examined in 2019. These were English Studies and Mathematics Standard 1, both Category B courses with an optional exam, Investigating Science and Science Extension. As these courses are completely new, there is no comparative data for 2018. Several other courses, including English EAL/D and Mathematics Standard 2 are substantially similar to earlier courses with different names, and in these cases, the tables provide comparisons with the corresponding 2018 course.

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 2019 for ATARs of 99.00 or more, and the frequencies associated with different ATAR classes from 99.00 to 30.00.

Table A8 gives the ATAR corresponding to selected percentiles of the ATAR cohort for 2015 to 2019.

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 2015 to 2019.

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 2019 was 69.75. 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 *All About Your ATAR* booklet, available on UAC's website.

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APPENDIX

COMMENT

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

- Arabic Beginners
- Dutch Continuers
- Filipino Continuers
- Hungarian Continuers
- Indonesian in Context
- Indonesian & Literature
- Korean Continuers
- Malay Background Speakers
- Maltese Continuers
- Swedish Continuers
- Ukrainian Continuers.

Some other courses do not appear in all tables if they have less than the minimum number of candidates required for a particular 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 2019 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: 2018 and 2019 Excludes courses with less than 40 students in either year
Table A5	Distributions of scaled marks by course: 2018 and 2019 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 students
Table A7	ATAR distribution
Table A8	ATAR percentiles: 2015–2019
Table A9	Relationship between the ATAR and aggregates: 2015–2019

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 2019 or in a previous year (and who have done at least one ATAR course in 2019).
- (ii) The **Number HSC** column shows the number of students who completed the course in 2019 or in a previous year and received an HSC award in 2019.
- (iii) The **Number ATAR** column shows the number of students who completed the course in 2019 or in a previous year and who were eligible for an ATAR in 2019.
- (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 2019.
- (vi) The **% ATAR eligible** column shows the percentage of students in the course who were eligible for an ATAR in 2019.
- (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	772	651	405	73.4	84.3	52.5	99.30
Agriculture	1,642	1,567	1,212	56.2	95.4	73.8	99.95
Ancient History	7,386	7,224	6,666	58.3	97.8	90.3	99.95
Biology	19,067	18,634	17,980	63.5	97.7	94.3	99.95
Business Studies	17,966	17,482	16,373	45.9	97.3	91.1	99.95
Chemistry	10,496	10,285	10,233	46.9	98.0	97.5	99.95
Community & Family Studies	8,489	8,267	6,882	90.6	97.4	81.1	99.45
Dance	1,004	946	852	95.0	94.2	84.9	99.55
Design & Technology	3,342	3,216	2,849	42.3	96.2	85.2	99.35
Drama	4,160	4,000	3,556	65.3	96.2	85.5	99.95
Earth & Environmental Science	2,065	2,008	1,820	47.5	97.2	88.1	99.75
Economics	5,146	5,110	5,076	34.0	99.3	98.6	99.95
Engineering Studies	2,299	2,246	2,178	8.3	97.7	94.7	99.90
English Studies Exam	993	897	457	41.0	90.3	46.0	84.35
English Standard	30,688	29,999	27,520	50.8	97.8	89.7	99.55
English Advanced	25,430	25,228	25,070	58.6	99.2	98.6	99.95
English EAL/D	2,163	2,094	1,983	50.4	96.8	91.7	99.95
English Extension 1	3,500	3,488	3,483	70.3	99.7	99.5	99.95
English Extension 2	1,329	1,324	1,321	71.9	99.6	99.4	99.95
Food Technology	3,137	3,041	2,540	76.2	96.9	81.0	99.75
Geography	4,253	4,161	3,864	48.6	97.8	90.9	99.95
Industrial Technology	5,794	5,582	4,051	15.6	96.3	69.9	99.55
Information Processes & Technology	23,09	2,110	1,926	18.4	91.4	83.4	99.95
Investigating Science	2,770	2,671	2,256	40.6	96.4	81.4	98.85
Legal Studies	10,700	10,451	10,002	63.5	97.7	93.5	99.95
Mathematics Standard 1 Exam	1,139	1,067	651	48.3	93.7	57.2	89.15
Mathematics Standard 2	30,090	29,395	26,985	52.0	97.7	89.7	99.55
Mathematics	18,037	16,636	16,569	48.0	92.2	91.9	99.95
Mathematics Extension 1	9,181	8,726	8,721	42.0	95.0	95.0	99.95
Mathematics Extension 2	3,174	3,104	3,104	35.5	97.8	97.8	99.95
Modern History	11,501	11,276	10,567	51.7	98.0	91.9	99.95
History Extension	1,836	1,824	1,822	63.5	99.3	99.2	99.95
Music 1	4,759	4,591	3,933	49.8	96.5	82.6	99.35
Music 2	768	723	720	49.7	94.1	93.8	99.95
Music Extension	423	419	417	51.8	99.1	98.6	99.95
PDH&PE	15,798	15,487	14,174	55.9	98.0	89.7	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
Physics	8,532	8,383	8,323	22.6	98.3	97.6	99.95
Science Extension	668	667	666	55.1	99.9	99.7	99.95
Society & Culture	4,865	4,715	4,388	81.6	96.9	90.2	99.95
Software Design & Development	1,870	1,774	1,695	11.1	94.9	90.6	99.95
Studies of Religion I	8,934	8,370	8,206	54.7	93.7	91.9	99.95
Studies of Religion II	6,262	6,078	5,968	64.0	97.1	95.3	99.85
Textiles & Design	1,289	1,254	1,117	97.1	97.3	86.7	99.35
Visual Arts	8,681	8,394	7,263	73.2	96.7	83.7	99.95
Arabic Continuers	324	294	254	65.7	90.7	78.4	99.35
Arabic Extension	114	107	98	76.3	93.9	86.0	94.75
Armenian Continuers	32	18	18	46.9	56.3	56.3	90.30
Chinese Beginners	38	38	34	73.7	100.0	89.5	99.30
Chinese Continuers	186	180	178	52.2	96.8	95.7	99.95
Chinese Extension	27	27	27	33.3	100.0	100.0	99.95
Chinese & Literature	584	578	574	57.4	99.0	98.3	99.95
Chinese in Context	107	106	106	73.8	99.1	99.1	99.25
Classical Greek Continuers	19	14	14	73.7	73.7	73.7	99.95
Classical Greek Extension	13	11	11	69.2	84.6	84.6	99.95
Classical Hebrew Continuers	20	20	20	80.0	100.0	100.0	99.65
Classical Hebrew Extension	13	13	13	76.9	100.0	100.0	99.65
Croatian Continuers	13	13	12	69.2	100.0	92.3	90.35
French Beginners	481	470	426	74.8	97.7	88.6	99.00
French Continuers	695	649	642	72.7	93.4	92.4	99.95
French Extension	182	180	178	68.1	98.9	97.8	99.95
German Beginners	95	92	85	63.2	96.8	89.5	98.60
German Continuers	221	202	200	54.3	91.4	90.5	99.95
German Extension	48	46	46	47.9	95.8	95.8	99.95
Hindi Continuers	25	21	21	48.0	84.0	84.0	98.80
Indonesian Beginners	29	28	25	65.5	96.6	86.2	96.80
Indonesian Continuers	72	71	71	73.6	98.6	98.6	99.35
Indonesian Extension	13	13	13	30.8	100.0	100.0	99.35
Italian Beginners	275	272	255	72.0	98.9	92.7	98.75
Italian Continuers	291	267	263	66.3	91.8	90.4	99.90
Italian Extension	54	51	51	61.1	94.4	94.4	99.90
Japanese Beginners	684	666	637	61.1	97.4	93.1	99.65
Japanese Continuers	652	620	606	64.4	95.1	92.9	99.95
Japanese Extension	146	143	142	68.5	97.9	97.3	99.95
Japanese & Literature	14	14	14	42.9	100.0	100.0	95.45
Japanese in Context	27	26	26	63.0	96.3	96.3	93.80
Khmer Continuers	11	11	11	90.9	100.0	100.0	98.80
Korean Beginners	117	115	115	83.8	98.3	98.3	99.15
Korean & Literature	22	21	22	63.6	95.5	100.0	93.75
Korean in Context	47	44	44	68.1	93.6	93.6	99.80
Latin Continuers	133	130	130	45.1	97.7	97.7	99.95
Latin Extension	83	82	82	48.2	98.8	98.8	99.95
Macedonian Continuers	12	12	12	50.0	100.0	100.0	86.15

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	87	87	85	59.8	100.0	97.7	97.20
Modern Greek Continuers	103	84	83	64.1	81.6	80.6	99.50
Modern Greek Extension	50	42	41	72.0	84.0	82.0	99.40
Modern Hebrew Continuers	44	35	35	61.4	79.5	79.5	99.65
Persian Continuers	31	30	24	71.0	96.8	77.4	95.15
Polish Continuers	19	17	17	52.6	89.5	89.5	93.15
Portuguese Continuers	21	19	18	66.7	90.5	85.7	97.75
Punjabi Continuers	15	15	15	93.3	100.0	100.0	98.05
Russian Continuers	29	22	22	65.5	75.9	75.9	94.50
Serbian Continuers	25	24	24	68.0	96.0	96.0	97.20
Spanish Beginners	261	258	237	78.5	98.9	90.8	99.95
Spanish Continuers	175	169	162	66.9	96.6	92.6	99.30
Spanish Extension	50	48	48	68.0	96.0	96.0	96.85
Swedish Continuers	17	9	9	70.6	52.9	52.9	97.95
Tamil Continuers	51	28	28	66.7	54.9	54.9	99.10
Turkish Continuers	46	35	35	65.2	76.1	76.1	98.70
Vietnamese Continuers	177	168	157	52.5	94.9	88.7	98.90
Automotive Exam	277	238	136	7.6	85.9	49.1	87.25
Business Services Exam	1,183	1,099	932	72.9	92.9	78.8	96.85
Construction Exam	1,661	1,598	1,181	4.5	96.2	71.1	96.85
Electrotechnology Exam	245	232	164	3.3	94.7	66.9	88.05
Entertainment Industry Exam	742	716	632	50.3	96.5	85.2	95.45
Financial Services Exam	65	56	53	44.6	86.2	81.5	96.25
Hospitality Exam	4,757	4,410	3,954	71.6	92.7	83.1	97.65
Human Services Exam	746	734	664	93.0	98.4	89.0	96.55
Information & Digital Technology Exam	545	505	431	16.7	92.7	79.1	95.40
Metal & Engineering Exam	306	270	168	5.9	88.2	54.9	87.80
Primary Industries Exam	650	587	442	54.5	90.3	68.0	99.05
Retail Services Exam	949	846	731	69.3	89.1	77.0	96.40
Tourism, Travel & Events Exam	189	181	156	87.3	95.8	82.5	94.35
Total	69,560	63,302	55,031	52.8	91.0	79.1	99.95

