

# ATAR 2018

## Preliminary report on the Scaling of the 2018 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 2018 – 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 2018 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 2018 a total of 56,127 students received an ATAR, 934 fewer than in 2017. The gender balance was similar to 2017.

16.7% of the students received an ATAR of 90.00 or above, 33.3% received an ATAR of at least 80.00, 49.5% at least 70.00, and 64.7% at least 60.00. The median ATAR was 69.65, slightly higher than in 2017. The median ATAR for females was 71.10 whereas the median ATAR for males was 67.80.

Of the 46 students who received the top ATAR of 99.95, there were 19 females and 27 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 37 different courses out of the 119 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 71,401 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 71,401 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 2018, the number of candidates who were awarded an ATAR in 2018, 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 2018 HSC MARKS BY COURSE – TABLE A2

Table A2 provides information on the distributions of NESA HSC marks in 2018. 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 2018 were similar to those from the HSC 2017. 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, say, 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 German 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 49.3.

This issue has been discussed in full on page 15-16 of the *Report on the Scaling of the 2017 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 2017 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 2017 to 2018, 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 2017 to 2018 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 2018 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 2014 to 2018.

## 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 2014 to 2018.

## 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 2018 was 69.65. 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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December 2018

# APPENDIX

## COMMENT

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

- Arabic Beginners
- Croatian
- Dutch
- Hungarian
- Indonesian Extension
- Indonesian in Context
- Khmer
- Korean Continuers
- Malay Background Speakers
- Maltese
- Swedish
- Ukrainian.

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 2018 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: 2017 and 2018 Excludes courses with less than 40 students in either year
Table A5	Distributions of scaled marks by course: 2017 and 2018 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: 2014–2018
Table A9	Relationship between the ATAR and aggregates: 2014–2018

**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 2018 or in a previous year (and who have done at least one ATAR course in 2018).
- (ii) The **Number HSC** column shows the number of students who completed the course in 2018 or in a previous year and received an HSC award in 2018.
- (iii) The **Number ATAR** column shows the number of students who completed the course in 2018 or in a previous year and who were eligible for an ATAR in 2018.
- (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 2018.
- (vi) The **% ATAR eligible** column shows the percentage of students in the course who were eligible for an ATAR in 2018.
- (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	689	588	355	74.2	85.3	51.5	99.85
Agriculture	1,461	1,381	1,042	53.7	94.5	71.3	99.95
Ancient History	8,335	8,104	7,432	58.0	97.2	89.2	99.95
Biology	18,522	18,028	17,489	62.8	97.3	94.4	99.95
Business Studies	18,033	17,547	16,397	45.3	97.3	90.9	99.95
Chemistry	11,375	11,142	11,095	46.5	98.0	97.5	99.95
Community & Family Studies	8,133	7,942	6,621	91.3	97.7	81.4	99.65
Dance	967	920	811	93.5	95.1	83.9	99.35
Design & Technology	3,382	3,216	2,847	44.1	95.1	84.2	99.30
Drama	4,345	4,203	3,733	66.1	96.7	85.9	99.95
Earth & Environmental Science	1,625	1,577	1,444	48.1	97.0	88.9	99.90
Economics	5,228	5,180	5,145	34.0	99.1	98.4	99.95
Engineering Studies	2,055	2,006	1,941	7.3	97.6	94.5	99.90
English Standard	31,052	30,215	27,992	49.5	97.3	90.1	99.40
English Advanced	26,302	26,068	25,973	58.6	99.1	98.7	99.95
English Extension 1	4,078	4,065	4,061	69.1	99.7	99.6	99.95
English Extension 2	1,528	1,525	1,522	72.5	99.8	99.6	99.95
ESL	2,329	2,256	2,162	53.6	96.9	92.8	99.95
Food Technology	3,188	3,079	2,475	73.0	96.6	77.6	99.50
Geography	4,523	4,433	4,097	47.3	98.0	90.6	99.95
Industrial Technology	5,770	5,539	3,858	15.0	96.0	66.9	98.40
Information Processes & Technology	2,736	2,495	2,275	19.7	91.2	83.2	99.95
Legal Studies	10,511	10,256	9,815	63.1	97.6	93.4	99.95
Mathematics General 2	31,397	30,667	27,797	50.9	97.7	88.5	99.65
Mathematics	18,578	16,990	16,931	47.7	91.5	91.1	99.95
Mathematics Extension 1	9,405	8,988	8,987	42.8	95.6	95.6	99.95
Mathematics Extension 2	3,227	3,186	3,186	36.0	98.7	98.7	99.95
Modern History	11,271	11,019	10,300	52.1	97.8	91.4	99.95
History Extension	1,795	1,784	1,779	64.7	99.4	99.1	99.95
Music 1	4,549	4,373	3,733	50.3	96.1	82.1	99.70
Music 2	784	743	740	51.5	94.8	94.4	99.95
Music Extension	454	446	444	51.5	98.2	97.8	99.95
PDH&PE	16,206	15,839	14,467	55.1	97.7	89.3	99.95
Physics	9,643	9,497	9,425	24.2	98.5	97.7	99.95
Senior Science	6,629	6,465	5,175	47.4	97.5	78.1	99.95
Society & Culture	4,622	4,479	4,157	80.9	96.9	89.9	99.85