Table A2 Distributions of 2019 HSC marks by course

- Notes: (i) The **Number** column shows the number of students who completed the course in 2019.
(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	699	68	3	11	18	17	26	20
Agriculture	1,579	73	4	10	22	29	23	12
Ancient History	7,233	75	4	9	27	30	19	10
Biology	18,667	73	4	7	24	29	24	12
Business Studies	17,586	74	4	9	24	29	22	11
Chemistry	10,277	78	4	16	30	21	21	9
Community & Family Studies	8,406	76	4	5	32	33	19	9
Dance	969	80	5	13	41	28	14	2
Design & Technology	3,221	79	4	14	32	36	13	4
Drama	4,080	78	4	15	29	40	14	2
Earth & Environmental Science	2,033	75	4	6	26	36	19	10
Economics	5,100	80	5	15	37	23	18	6
Engineering Studies	2,257	75	4	9	23	38	22	7
English Studies Exam	993	55	2		<1	4	32	41
English Standard	30,228	70	4	1	11	40	36	11
English Advanced	25,251	82	5	13	48	30	7	1
English EAL/D	2,138	72	4	4	20	35	27	10
English Extension 1	3,490	43	E3			34	60	6
English Extension 2	1,326	40	E3			26	54	19
Food Technology	3,068	75	4	8	25	34	23	8
Geography	4,188	78	4	10	33	29	15	8
Industrial Technology	5,702	69	3	6	16	28	30	15
Information Processes & Technology	2,098	75	4	11	24	28	22	9
Investigating Science	2,770	71	4	3	21	31	25	14
Legal Studies	10,516	76	4	14	28	24	19	10
Mathematics Standard 1 Exam	1,139	71	4	3	14	39	28	13
Mathematics Standard 2	29,656	72	4	5	19	32	27	13
Mathematics	17,311	79	4	24	26	29	14	5
Mathematics Extension 1	8,830	43	E3			39	41	15
Mathematics Extension 2	3,134	85	E3			36	50	11
Modern History	11,329	76	4	10	30	27	20	9
History Extension	1,825	40	E3			28	49	22
Music 1	4,676	84	5	22	44	25	7	1
Music 2	730	88	5	41	50	9	<1	0
Music Extension	417	47	E4			66	31	2
PDH&PE	15,545	74	4	6	25	31	26	9

Table A2 Distributions of 2019 HSC marks by course

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Physics	8,404	75	4	12	25	27	21	10
Science Extension	668	37	E3			7	62	31
Society & Culture	4,769	78	4	12	32	34	15	5
Software Design & Development	1,796	77	4	15	29	27	16	9
Studies of Religion I	8,475	39	4	11	35	33	17	3
Studies of Religion II	6,046	78	4	7	37	35	14	5
Textiles & Design	1,274	81	5	16	37	28	13	5
Visual Arts	8,526	82	5	16	47	27	8	2
Arabic Continuers	322	82	5	15	47	26	8	2
Arabic Extension	113	39	E3			22	48	30
Armenian Continuers	22	82	5	9	55	36	0	0
Chinese Beginners	38	73	4	24	13	24	21	11
Chinese Continuers	178	87	5	40	39	13	5	2
Chinese Extension	27	47	E4			70	26	4
Chinese & Literature	576	83	5	19	51	27	2	1
Chinese in Context	107	89	5	50	40	10	0	0
Classical Greek Continuers	19	91	6	63	32	5	0	0
Classical Greek Extension	13	47	E4			69	23	8
Classical Hebrew Continuers	15	94	6	67	20	7	7	0
Classical Hebrew Extension	11	47	E4			82	18	0
Croatian Continuers	13	80	5	8	46	31	15	0
French Beginners	479	78	4	24	24	20	17	10
French Continuers	648	85	5	31	34	23	10	3
French Extension	177	42	E3			29	59	12
German Beginners	95	77	4	24	18	31	23	4
German Continuers	209	82	5	22	34	33	10	1
German Extension	47	43	E3			43	57	0
Hindi Continuers	18	90	6	50	33	17	0	0
Indonesian Beginners	29	82	5	31	21	24	17	3
Indonesian Continuers	72	82	5	14	38	26	21	1
Indonesian Extension	13	42	E3			31	69	0
Italian Beginners	274	75	4	15	18	33	23	7
Italian Continuers	265	82	5	25	34	24	11	3
Italian Extension	52	45	E4			56	44	0
Japanese Beginners	677	77	4	14	29	23	15	12
Japanese Continuers	617	83	5	28	33	22	14	3
Japanese Extension	138	44	E3			46	43	10
Japanese & Literature	14	84	5	29	43	29	0	0
Japanese in Context	27	82	5	15	63	22	0	0
Khmer Continuers	10	87	5	30	60	10	0	0
Korean Beginners	116	82	5	24	34	23	15	3
Korean & Literature	22	87	5	36	45	18	0	0

Table A2 Distributions of 2019 HSC marks by course

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Korean in Context	47	91	6	55	34	9	2	0
Latin Continuers	131	90	6	51	38	8	2	0
Latin Extension	83	47	E4			77	23	0
Macedonian Continuers	12	78	4	17	25	50	0	8
Modern Greek Beginners	87	87	5	37	38	15	7	3
Modern Greek Continuers	80	89	5	48	31	18	3	1
Modern Greek Extension	42	38	E3			21	45	31
Modern Hebrew Continuers	39	92	6	62	31	5	0	3
Persian Continuers	30	80	5	17	33	50	0	0
Polish Continuers	17	91	6	65	35	0	0	0
Portuguese Continuers	21	87	5	33	48	19	0	0
Punjabi Continuers	15	88	5	33	60	7	0	0
Russian Continuers	29	90	6	55	38	7	0	0
Serbian Continuers	25	89	5	40	52	8	0	0
Spanish Beginners	259	75	4	18	19	27	20	12
Spanish Continuers	172	79	4	7	40	34	16	1
Spanish Extension	48	42	E3			25	69	6
Tamil Continuers	23	91	6	65	35	0	0	0
Turkish Continuers	32	88	5	44	34	9	13	0
Vietnamese Continuers	175	83	5	8	61	23	6	1
Automotive Exam	259	68	3	4	15	24	38	16
Business Services Exam	1,119	77	4	6	32	40	18	3
Construction Exam	1,614	74	4	1	24	42	23	9
Electrotechnology Exam	239	71	4	2	14	40	28	17
Entertainment Industry Exam	735	77	4	9	33	36	17	5
Financial Services Exam	62	72	4	2	31	21	42	2
Hospitality Exam	4,518	74	4	4	30	31	24	9
Human Services Exam	735	69	3	1	7	39	41	11
Information & Digital Technology Exam	483	75	4	2	24	54	18	2
Metal & Engineering Exam	276	65	3	<1	5	29	34	25
Primary Industries Exam	567	75	4	5	20	49	23	2
Retail Services Exam	841	70	4	1	12	40	33	14
Tourism, Travel & Events Exam	188	73	4	2	16	48	31	3

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 2019.
(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	699	HSC	34.5	8.0	49.0	48.5	45.0	41.0	34.0	29.5
		scaled	14.4	12.5	44.3	43.3	35.3	23.3	9.8	4.2
Agriculture	1,579	HSC	36.2	6.6	49.0	48.0	44.5	41.0	36.5	32.0
		scaled	18.9	11.3	45.7	43.5	35.9	27.2	17.4	9.9
Ancient History	7,233	HSC	36.5	7.0	49.5	47.5	44.5	41.5	37.5	32.5
		scaled	23.9	11.0	49.8	45.3	38.5	32.3	24.3	15.5
Biology	18,667	HSC	36.2	6.2	48.5	46.5	44.0	41.0	36.5	32.0
		scaled	25.9	9.9	49.7	45.2	39.0	33.5	26.2	18.5
Business Studies	17,586	HSC	36.3	6.7	49.5	47.5	44.5	41.5	37.0	32.0
		scaled	24.0	10.9	49.3	44.5	38.7	32.8	24.0	15.3
Chemistry	10,277	HSC	37.9	6.7	50.0	48.0	46.0	43.5	39.0	33.0
		scaled	31.4	9.9	50.0	46.7	43.1	39.3	33.1	24.5
Community & Family Studies	8,406	HSC	37.2	5.4	49.5	47.0	43.5	41.5	38.0	34.0
		scaled	18.8	10.5	44.2	41.0	33.8	27.0	18.2	10.1
Dance	969	HSC	39.5	5.2	50.0	49.0	45.5	43.5	40.0	36.5
		scaled	23.4	10.8	47.4	44.6	38.0	32.1	23.3	15.0
Design & Technology	3,221	HSC	39.2	5.3	49.5	48.5	45.5	43.0	39.5	36.0
		scaled	22.4	10.4	47.3	44.5	37.0	30.4	21.8	14.3
Drama	4,080	HSC	39.3	4.7	50.0	48.5	46.0	43.0	39.0	36.0
		scaled	23.6	11.0	49.9	46.8	39.0	32.0	22.9	15.1
Earth & Environmental Science	2,033	HSC	36.5	6.0	48.5	46.5	43.5	40.5	37.5	33.0
		scaled	23.0	10.6	48.3	44.4	37.1	31.1	23.2	14.7
Economics	5,100	HSC	38.9	5.9	50.0	48.0	45.5	43.5	40.0	34.5
		scaled	31.8	9.5	50.0	46.4	42.8	39.2	33.6	25.8
Engineering Studies	2,257	HSC	37.4	5.2	48.5	47.5	44.5	41.0	37.5	34.0
		scaled	25.8	9.7	48.8	45.6	38.8	33.2	25.8	18.9
English Studies Exam	993	HSC	25.7	7.8	41.0	37.0	32.5	30.5	27.5	25.0
		scaled	7.7	6.0	33.4	24.4	15.3	11.7	6.5	2.7
English Standard	30,228	HSC	34.8	4.4	49.5	44.5	40.0	38.0	35.0	32.0
		scaled	20.1	8.4	50.0	39.9	31.2	25.8	19.8	14.1
English Advanced	25,251	HSC	40.6	3.9	49.5	47.5	45.5	43.5	41.0	38.0
		scaled	31.9	8.2	49.8	46.4	41.8	38.0	32.9	26.9
English EAL/D	2,138	HSC	35.6	5.8	49.5	46.5	42.5	39.5	36.0	32.0
		scaled	22.2	11.0	48.7	45.4	37.6	30.4	22.0	13.4
English Extension 1	3,490	HSC	42.1	4.4	50.0	49.0	47.0	45.0	43.0	40.0
		scaled	36.4	6.4	50.0	47.5	44.1	41.1	37.1	32.5
English Extension 2	1,326	HSC	39.8	5.7	50.0	49.0	47.0	45.0	40.0	35.0
		scaled	36.2	6.9	50.0	48.8	45.1	41.7	36.5	31.3
Food Technology	3,068	HSC	37.1	5.7	49.5	48.0	44.5	41.0	37.5	33.5
		scaled	19.9	11.3	46.9	43.8	36.1	28.5	19.1	10.4

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	4,188	HSC	37.6	6.7	49.0	47.0	45.0	42.5	39.0	34.0
		scaled	25.2	11.1	50.0	45.5	39.4	34.0	26.0	16.9
Industrial Technology	5,702	HSC	34.7	6.4	50.0	47.5	43.0	39.0	34.5	30.5
		scaled	17.2	9.9	41.2	38.8	31.6	24.6	16.2	9.1
Information Processes & Technology	2,098	HSC	36.5	7.0	49.0	48.0	45.0	41.5	37.5	32.5
		scaled	21.6	11.1	48.1	44.8	36.9	30.0	21.6	12.7
Investigating Science	2,770	HSC	34.6	6.8	48.0	45.5	42.5	39.5	35.5	31.0
		scaled	18.6	10.2	43.6	39.2	32.7	26.4	18.6	10.1
Legal Studies	10,516	HSC	37.0	7.2	50.0	48.0	45.5	42.5	38.0	32.5
		scaled	25.2	10.9	50.0	45.5	39.3	34.0	25.9	16.8
Mathematics Standard 1 Exam	1,139	HSC	35.0	5.8	48.5	46.0	41.5	38.5	35.5	31.5
		scaled	11.7	8.8	33.4	32.2	25.4	17.4	10.0	4.1
Mathematics Standard 2	29,656	HSC	35.5	5.9	50.0	47.0	43.0	39.5	36.0	31.5
		scaled	21.8	10.1	45.8	41.7	35.8	29.9	21.5	13.7
Mathematics	17,311	HSC	39.2	6.7	50.0	49.0	47.0	44.5	39.5	35.5
		scaled	31.1	9.6	50.0	47.2	42.6	38.3	32.3	25.2
Mathematics Extension 1	8,830	HSC	40.3	7.9	50.0	49.5	48.0	46.0	43.0	36.0
		scaled	39.1	7.0	50.0	48.6	46.2	44.1	40.7	35.9
Mathematics Extension 2	3,134	HSC	41.0	6.7	50.0	49.0	47.5	46.0	42.5	38.0
		scaled	42.9	4.5	50.0	49.0	47.3	45.9	43.7	41.1
Modern History	11,329	HSC	36.9	6.8	49.5	47.5	44.5	42.0	38.0	33.0
		scaled	25.6	11.0	50.0	46.0	39.8	34.3	26.3	17.2
History Extension	1,825	HSC	39.4	6.3	50.0	49.0	47.0	45.0	40.0	35.0
		scaled	33.7	6.9	49.9	46.4	42.0	38.7	34.3	29.1
Music 1	4,676	HSC	41.1	4.6	50.0	48.5	46.5	44.5	42.0	38.5
		scaled	21.2	10.7	46.6	43.0	36.1	29.3	20.9	12.7
Music 2	730	HSC	44.0	3.0	50.0	49.5	48.0	46.5	44.0	42.0
		scaled	33.3	8.5	50.0	48.1	44.5	40.2	33.9	26.8
Music Extension	417	HSC	45.5	4.3	50.0	50.0	50.0	49.0	47.0	43.0
		scaled	35.3	9.4	50.0	50.0	48.2	43.9	35.3	28.6
PDH&PE	15,545	HSC	36.5	5.7	49.0	46.5	44.0	41.0	37.0	32.5
		scaled	23.0	10.3	48.1	43.4	36.9	31.0	23.1	14.8
Physics	8,404	HSC	36.8	6.7	49.5	47.5	45.5	42.0	37.5	32.5
		scaled	30.5	9.7	50.0	46.5	42.3	38.2	31.8	23.8
Science Extension	668	HSC	36.8	4.9	48.0	47.0	43.0	40.0	37.0	33.0
		scaled	33.2	7.1	50.0	47.8	42.4	38.4	33.8	28.4
Society & Culture	4,769	HSC	38.6	5.5	49.5	48.0	45.5	42.5	39.0	35.5
		scaled	23.1	10.8	48.6	45.5	38.1	31.6	22.6	14.7
Software Design & Development	1,796	HSC	37.8	6.7	49.0	48.0	45.5	43.0	38.5	33.5
		scaled	25.7	10.7	49.8	46.1	39.3	34.2	26.4	17.4
Studies of Religion I	8,475	HSC	38.6	5.0	50.0	48.0	45.0	42.0	39.0	35.0
		scaled	27.9	8.9	48.3	45.0	39.3	34.8	28.4	21.5
Studies of Religion II	6,046	HSC	38.5	5.1	49.5	47.0	44.5	42.0	39.0	35.5
		scaled	27.6	9.9	50.0	45.8	40.1	35.2	28.6	20.8

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	1,274	HSC	39.5	5.6	50.0	49.0	46.0	43.5	40.5	36.5
		scaled	22.9	11.2	48.6	46.0	38.0	31.8	23.0	14.3
Visual Arts	8,526	HSC	40.6	4.3	50.0	48.0	45.5	44.0	41.0	38.0
		scaled	22.3	11.1	49.2	45.7	38.0	30.9	21.7	13.3
Arabic Continuers	322	HSC	40.2	5.0	48.5	47.5	45.5	43.5	41.0	38.0
		scaled	16.5	11.5	44.5	41.8	34.5	24.2	14.6	6.8
Arabic Extension	113	HSC	39.1	5.2	48.0	48.0	46.0	44.0	39.0	34.0
		scaled	20.1	9.0	41.7	40.6	31.7	26.3	19.9	12.2
Armenian Continuers	22	HSC	41.1	2.8	46.5					
		scaled	26.8	11.7	50.0					
Chinese Beginners	38	HSC	36.9	7.8	48.5					
		scaled	20.9	14.8	48.3					
Chinese Continuers	178	HSC	42.7	4.8	49.5	49.0	48.0	46.5	43.0	40.0
		scaled	32.6	9.7	50.0	48.0	44.7	40.4	32.2	26.7
Chinese Extension	27	HSC	44.9	3.9	49.0					
		scaled	38.1	7.9	50.0					
Chinese & Literature	576	HSC	41.5	3.4	48.0	47.0	45.5	44.0	41.5	39.5
		scaled	24.8	10.8	50.0	48.0	39.4	33.3	24.5	16.6
Chinese in Context	107	HSC	44.3	2.8	49.0	48.5	47.5	46.5	44.5	42.5
		scaled	30.4	9.8	50.0	47.8	43.4	38.2	31.0	23.1
Classical Greek Continuers	19	HSC	44.8	3.2	49.5					
		scaled	39.4	7.7	50.0					
Classical Greek Extension	13	HSC	45.5	3.7	48.0					
		scaled	39.6	10.4	50.0					
Classical Hebrew Continuers	15	HSC	44.7	4.5	48.5					
		scaled	32.8	11.3	50.0					
Classical Hebrew Extension	11	HSC	45.8	3.7	50.0					
		scaled	36.3	8.6	50.0					
Croatian Continuers	13	HSC	40.1	4.0	47.5					
		scaled	24.4	11.2	50.0					
French Beginners	479	HSC	37.7	8.5	50.0	49.5	47.5	44.5	39.0	32.5
		scaled	23.7	11.2	47.9	46.6	38.9	32.7	24.3	14.8
French Continuers	648	HSC	41.3	5.2	49.5	49.0	47.5	45.5	42.5	38.0
		scaled	34.6	8.1	50.0	48.2	44.7	40.8	35.8	29.6
French Extension	177	HSC	40.6	5.3	48.0	48.0	46.0	45.0	42.0	37.0
		scaled	40.1	5.3	50.0	50.0	46.0	43.7	41.0	36.9
German Beginners	95	HSC	39.0	6.0	50.0	50.0	47.0	44.0	38.5	34.5
		scaled	26.0	10.6	50.0	50.0	39.9	33.0	25.5	16.8
German Continuers	209	HSC	40.7	4.7	49.0	48.5	46.5	44.5	41.0	37.5
		scaled	33.8	8.7	50.0	48.6	43.9	40.2	35.0	28.4
German Extension	47	HSC	43.3	3.4	50.0	50.0	47.0	46.0	43.0	41.0
		scaled	39.8	4.9	50.0	50.0	45.5	43.5	39.8	36.3
Hindi Continuers	18	HSC	43.9	3.1	47.5					
		scaled	30.5	10.5	50.0					
Indonesian Beginners	29	HSC	39.3	8.4	48.5					
		scaled	22.8	12.7	46.5					