**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
Software Design & Development	1,789	1,706	1,602	11.2	95.4	89.5	99.95
Studies of Religion I	8,720	8,233	8,130	54.3	94.4	93.2	99.95
Studies of Religion II	6,298	6,060	5,944	63.9	96.2	94.4	99.90
Textiles & Design	1,478	1,446	1,237	98.4	97.8	83.7	99.45
Visual Arts	8,902	8,574	7,424	72.7	96.3	83.4	99.90
Arabic Continuers	251	244	213	65.3	97.2	84.9	96.90
Arabic Extension	97	95	84	66.0	97.9	86.6	93.00
Armenian	41	31	31	53.7	75.6	75.6	93.15
Chinese Beginners	47	47	46	57.4	100.0	97.9	98.60
Chinese Continuers	173	165	165	52.0	95.4	95.4	99.90
Chinese Extension	34	34	34	50.0	100.0	100.0	99.90
Chinese & Literature	625	612	609	56.5	97.9	97.4	99.90
Chinese in Context	126	126	124	63.5	100.0	98.4	99.85
Classical Greek Continuers	18	18	18	16.7	100.0	100.0	99.95
Classical Greek Extension	15	15	15	6.7	100.0	100.0	99.95
Classical Hebrew Continuers	24	19	19	75.0	79.2	79.2	99.55
Classical Hebrew Extension	14	12	12	71.4	85.7	85.7	98.50
French Beginners	490	484	438	78.4	98.8	89.4	98.65
French Continuers	679	629	625	70.8	92.6	92.0	99.95
French Extension	154	150	149	59.7	97.4	96.8	99.95
German Beginners	114	111	104	57.0	97.4	91.2	98.80
German Continuers	203	189	189	63.5	93.1	93.1	99.95
German Extension	44	43	43	59.1	97.7	97.7	99.95
Hindi	31	25	25	51.6	80.6	80.6	99.75
Indonesian Beginners	45	45	41	62.2	100.0	91.1	99.40
Indonesian Continuers	62	62	61	69.4	100.0	98.4	99.70
Indonesian Extension	16	16	16	75.0	100.0	100.0	99.70
Indonesian & Literature	41	41	41	58.5	100.0	100.0	98.45
Italian Beginners	320	317	292	75.9	99.1	91.3	99.60
Italian Continuers	257	230	225	63.8	89.5	87.5	99.85
Italian Extension	61	60	59	59.0	98.4	96.7	99.65
Japanese Beginners	727	711	687	57.9	97.8	94.5	99.95
Japanese Continuers	706	668	658	65.9	94.6	93.2	99.95
Japanese Extension	161	154	154	68.3	95.7	95.7	99.80
Japanese in Context	31	31	30	67.7	100.0	96.8	92.70
Khmer	18	17	17	66.7	94.4	94.4	85.90
Korean Beginners	97	95	95	86.6	97.9	97.9	96.05
Korean Continuers	14	14	14	92.9	100.0	100.0	95.50
Korean & Literature	40	39	38	65.0	97.5	95.0	98.75
Korean in Context	62	61	61	69.4	98.4	98.4	99.05
Latin Continuers	157	155	155	42.7	98.7	98.7	99.95
Latin Extension	94	94	94	38.3	100.0	100.0	99.95
Macedonian	20	20	18	65.0	100.0	90.0	98.15
Modern Greek Beginners	79	79	73	50.6	100.0	92.4	98.00
Modern Greek Continuers	113	90	87	63.7	79.6	77.0	99.60
Modern Greek Extension	53	45	45	71.7	84.9	84.9	99.40