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
Indonesian Continuers	72	HSC	39.6	5.3	48.5	48.5	46.0	43.5	40.5	35.5
		scaled	30.4	9.6	50.0	50.0	42.0	37.1	30.8	22.9
Indonesian Extension	13	HSC	42.2	3.6	48.0					
		scaled	34.5	6.6	49.2					
Italian Beginners	274	HSC	37.0	6.5	49.0	48.5	45.5	41.5	37.5	33.0
		scaled	25.6	10.8	49.5	46.8	40.6	33.7	25.4	17.6
Italian Continuers	265	HSC	39.6	7.8	49.0	49.0	46.5	44.5	41.0	36.5
		scaled	30.4	10.1	50.0	48.8	41.9	37.7	31.2	24.1
Italian Extension	52	HSC	43.9	3.0	48.0	48.0	47.0	46.0	45.0	42.0
		scaled	38.3	5.0	50.0	50.0	43.9	41.5	38.9	34.8
Japanese Beginners	677	HSC	36.7	8.4	49.0	48.5	45.5	43.0	38.5	32.5
		scaled	23.7	10.9	47.9	45.1	37.6	32.6	24.4	16.1
Japanese Continuers	617	HSC	40.5	5.9	49.5	49.0	47.5	45.0	41.5	36.5
		scaled	31.2	10.1	50.0	48.2	44.1	39.3	32.5	24.1
Japanese Extension	138	HSC	42.2	5.2	50.0	49.0	48.0	47.0	43.0	38.0
		scaled	38.4	5.1	50.0	48.2	44.4	42.7	38.7	34.9
Japanese & Literature	14	HSC	42.4	3.5	48.5					
		scaled	24.3	9.4	44.0					
Japanese in Context	27	HSC	41.6	2.3	46.0					
		scaled	28.3	7.6	44.5					
Khmer Continuers	10	HSC	43.4	2.0	46.5					
		scaled	26.2	13.2	50.0					
Korean Beginners	116	HSC	39.9	5.6	49.0	48.0	47.0	44.5	41.0	36.0
		scaled	27.1	9.7	46.9	43.4	39.9	34.2	27.6	20.3
Korean & Literature	22	HSC	43.0	2.8	47.5					
		scaled	22.7	12.7	48.2					
Korean in Context	47	HSC	44.6	3.6	49.5	49.5	48.5	47.5	45.5	42.0
		scaled	28.8	9.8	50.0	50.0	41.9	36.5	28.6	21.0
Latin Continuers	131	HSC	44.2	3.5	49.5	49.5	48.0	46.5	45.0	42.5
		scaled	40.8	7.0	50.0	49.7	48.2	45.9	42.8	37.2
Latin Extension	83	HSC	46.0	2.8	50.0	50.0	49.0	48.0	47.0	45.0
		scaled	42.3	6.3	50.0	50.0	48.9	47.3	44.3	38.9
Macedonian Continuers	12	HSC	40.0	4.6	47.5					
		scaled	24.2	9.7	43.8					
Modern Greek Beginners	87	HSC	42.1	5.3	49.0	49.0	47.5	45.5	43.5	39.5
		scaled	27.7	10.6	46.8	46.8	41.2	35.5	28.8	19.6
Modern Greek Continuers	80	HSC	43.6	4.2	49.5	49.5	48.5	46.5	44.5	41.0
		scaled	24.7	9.5	45.0	45.0	37.9	30.2	24.3	17.6
Modern Greek Extension	42	HSC	37.9	6.6	50.0	50.0	46.0	44.0	37.0	33.0
		scaled	28.2	7.0	44.2	44.2	36.8	34.0	27.5	22.9
Modern Hebrew Continuers	39	HSC	44.7	3.6	49.0					
		scaled	35.6	8.3	50.0					
Persian Continuers	30	HSC	40.7	3.4	48.5					
		scaled	19.5	8.8	38.8					
Polish Continuers	17	HSC	46.0	2.5	49.5					
		scaled	26.8	12.7	47.4					

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
Portuguese Continuers	21	HSC	43.0	3.0	47.0					
		scaled	29.8	9.8	44.3					
Punjabi Continuers	15	HSC	43.5	2.6	48.0					
		scaled	26.5	9.0	46.6					
Russian Continuers	29	HSC	44.1	2.7	47.0					
		scaled	30.1	9.1	44.4					
Serbian Continuers	25	HSC	44.2	2.7	48.5					
		scaled	24.8	11.4	48.0					
Spanish Beginners	259	HSC	37.1	7.1	49.5	48.5	46.0	43.0	37.5	32.5
		scaled	25.2	12.1	50.0	46.2	41.8	35.5	25.4	16.5
Spanish Continuers	172	HSC	39.0	4.6	47.5	47.0	44.5	43.0	39.5	36.0
		scaled	26.0	10.7	49.8	48.4	40.3	35.0	25.5	18.6
Spanish Extension	48	HSC	41.5	3.7	47.0	47.0	46.0	44.0	42.0	39.0
		scaled	33.0	7.2	47.8	47.8	42.0	37.6	32.9	27.4
Turkish Continuers	32	HSC	42.6	4.6	48.5					
		scaled	22.9	11.2	46.9					
Vietnamese Continuers	175	HSC	40.7	4.2	48.0	48.0	44.5	43.5	41.5	39.0
		scaled	19.3	10.8	45.6	45.2	33.5	27.2	19.3	11.0
Automotive Exam	259	HSC	34.3	5.7	47.0	46.0	42.0	38.5	34.0	31.0
		scaled	14.3	9.0	36.3	35.5	28.3	20.9	12.5	7.2
Business Services Exam	1,119	HSC	38.0	5.1	48.5	47.0	43.5	41.5	38.5	35.5
		scaled	18.9	10.4	44.1	42.1	33.4	26.0	18.2	10.7
Construction Exam	1,614	HSC	36.6	4.6	48.0	45.5	42.0	40.0	37.0	33.5
		scaled	16.0	9.6	39.5	36.8	29.4	23.4	15.4	7.6
Electrotechnology Exam	239	HSC	35.1	4.8	47.0	46.0	41.5	38.0	35.5	31.0
		scaled	17.1	9.4	39.9	39.2	31.0	22.5	16.5	8.5
Entertainment Industry Exam	735	HSC	38.4	4.9	49.0	47.0	44.5	42.0	38.5	35.5
		scaled	20.6	9.2	43.0	40.8	33.2	27.2	20.2	13.9
Financial Services Exam	62	HSC	35.9	5.8	45.0	45.0	42.0	40.5	35.5	33.0
		scaled	22.7	9.7	45.7	45.7	35.9	29.7	21.2	15.9
Hospitality Exam	4,518	HSC	36.4	5.8	48.5	46.5	43.0	40.5	37.0	33.0
		scaled	19.1	10.1	43.9	41.2	32.6	26.8	18.7	10.8
Human Services Exam	735	HSC	34.3	4.4	46.5	44.5	39.5	37.0	34.5	31.5
		scaled	19.5	9.5	42.4	40.8	33.2	26.4	18.0	11.8
Information & Digital Technology Exam	483	HSC	37.4	4.0	48.5	45.0	42.5	40.0	37.5	35.5
		scaled	17.9	9.0	39.9	36.5	30.9	25.2	17.3	10.6
Metal & Engineering Exam	276	HSC	32.0	6.1	45.0	43.0	38.5	36.0	32.5	28.5
		scaled	15.7	9.5	38.9	37.3	29.0	22.6	14.4	7.2
Primary Industries Exam	567	HSC	37.3	4.1	48.0	46.5	43.0	40.0	37.5	34.5
		scaled	16.9	9.7	40.6	39.4	31.4	24.0	16.0	8.5
Retail Services Exam	841	HSC	34.5	4.7	46.0	44.0	40.0	37.5	35.0	31.5
		scaled	17.4	10.0	41.8	40.2	32.2	23.9	16.1	9.1
Tourism, Travel & Events Exam	188	HSC	36.3	3.7	47.0	45.5	42.0	38.5	36.5	34.0
		scaled	21.7	9.0	43.4	41.9	35.7	27.9	21.2	14.4

Table A4 Distributions of HSC marks by course: 2018 and 2019

- 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.
(iv) For new subjects examined for the first time in 2019, there is no comparative data for 2018.

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Aboriginal Studies	2019	699	89.0	71.0	53.8	27.9	8.3
	2018	625	90.1	76.2	56.0	35.0	8.2
Agriculture	2019	1,579	90.2	68.6	39.8	16.5	4.6
	2018	1,396	93.1	67.5	38.0	18.1	5.9
Ancient History	2019	7,233	90.7	64.0	34.3	15.0	5.5
	2018	8,177	90.4	63.5	36.7	15.1	4.5
Biology	2019	18,667	92.6	68.5	39.6	15.4	3.3
	2018	18,105	91.3	62.9	29.8	10.1	3.7
Business Studies	2019	17,586	90.6	66.6	37.9	16.2	4.8
	2018	17,611	91.5	62.6	34.9	12.4	2.2
Chemistry	2019	10,277	83.9	53.8	32.6	11.9	2.9
	2018	11,133	90.8	57.8	30.0	11.1	1.9
Community & Family Studies	2019	8,406	95.1	63.0	30.0	10.5	1.5
	2018	8,029	96.0	70.6	37.2	13.3	2.6
Dance	2019	969	86.9	45.9	17.5	3.5	1.0
	2018	922	86.2	44.6	16.1	4.9	1.7
Design & Technology	2019	3,221	85.6	53.3	17.8	4.7	1.0
	2018	3,305	88.2	53.2	16.4	3.3	0.6
Drama	2019	4,080	84.9	56.3	15.8	1.7	0.1
	2018	4,216	86.2	57.5	17.8	2.3	0.2
Earth & Environmental Science	2019	2,033	94.3	68.7	33.2	13.8	3.9
	2018	1,574	94.6	62.1	29.2	9.6	2.0
Economics	2019	5,100	84.7	48.1	25.3	7.5	1.4
	2018	5,190	86.8	53.4	27.6	7.6	1.5
Engineering Studies	2019	2,257	90.7	68.1	30.1	7.8	0.7
	2018	1,996	91.0	63.9	28.6	8.8	2.3
English Studies Exam	2019	993	100.0	99.9	96.2	64.5	23.2
	2018	-					
English Standard	2019	30,228	99.3	88.2	47.9	12.3	1.4
	2018	30,558	99.1	84.8	49.4	15.1	3.1
English Advanced	2019	25,251	86.5	38.1	8.1	1.0	0.1
	2018	26,127	86.2	37.3	9.5	1.4	0.2
English EAL/D	2019	2,138	96.1	76.3	41.2	13.8	3.6
English ESL	2018	2,311	96.9	74.4	43.1	15.3	3.9
English Extension 1	2019	3,490	65.8	24.6	5.8	1.2	0.2
	2018	4,064	62.1	21.6	4.3	0.7	0.2
English Extension 2	2019	1,326	73.8	48.0	19.8	3.3	0.4
	2018	1,525	83.3	59.9	28.6	6.3	1.0
Food Technology	2019	3,068	91.5	66.3	32.3	9.6	1.6
	2018	3,144	89.8	67.1	37.2	13.8	2.6

Table A4 Distributions of HSC marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Geography	2019	4,188	89.6	56.4	27.4	12.5	4.2
	2018	4,427	91.6	56.3	25.9	11.7	4.2
Industrial Technology	2019	5,702	94.4	78.5	50.4	20.2	4.9
	2018	5,712	93.8	77.4	51.2	23.4	7.8
Information Processes & Technology	2019	2,098	89.3	65.1	36.8	14.6	5.6
	2018	2,496	93.1	62.5	32.0	12.7	4.2
Investigating Science	2019	2,770	97.5	76.5	45.8	20.9	7.2
	2018	-					
Legal Studies	2019	10,516	86.4	58.4	34.3	15.7	5.7
	2018	10,309	87.7	55.5	27.0	14.2	3.9
Mathematics Standard 1 Exam	2019	1,139	96.9	82.4	43.2	15.6	2.8
	2018	-					
Mathematics Standard 2	2019	29,656	94.8	75.7	43.3	16.4	2.9
Mathematics General	2018	30,824	93.4	73.1	46.9	20.1	5.4
Mathematics	2019	17,311	76.4	50.7	21.5	7.6	2.6
	2018	17,825	77.5	48.1	22.1	7.4	2.0
Mathematics Extension 1	2019	8,830	60.9	36.6	19.7	9.6	4.4
	2018	9,021	67.1	40.4	20.1	9.5	3.6
Mathematics Extension 2	2019	3,134	64.2	32.5	14.1	7.0	3.0
	2018	3,164	66.8	34.3	14.4	5.9	2.1
Modern History	2019	11,329	90.2	60.3	33.4	13.6	4.4
	2018	11,089	89.5	57.8	28.4	14.8	6.2
History Extension	2019	1,825	72.3	45.7	23.2	7.1	1.5
	2018	1,788	76.3	48.6	21.1	4.5	1.5
Music 1	2019	4,676	77.8	33.7	9.0	1.8	0.4
	2018	4,462	78.9	35.1	9.7	1.6	0.3
Music 2	2019	730	58.8	9.0	0.1	0.0	0.0
	2018	735	58.4	8.6	0.3	0.0	0.0
Music Extension	2019	417	33.6	11.0	2.2	0.5	0.0
	2018	451	33.0	13.3	4.0	0.9	0.2
PDH&PE	2019	15,545	93.7	68.5	37.7	11.5	2.4
	2018	15,986	93.2	66.5	38.8	13.6	3.5
Physics	2019	8,404	87.6	63.0	35.6	14.3	4.0
	2018	9,454	90.4	66.1	34.7	12.9	2.7
Science Extension	2019	668	93.4	71.3	31.6	7.0	0.4
	2018	-					
Society & Culture	2019	4,769	87.6	55.5	21.4	6.2	1.5
	2018	4,520	87.3	52.6	22.3	6.9	1.9
Software Design & Development	2019	1,796	84.9	55.5	28.8	12.9	3.5
	2018	1,711	86.5	62.7	34.3	10.5	3.2
Studies of Religion I	2019	8,475	89.1	53.7	20.7	4.0	0.6
	2018	8,299	91.0	63.2	29.5	6.6	1.0
Studies of Religion II	2019	6,046	92.6	55.2	20.3	6.4	1.2
	2018	6,192	93.3	58.8	29.0	9.3	2.2

Table A4 Distributions of HSC marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Textiles & Design	2019	1,274	83.5	46.3	18.5	6.0	1.1
	2018	1,454	85.6	53.5	24.2	5.2	0.6
Visual Arts	2019	8,526	84.2	37.3	10.1	2.0	0.1
	2018	8,751	87.6	46.6	8.2	0.6	0.1
Arabic Continuers	2019	322	85.1	38.2	11.8	4.0	2.2
	2018	241	92.1	49.8	11.6	2.9	1.2
Arabic Extension	2019	113	77.9	51.3	30.1	0.0	0.0
	2018	97	79.4	48.5	22.7	1.0	0.0
Chinese Continuers	2019	178	59.6	20.8	7.3	2.2	0.0
	2018	173	54.9	12.7	1.7	0.0	0.0
Chinese & Literature	2019	576	80.7	29.3	2.6	0.5	0.0
	2018	622	87.3	28.9	3.1	0.3	0.0
Chinese in Context	2019	107	50.5	10.3	0.0	0.0	0.0
	2018	122	54.9	5.7	1.6	0.8	0.0
French Beginners	2019	479	76.2	52.6	32.6	15.9	6.1
	2018	472	78.4	58.3	31.1	14.0	5.1
French Continuers	2019	648	69.1	35.3	12.5	2.9	0.2
	2018	635	71.0	35.7	11.0	3.3	0.6
French Extension	2019	177	71.2	38.4	11.9	3.4	0.0
	2018	151	61.6	33.1	17.9	7.9	2.0
German Beginners	2019	95	75.8	57.9	27.4	4.2	0.0
	2018	113	65.5	31.9	15.9	5.3	0.9
German Continuers	2019	209	78.0	44.0	11.5	1.4	0.5
	2018	183	72.1	42.6	10.9	1.1	0.0
German Extension	2019	47	57.4	12.8	0.0	0.0	0.0
	2018	41	63.4	14.6	2.4	2.4	0.0
Indonesian Continuers	2019	72	86.1	48.6	22.2	1.4	0.0
	2018	62	64.5	30.6	9.7	1.6	0.0
Italian Beginners	2019	274	85.4	67.2	34.3	10.9	3.6
	2018	317	80.4	58.7	35.0	13.9	5.4
Italian Continuers	2019	265	75.5	41.1	17.0	6.4	3.4
	2018	242	79.3	44.2	21.9	5.8	1.2
Italian Extension	2019	52	44.2	11.5	0.0	0.0	0.0
	2018	61	59.0	16.4	6.6	0.0	0.0
Japanese Beginners	2019	677	85.7	57.0	34.4	19.2	7.5
	2018	718	85.8	55.0	28.4	14.1	4.3
Japanese Continuers	2019	617	72.3	39.7	17.8	3.7	0.8
	2018	679	71.3	38.9	14.3	4.6	0.1
Japanese Extension	2019	138	53.6	31.2	10.1	0.7	0.0
	2018	153	58.2	29.4	9.2	1.3	0.0
Korean Beginners	2019	116	75.9	42.2	19.0	4.3	1.7
	2018	97	78.4	40.2	17.5	6.2	2.1
Korean in Context	2019	47	44.7	10.6	2.1	0.0	0.0
	2018	62	56.5	14.5	1.6	0.0	0.0

Table A4 Distributions of HSC marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Latin Continuers	2019	131	48.9	10.7	2.3	0.0	0.0
	2018	156	50.0	13.5	2.6	0.6	0.0
Latin Extension	2019	83	22.9	3.6	0.0	0.0	0.0
	2018	94	14.9	3.2	1.1	1.1	0.0
Modern Greek Beginners	2019	87	63.2	25.3	10.3	3.4	0.0
	2018	79	50.6	32.9	13.9	5.1	0.0
Modern Greek Continuers	2019	80	52.5	21.3	3.8	1.3	0.0
	2018	100	69.0	30.0	5.0	0.0	0.0
Modern Greek Extension	2019	42	78.6	57.1	33.3	9.5	2.4
	2018	48	50.0	22.9	2.1	0.0	0.0
Spanish Beginners	2019	259	82.2	63.7	36.3	16.2	4.6
	2018	204	84.3	54.9	24.0	9.8	1.5
Spanish Continuers	2019	172	93.0	52.9	18.6	2.3	1.2
	2018	129	96.1	53.5	17.8	4.7	0.8
Spanish Extension	2019	48	75.0	25.0	6.3	0.0	0.0
	2018	43	74.4	46.5	11.6	0.0	0.0
Vietnamese Continuers	2019	175	92.0	30.9	8.0	2.3	1.7
	2018	141	96.5	29.8	3.5	1.4	0.0
Automotive Exam	2019	259	96.1	80.7	56.8	18.5	2.7
	2018	193	94.8	82.4	50.8	15.0	1.6
Business Services Exam	2019	1,119	94.2	62.4	22.5	4.8	1.3
	2018	1,056	94.8	64.9	27.8	10.8	2.9
Construction Exam	2019	1,614	98.6	74.1	32.5	9.3	0.6
	2018	1,510	97.7	81.5	30.0	5.5	0.3
Electrotechnology Exam	2019	239	98.3	84.5	44.8	16.7	0.0
	2018	220	100.0	88.6	49.1	11.8	0.0
Entertainment Industry Exam	2019	735	90.9	58.0	22.0	5.3	0.4
	2018	813	93.7	61.1	25.3	10.1	1.2
Financial Services Exam	2019	62	98.4	67.7	46.8	4.8	3.2
	2018	61	100.0	72.1	34.4	1.6	0.0
Hospitality Exam	2019	4,518	96.3	66.7	35.5	11.2	2.3
	2018	4,715	97.3	71.4	34.7	14.5	0.6
Human Services Exam	2019	735	99.5	92.5	53.6	12.8	1.6
	2018	667	99.1	89.5	51.1	9.1	0.4
Information & Digital Technology Exam	2019	483	98.3	74.3	20.7	3.1	0.6
	2018	569	97.0	74.2	29.5	8.6	2.1
Metal & Engineering Exam	2019	276	99.6	94.9	66.3	32.2	7.6
	2018	324	98.1	85.2	48.8	12.3	2.5
Primary Industries Exam	2019	567	94.9	74.8	25.6	2.5	0.4
	2018	569	96.5	73.1	25.1	3.0	0.7
Retail Services Exam	2019	841	99.2	87.3	47.7	15.1	1.5
	2018	811	99.9	91.2	46.0	14.9	2.6
Tourism, Travel & Events Exam	2019	188	98.4	82.4	34.6	3.2	0.0
	2018	224	99.6	75.9	23.2	1.3	0.0

Table A5 Distributions of scaled marks by course: 2018 and 2019

- 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.
(iv) For new subjects examined for the first time in 2019, there is no comparative data for 2018.

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Aboriginal Studies	2019	699	100.0	95.4	89.6	84.5	77.1	69.8	61.9
	2018	625	100.0	95.4	89.9	85.3	79.5	71.7	63.5
Agriculture	2019	1,579	99.9	95.3	88.9	80.2	70.9	57.8	43.4
	2018	1,396	99.9	97.6	91.0	80.6	68.5	53.7	39.7
Ancient History	2019	7,233	98.8	92.8	82.5	68.1	52.6	36.7	23.9
	2018	8,177	98.6	92.7	82.7	70.4	55.3	40.3	25.8
Biology	2019	18,667	98.9	92.4	79.8	62.8	45.9	29.5	16.0
	2018	18,105	99.0	91.9	77.9	60.6	43.7	28.5	15.5
Business Studies	2019	17,586	99.3	92.7	81.0	67.2	52.7	38.2	24.1
	2018	17,611	99.2	93.1	81.6	67.5	52.4	37.4	24.0
Chemistry	2019	10,277	95.8	77.9	57.1	39.7	26.4	15.7	7.6
	2018	11,133	96.3	79.6	57.9	38.7	23.5	13.5	6.8
Community & Family Studies	2019	8,406	100.0	98.3	92.1	82.2	69.7	55.4	40.4
	2018	8,029	100.0	98.6	92.0	82.2	69.9	55.3	39.6
Dance	2019	969	99.3	92.8	83.1	70.5	55.4	40.6	24.9
	2018	922	97.1	90.9	80.0	68.4	57.5	43.8	29.2
Design & Technology	2019	3,221	99.3	94.7	86.6	74.1	59.8	43.4	27.2
	2018	3,305	99.1	94.9	86.9	75.0	60.8	44.7	28.0
Drama	2019	4,080	97.7	91.6	82.2	70.2	56.4	40.7	24.9
	2018	4,216	98.0	91.9	82.5	70.3	56.4	40.9	25.0
Earth & Environmental Science	2019	2,033	99.3	95.1	85.1	71.7	55.4	39.7	25.7
	2018	1,574	99.4	94.4	82.6	68.1	51.1	35.2	21.2
Economics	2019	5,100	96.7	78.6	56.0	36.8	22.7	13.5	6.6
	2018	5,190	95.5	78.5	56.4	38.6	24.3	13.1	6.6
Engineering Studies	2019	2,257	98.5	92.9	80.0	65.5	46.8	29.1	14.5
	2018	-							
English Studies Exam	2019	993	100.0	100.0	100.0	99.9	99.1	96.2	86.8
	2018	-							
English Standard	2019	30,228	99.9	99.1	95.7	87.5	71.8	50.6	28.7
	2018	30,558	99.9	98.9	95.1	85.9	70.0	50.4	30.7
English Advanced	2019	25,251	97.5	83.6	60.1	37.1	19.4	9.0	3.4
	2018	26,127	98.0	84.2	61.2	38.6	21.3	9.8	3.9
English EAL/D	2019	2,138	98.6	94.0	85.9	74.2	59.3	44.6	29.9
English ESL	2018	2,311	99.0	93.8	84.0	71.6	56.0	42.3	27.5
English Extension 1	2019	3,490	93.6	68.5	37.5	15.2	5.2	1.5	0.5
	2018	4,064	95.2	71.8	39.6	18.5	6.0	2.0	0.6
English Extension 2	2019	1,326	89.7	66.7	42.4	18.3	5.5	1.3	0.2
	2018	1,525	91.2	72.4	48.0	23.7	7.5	2.2	0.5
Food Technology	2019	3,068	99.5	95.7	88.0	78.5	66.2	52.6	38.3
	2018	3,144	99.8	96.0	88.5	78.7	68.9	56.6	42.9

Table A5 Distributions of scaled marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Geography	2019	41,88	98.4	91.1	77.7	62.9	47.3	32.8	20.9
	2018	4,427	98.6	91.7	79.2	63.4	47.1	32.7	21.0
Industrial Technology	2019	5,702	100.0	99.7	95.2	87.2	76.0	62.2	45.8
	2018	5,712	100.0	99.6	95.4	87.8	76.5	62.4	47.5
Information Processes & Technology	2019	2,098	99.1	94.7	86.7	75.1	61.6	45.2	31.2
	2018	2,496	99.2	95.1	86.4	73.4	58.5	42.9	28.0
Investigating Science	2019	2,770	100.0	99.6	94.2	84.0	70.8	54.4	39.0
	2018	–							
Legal Studies	2019	10,516	98.7	91.4	78.2	62.6	47.7	33.2	20.7
	2018	10,309	98.8	90.9	78.1	63.3	48.3	34.2	22.0
Mathematics Standard 1 Exam	2019	1,139	100.0	100.0	100.0	96.0	89.6	80.2	68.7
	2018	–							
Mathematics Standard 2	2019	29,656	100.0	97.2	88.1	75.4	60.8	45.1	29.1
Mathematics General	2018	30,824	99.8	95.5	86.6	75.0	61.8	47.2	31.8
Mathematics	2019	17,311	95.9	81.3	61.3	40.7	24.3	13.5	7.2
	2018	17,825	96.4	81.5	60.5	40.5	24.0	13.2	6.8
Mathematics Extension 1	2019	8,830	82.0	45.5	21.7	10.2	4.8	1.9	1.0
	2018	9,021	78.8	45.6	21.4	9.9	3.9	1.5	0.6
Mathematics Extension 2	2019	3,134	64.5	18.6	6.3	2.4	0.8	0.1	0.0
	2018	3,164	52.5	13.7	4.6	1.5	0.7	0.3	0.1
Modern History	2019	11,329	98.3	90.3	77.2	61.5	46.1	31.6	19.9
	2018	11,089	98.1	90.6	76.6	60.7	44.7	31.3	20.6
History Extension	2019	1,825	96.6	81.6	53.3	28.0	11.1	4.0	0.8
	2018	1,788	97.4	82.7	57.2	29.8	9.7	2.6	1.0
Music 1	2019	4,676	99.7	96.0	88.1	76.7	63.0	47.3	32.1
	2018	4,462	99.8	96.1	87.7	76.5	62.8	47.5	31.9
Music 2	2019	730	91.6	74.5	54.8	36.7	18.6	6.7	1.1
	2018	735	94.3	74.8	52.2	31.8	15.8	6.1	1.6
Music Extension	2019	417	78.9	68.3	48.9	30.2	13.4	6.5	1.4
	2018	451	79.2	64.1	47.9	32.4	18.6	8.4	3.1
PDH&PE	2019	15,545	99.7	95.5	85.8	71.8	56.2	40.8	25.6
	2018	15,986	99.4	94.5	84.6	72.0	57.9	43.1	27.0
Physics	2019	8,404	96.9	82.3	62.0	43.2	28.1	16.3	7.7
	2018	9,454	96.9	82.8	62.0	42.8	28.1	16.6	7.8
Science Extension	2019	668	96.0	83.7	56.6	29.8	12.7	4.6	0.3
	2018	–							
Society & Culture	2019	4,769	98.6	93.2	83.2	71.2	57.1	42.0	25.6
	2018	4,520	99.2	94.1	85.2	71.0	55.5	39.4	24.0
Software Design & Development	2019	1,796	98.5	91.6	77.9	61.2	45.2	30.6	19.4
	2018	1711	98.8	91.9	79.5	66.4	51.3	36.1	20.8
Studies of Religion I	2019	8,475	99.1	91.5	75.9	56.5	37.1	20.5	8.5
	2018	8,299	99.4	91.9	76.2	56.0	35.2	18.4	7.3
Studies of Religion II	2019	6,046	98.5	89.9	74.1	55.9	37.2	22.9	12.5
	2018	6,192	98.7	90.6	75.0	56.5	38.5	23.8	12.8

Table A5 Distributions of scaled marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Textiles & Design	2019	1,274	98.4	93.3	83.2	69.6	56.9	42.4	27.6
	2018	1,454	99.1	93.2	84.7	73.7	60.2	46.0	30.5
Visual Arts	2019	8,526	98.5	93.1	84.6	73.0	59.6	45.2	30.2
	2018	8,751	98.9	93.8	85.1	73.8	60.3	45.8	30.2
Arabic Continuers	2019	322	100.0	97.8	91.3	83.5	75.8	64.6	50.6
	2018	241	100.0	98.3	94.2	86.3	78.4	66.8	56.4
Arabic Extension	2019	113	100.0	98.2	92.9	84.1	69.9	52.2	34.5
	2018	97	100.0	99.0	91.8	83.5	59.8	38.1	19.6
Chinese Continuers	2019	178	90.4	73.6	57.3	39.9	17.4	11.2	5.1
	2018	173	93.6	77.5	57.8	36.4	23.1	12.1	1.7
Chinese & Literature	2019	576	96.7	91.5	79.9	67.2	51.6	35.8	20.7
	2018	622	98.2	93.6	85.5	73.6	55.9	38.7	21.9
Chinese in Context	2019	107	96.3	80.4	64.5	47.7	30.8	16.8	10.3
	2018	122	93.4	76.2	61.5	49.2	31.1	19.7	5.7
French Beginners	2019	479	98.1	92.3	82.0	68.9	51.6	38.0	25.9
	2018	472	97.0	89.6	81.4	69.1	54.7	37.9	22.5
French Continuers	2019	648	91.2	72.1	46.5	26.2	14.5	5.9	1.2
	2018	635	90.2	70.1	47.6	28.0	13.2	5.5	1.9
French Extension	2019	177	82.5	41.8	12.4	5.1	1.7	0.0	0.0
	2018	151	70.9	38.4	18.5	8.6	2.6	0.7	0.0
German Beginners	2019	95	95.8	90.5	78.9	62.1	46.3	31.6	16.8
	2018	113	98.2	93.8	78.8	62.8	46.9	31.9	15.9
German Continuers	2019	209	91.9	74.2	49.8	31.1	17.2	6.7	2.4
	2018	183	91.8	76.0	56.8	33.9	18.0	9.8	2.2
German Extension	2019	47	87.2	51.1	21.3	2.1	0.0	0.0	0.0
	2018	41	85.4	58.5	22.0	2.4	2.4	0.0	0.0
Indonesian Continuers	2019	72	93.1	87.5	56.9	48.6	33.3	16.7	4.2
	2018	62	91.9	77.4	54.8	38.7	22.6	14.5	1.6
Italian Beginners	2019	274	97.8	88.3	77.4	65.7	48.2	32.8	19.0
	2018	317	92.7	84.9	74.8	59.3	46.1	34.1	21.5
Italian Continuers	2019	265	95.1	83.0	61.5	44.5	29.1	13.6	6.8
	2018	242	94.6	78.9	62.4	42.1	25.6	13.2	5.4
Italian Extension	2019	52	90.4	61.5	28.8	5.8	0.0	0.0	0.0
	2018	61	90.2	67.2	36.1	11.5	1.6	0.0	0.0
Japanese Beginners	2019	677	99.0	93.8	83.2	68.8	52.7	36.8	22.9
	2018	718	99.3	95.1	82.2	66.3	50.3	34.8	22.0
Japanese Continuers	2019	617	91.7	78.1	60.5	41.8	28.2	15.9	6.8
	2018	679	95.1	80.0	60.8	42.1	25.2	14.3	7.5
Japanese Extension	2019	138	92.8	59.4	26.8	6.5	0.7	0.0	0.0
	2018	153	90.8	62.1	24.2	5.2	1.3	0.0	0.0
Korean Beginners	2019	116	99.1	90.5	75.9	62.9	40.5	23.3	14.7
	2018	97	95.9	90.7	79.4	64.9	40.2	22.7	13.4
Korean in Context	2019	47	93.6	83.0	74.5	55.3	44.7	14.9	4.3
	2018	62	98.4	88.7	69.4	51.6	37.1	29.0	9.7
Latin Continuers	2019	131	67.2	37.4	16.8	9.2	3.1	1.5	0.0
	2018	156	66.0	42.3	16.7	7.7	2.6	1.9	1.3

Table A5 Distributions of scaled marks by course: 2018 and 2019

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Latin Extension	2019	83	57.8	32.5	14.5	3.6	1.2	1.2	0.0
	2018	94	48.9	14.9	6.4	2.1	1.1	1.1	1.1
Modern Greek Beginners	2019	87	97.7	88.5	72.4	50.6	37.9	26.4	16.1
	2018	79	94.9	89.9	77.2	59.5	45.6	35.4	24.1
Modern Greek Continuers	2019	80	100.0	92.5	83.8	71.3	52.5	33.8	20.0
	2018	100	93.0	84.0	70.0	58.0	46.0	31.0	23.0
Modern Greek Extension	2019	42	100.0	95.2	81.0	64.3	33.3	14.3	2.4
	2018	48	97.9	81.3	58.3	39.6	20.8	2.1	0.0
Spanish Beginners	2019	259	96.9	84.6	74.5	64.5	49.8	35.5	22.8
	2018	204	95.1	87.7	75.0	59.3	46.6	27.9	17.2
Spanish Continuers	2019	172	97.7	89.0	74.4	64.5	46.5	29.7	15.7
	2018	129	96.9	86.8	79.8	65.1	47.3	31.0	18.6
Spanish Extension	2019	48	91.7	85.4	60.4	37.5	12.5	4.2	0.0
	2018	43	95.3	90.7	67.4	46.5	20.9	2.3	0.0
Vietnamese Continuers	2019	175	98.9	96.0	93.1	82.9	70.9	52.0	36.6
	2018	141	97.9	96.5	87.9	70.9	51.8	39.0	27.0
Automotive Exam	2019	259	100.0	100.0	97.7	94.2	84.6	74.1	61.0
	2018	193	100.0	100.0	98.4	94.8	82.4	71.0	56.5
Business Services Exam	2019	1,119	100.0	96.8	92.9	84.1	71.9	55.6	39.6
	2018	1,056	100.0	97.8	91.1	82.6	72.1	55.0	38.3
Construction Exam	2019	1,614	100.0	100.0	97.7	90.7	79.4	64.5	49.1
	2018	1,510	100.0	100.0	97.7	90.5	81.5	70.8	54.8
Electrotechnology Exam	2019	239	100.0	100.0	95.4	90.0	79.9	61.1	44.8
	2018	220	100.0	100.0	98.2	93.2	77.3	63.6	42.3
Entertainment Industry Exam	2019	735	100.0	98.5	94.4	82.4	64.9	47.9	31.3
	2018	813	100.0	99.0	92.1	81.7	65.2	48.8	30.0
Financial Services Exam	2019	62	98.4	93.5	87.1	75.8	59.7	46.8	22.6
	2018	61	100.0	95.1	86.9	72.1	47.5	31.1	14.8
Hospitality Exam	2019	4,518	100.0	98.6	93.0	84.6	70.0	55.5	38.6
	2018	4,715	100.0	98.2	93.1	84.0	71.5	58.5	41.5
Human Services Exam	2019	735	100.0	98.8	92.5	82.4	69.9	57.1	37.7
	2018	667	100.0	99.1	94.8	84.4	71.5	57.9	40.8
Information & Digital Technology Exam	2019	483	100.0	100.0	96.5	88.2	74.3	57.3	40.8
	2018	569	100.0	98.9	93.7	85.6	74.2	56.9	39.4
Metal & Engineering Exam	2019	276	100.0	100.0	96.4	91.3	82.2	68.8	51.8
	2018	324	100.0	100.0	98.1	92.9	85.2	76.5	61.7
Primary Industries Exam	2019	567	100.0	99.5	94.9	88.4	77.2	63.5	47.8
	2018	569	100.0	100.0	97.0	88.8	78.0	63.1	47.5
Retail Services Exam	2019	841	100.0	98.8	94.2	85.4	75.0	62.9	44.9
	2018	811	100.0	98.6	93.3	87.7	79.3	64.4	47.7
Tourism, Travel & Events Exam	2019	188	100.0	98.4	89.4	80.3	68.6	44.7	25.0
	2018	224	100.0	99.6	92.4	82.6	64.7	52.2	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 2019 or a previous year, and received an ATAR in 2019.
- (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	405	105	26	73	99.30
Agriculture	1,212	462	38	79	99.05
Ancient History	6,666	2,572	39	86	99.95
Biology	17,980	7,987	44	83	99.95
Business Studies	16,373	5,936	36	85	99.95
Chemistry	10,233	6,220	61	75	99.95
Community & Family Studies	6,882	2,089	30	88	99.45
Dance	852	273	32	63	99.55
Design & Technology	2,849	1,029	36	72	99.35
Drama	3,556	1,249	35	69	99.95
Earth & Environmental Science	1,820	640	35	82	99.55
Economics	5,076	2,661	52	77	99.95
Engineering Studies	2,178	1,054	48	74	99.70
English Studies Exam	457	108	24	100	84.35
English Standard	27,520	7,868	29	100	99.55
English Advanced	25,070	12,512	50	99	99.95
English EAL/D	1,983	683	34	100	99.95
English Extension 1	3,483	2,340	67	88	99.95
English Extension 2	1,321	793	60	83	99.95
Food Technology	2,540	828	33	86	99.75
Geography	3,864	1,549	40	84	99.95
Industrial Technology	4,051	1,213	30	76	98.25
Information Processes & Technology	1,926	830	43	73	99.95
Investigating Science	2,256	831	37	84	98.55
Legal Studies	10,002	3,873	39	84	99.95
Mathematics Standard 1 Exam	651	170	26	49	89.15
Mathematics Standard 2	26,985	8,286	31	71	99.50
Mathematics	16,569	9,321	56	71	99.95
Mathematics Extension 1	8,721	6,300	72	89	99.95
Mathematics Extension 2	3,104	1,633	53	96	99.95
Modern History	10,567	4,525	43	85	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	
History Extension	1,822	1,460	80	84	99.95
Music 1	3,933	1,411	36	65	99.35
Music 2	720	514	71	70	99.95
Music Extension	417	341	82	69	99.95
PDH&PE	14,174	4,819	34	85	99.80
Physics	8,323	4,821	58	75	99.95
Science Extension	666	541	81	80	99.85
Society & Culture	4,388	1,427	33	87	99.95
Software Design & Development	1,695	835	49	73	99.90
Studies of Religion I	8,206	7,089	86	80	99.90
Studies of Religion II	5,968	1,713	29	84	99.85
Textiles & Design	1,117	322	29	82	99.35
Visual Arts	7,263	2,451	34	74	99.95
Arabic Continuers	254	136	54	75	98.20
Arabic Extension	98	94	96	78	94.75
Armenian Continuers	18	13	72	69	90.30
Chinese Beginners	34	13	38	77	99.30
Chinese Continuers	178	109	61	67	99.95
Chinese Extension	27	23	85	78	99.95
Chinese & Literature	574	205	36	62	99.95
Chinese in Context	106	51	48	59	99.25
Classical Greek Continuers	14	13	93	77	99.95
Classical Greek Extension	11	10	91	80	99.95
Classical Hebrew Continuers	20	15	75	80	99.65
Classical Hebrew Extension	13	13	100	77	99.65
Croatian Continuers	12	5	42	60	90.35
French Beginners	426	163	38	74	99.00
French Continuers	642	416	65	67	99.95
French Extension	178	160	90	88	99.95
German Beginners	85	25	29	84	98.60
German Continuers	200	124	62	64	99.95
German Extension	46	39	85	82	99.95
Hindi Continuers	21	16	76	50	98.80
Indonesian Beginners	25	9	36	100	96.80
Indonesian Continuers	71	41	58	63	99.35
Indonesian Extension	13	11	85	100	99.35
Italian Beginners	255	123	48	70	98.75
Italian Continuers	263	150	57	67	99.90
Italian Extension	51	35	69	91	99.90
Japanese Beginners	637	213	33	69	99.40
Japanese Continuers	606	355	59	63	99.95
Japanese Extension	142	109	77	79	99.95
Japanese & Literature	14	3	21	67	95.45

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	
Japanese in Context	26	14	54	57	93.80
Khmer Continuers	11	6	55	83	98.80
Korean Beginners	115	38	33	74	97.30
Korean & Literature	22	7	32	86	93.75
Korean in Context	44	21	48	57	99.80
Latin Continuers	130	111	85	69	99.95
Latin Extension	82	76	93	74	99.95
Macedonian Continuers	12	10	83	90	86.15
Modern Greek Beginners	85	40	47	75	97.20
Modern Greek Continuers	83	58	70	60	99.40
Modern Greek Extension	41	39	95	82	95.70
Modern Hebrew Continuers	35	18	51	83	99.65
Persian Continuers	24	7	29	86	95.15
Polish Continuers	17	12	71	83	93.15
Portuguese Continuers	18	8	44	88	97.75
Punjabi Continuers	15	12	80	58	98.05
Russian Continuers	22	10	45	40	94.50
Serbian Continuers	24	11	46	82	97.20
Spanish Beginners	237	90	38	73	99.85
Spanish Continuers	162	85	52	62	99.30
Spanish Extension	48	41	85	90	96.85
Tamil Continuers	28	22	79	73	99.10
Turkish Continuers	35	18	51	61	98.70
Vietnamese Continuers	157	64	41	69	98.90
Automotive Exam	136	58	43	53	86.75
Business Services Exam	932	354	38	75	96.10
Construction Exam	1,181	351	30	72	92.40
Electrotechnology Exam	164	53	32	74	88.05
Entertainment Industry Exam	632	216	34	77	95.45
Financial Services Exam	53	13	25	54	96.25
Hospitality Exam	3,954	1,313	33	76	97.65
Human Services Exam	664	270	41	74	96.55
Information & Digital Technology Exam	431	157	36	73	93.15
Metal & Engineering Exam	168	81	48	52	87.45
Primary Industries Exam	442	180	41	69	93.90
Retail Services Exam	731	261	36	57	95.20
Tourism, Travel & Events Exam	156	50	32	64	94.35

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 2019 was 69.75.

ATAR	Number	Number on or above	Percentage on or above
99.95	46	46	0.1
99.90	43	89	0.2
99.85	47	136	0.2
99.80	48	184	0.3
99.75	42	226	0.4
99.70	46	272	0.5
99.65	50	322	0.6
99.60	43	365	0.7
99.55	50	415	0.8
99.50	45	460	0.8
99.45	42	502	0.9
99.40	51	553	1.0
99.35	43	596	1.1
99.30	49	645	1.2
99.25	42	687	1.2
99.20	46	733	1.3
99.15	51	784	1.4
99.10	45	829	1.5
99.05	49	878	1.6
99.00	45	923	1.7
99.00 - 99.95	923	923	1.7
98.00 - 98.95	919	1,842	3.3
97.00 - 97.95	928	2,770	5.0
96.00 - 96.95	922	3,692	6.7
95.00 - 95.95	923	4,615	8.4
94.00 - 94.95	913	5,528	10.0
93.00 - 93.95	932	6,460	11.7
92.00 - 92.95	920	7,380	13.4
91.00 - 91.95	931	8,311	15.1
90.00 - 90.95	925	9,236	16.8
89.00 - 89.95	914	10,150	18.4
88.00 - 88.95	929	11,079	20.1
87.00 - 87.95	918	11,997	21.8
86.00 - 86.95	916	12,913	23.5
85.00 - 85.95	930	13,843	25.2
84.00 - 84.95	904	14,747	26.8
83.00 - 83.95	914	15,661	28.5
82.00 - 82.95	904	16,565	30.1
81.00 - 81.95	933	17,498	31.8
80.00 - 80.95	904	18,402	33.4
79.00 - 79.95	892	19,294	35.1
78.00 - 78.95	918	20,212	36.7

Table A7 ATAR distribution

ATAR	Number	Number on or above	Percentage on or above
77.00 - 77.95	880	21,092	38.3
76.00 - 76.95	899	21,991	40.0
75.00 - 75.95	900	22,891	41.6
74.00 - 74.95	901	23,792	43.2
73.00 - 73.95	889	24,681	44.8
72.00 - 72.95	890	25,571	46.5
71.00 - 71.95	860	26,431	48.0
70.00 - 70.95	888	27,319	49.6
69.00 - 69.95	865	28,184	51.2
68.00 - 68.95	861	29,045	52.8
67.00 - 67.95	840	29,885	54.3
66.00 - 66.95	866	30,751	55.9
65.00 - 65.95	847	31,598	57.4
64.00 - 64.95	825	32,423	58.9
63.00 - 63.95	828	33,251	60.4
62.00 - 62.95	825	34,076	61.9
61.00 - 61.95	801	34,877	63.4
60.00 - 60.95	809	35,686	64.8
59.00 - 59.95	780	36,466	66.3
58.00 - 58.95	788	37,254	67.7
57.00 - 57.95	775	38,029	69.1
56.00 - 56.95	779	38,808	70.5
55.00 - 55.95	753	39,561	71.9
54.00 - 54.95	751	40,312	73.3
53.00 - 53.95	738	41,050	74.6
52.00 - 52.95	735	41,785	75.9
51.00 - 51.95	724	42,509	77.2
50.00 - 50.95	728	43,237	78.6
49.00 - 49.95	700	43,937	79.8
48.00 - 48.95	688	44,625	81.1
47.00 - 47.95	661	45,286	82.3
46.00 - 46.95	662	45,948	83.5
45.00 - 45.95	628	46,576	84.6
44.00 - 44.95	603	47,179	85.7
43.00 - 43.95	591	47,770	86.8
42.00 - 42.95	577	48,347	87.9
41.00 - 41.95	538	48,885	88.8
40.00 - 40.95	523	49,408	89.8
39.00 - 39.95	502	49,910	90.7
38.00 - 38.95	476	50,386	91.6
37.00 - 37.95	441	50,827	92.4
36.00 - 36.95	430	51,257	93.1
35.00 - 35.95	385	51,642	93.8
34.00 - 34.95	375	52,017	94.5
33.00 - 33.95	342	52,359	95.1
32.00 - 32.95	306	52,665	95.7
31.00 - 31.95	283	52,948	96.2
30.00 - 30.95	256	53,204	96.7

Table A8 ATAR percentiles: 2015–2019

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

Percentile	ATAR 2015	ATAR 2016	ATAR 2017	ATAR 2018	ATAR 2019
100	99.95	99.95	99.95	99.95	99.95
99	99.40	99.40	99.35	99.40	99.40
98	98.75	98.75	98.75	98.80	98.80
95	96.95	96.95	96.90	97.00	97.00
90	93.95	93.95	93.85	94.00	94.00
85	90.90	90.90	90.80	91.00	91.05
80	87.85	87.85	87.75	88.00	88.05
75	84.75	84.75	84.70	85.00	85.05
70	81.65	81.60	81.60	82.00	82.05
60	75.25	75.25	75.40	75.85	75.95
50	68.70	68.65	69.00	69.65	69.75
40	61.70	61.65	62.40	63.15	63.25
30	54.05	53.95	55.35	56.20	56.35

Table A9 Relationship between the ATAR and aggregates: 2015–2019

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

ATAR	Lowest aggregate				
	2015	2016	2017	2018	2019
99.95	478.1	476.6	477.1	476.3	476.7
99.50	457.9	455.8	457.1	455.5	454.5
99.00	446.9	446.0	446.6	444.5	443.8
98.00	432.4	431.2	432.2	429.9	429.6
95.00	404.2	403.8	404.1	402.8	402.0
90.00	371.2	371.7	372.4	371.1	370.0
85.00	343.8	345.3	344.8	343.1	342.2
80.00	319.9	320.6	319.9	318.2	316.3
75.00	297.0	297.5	296.2	294.5	291.7
70.00	274.8	275.1	273.3	271.1	268.6
65.00	253.1	253.4	249.4	248.1	245.9
60.00	231.4	231.4	226.6	224.1	223.5
55.00	211.4	210.9	204.2	201.0	200.2
50.00	191.9	191.4	182.0	178.0	176.8