**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 Hebrew	52	46	46	61.5	88.5	88.5	99.55
Persian	21	20	20	57.1	95.2	95.2	96.95
Polish	17	15	15	64.7	88.2	88.2	96.80
Portuguese	13	13	11	61.5	100.0	84.6	78.80
Punjabi Continuers	12	12	12	58.3	100.0	100.0	94.95
Russian	21	21	21	57.1	100.0	100.0	93.85
Serbian	24	23	23	54.2	95.8	95.8	92.50
Spanish Beginners	207	203	188	74.4	98.1	90.8	99.85
Spanish Continuers	134	129	123	69.4	96.3	91.8	98.65
Spanish Extension	44	42	40	56.8	95.5	90.9	94.80
Swedish	17	7	7	76.5	41.2	41.2	96.70
Tamil	57	28	26	68.4	49.1	45.6	99.00
Turkish	45	31	31	75.6	68.9	68.9	97.85
Vietnamese	144	139	134	62.5	96.5	93.1	98.60
Automotive Exam	215	193	122	5.1	89.8	56.7	91.70
Business Services Exam	1,116	1,029	879	75.4	92.2	78.8	97.25
Construction Exam	1,555	1,468	1,024	4.8	94.4	65.9	95.40
Electrotechnology Exam	225	217	156	2.2	96.4	69.3	93.0
Entertainment Industry Exam	822	811	706	53.5	98.7	85.9	97.70
Financial Services Exam	63	59	56	30.2	93.7	88.9	96.35
Hospitality Exam	5,013	4,722	4,207	73.2	94.2	83.9	98.75
Human Services Exam	676	660	590	91.4	97.6	87.3	96.85
Information & Digital Technology Exam	623	579	505	13.0	92.9	81.1	97.45
Metal & Engineering Exam	369	331	204	5.1	89.7	55.3	95.10
Primary Industries Exam	590	493	367	54.7	83.6	62.2	91.30
Retail Services Exam	914	777	651	71.2	85.0	71.2	97.75
Tourism, Travel & Events Exam	226	225	188	91.2	99.6	83.2	90.90
<b>Total</b>	<b>71,401</b>	<b>64,862</b>	<b>56,127</b>	<b>52.3</b>	<b>90.8</b>	<b>78.6</b>	<b>99.95</b>

**Table A2 Distributions of 2018 HSC marks by course**

- Notes: (i) The **Number** column shows the number of students who completed the course in 2018.  
(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	625	67	3	10	14	20	21	27
Agriculture	1,396	74	4	7	26	29	20	12
Ancient History	8,177	75	4	10	27	27	22	11
Biology	18,105	76	4	9	28	33	20	6
Business Studies	17,611	75	4	8	29	28	23	10
Chemistry	11,133	77	4	9	33	28	19	9
Community & Family Studies	8,029	73	4	4	25	33	24	11
Dance	922	81	5	14	42	29	11	3
Design & Technology	3,305	79	4	12	35	37	13	3
Drama	4,216	78	4	14	29	40	16	2
Earth & Environmental Science	1,574	76	4	5	33	33	20	8
Economics	5,190	78	4	13	33	26	20	6
Engineering Studies	1,996	76	4	9	27	35	20	7
English Standard	30,558	70	4	1	14	35	34	12
English Advanced	26,127	82	5	14	49	28	8	1
English Extension 1	4,064	43	E3			38	58	4
English Extension 2	1,525	38	E3			17	55	28
ESL	2,311	72	4	3	22	31	28	11
Food Technology	3,144	74	4	10	23	30	23	11
Geography	4,427	78	4	8	35	30	14	8
Industrial Technology	5,712	69	3	6	16	26	28	16
Information Processes & Technology	2,496	76	4	7	31	30	19	8
Legal Studies	10,309	78	4	12	32	28	13	10
Mathematics General 2	30,824	71	4	7	20	26	27	15
Mathematics	17,825	80	5	23	29	26	15	5
Mathematics Extension 1	9,021	41	E3			33	47	17
Mathematics Extension 2	3,164	85	E3			33	52	12
Modern History	11,089	77	4	11	32	29	14	9
History Extension	1,788	40	E3			24	55	20
Music 1	4,462	83	5	21	44	25	8	1
Music 2	735	88	5	42	50	8	<1	
Music Extension	451	47	E4			67	29	4
PDH&PE	15,986	73	4	7	27	28	25	10
Physics	9,454	75	4	10	24	31	22	10
Senior Science	6,536	73	4	4	18	40	26	7
Society & Culture	4,520	79	4	13	35	30	15	5



**Table A2 Distributions of 2018 HSC marks by course**

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Software Design & Development	1,711	75	4	14	24	28	24	7
Studies of Religion I	8,299	38	4	9	28	34	23	6
Studies of Religion II	6,192	77	4	7	35	30	20	7
Textiles & Design	1,454	78	4	14	32	29	19	5
Visual Arts	8,751	80	5	12	41	38	8	<1
Arabic Continuers	241	80	5	8	42	38	9	2
Arabic Extension	97	40	E3			21	57	23
Armenian	21	83	5	19	38	29	14	
Chinese Beginners	47	80	5	38	15	23	15	9
Chinese Continuers	173	89	5	45	42	11	2	
Chinese Extension	34	46	E4			71	29	
Chinese & Literature	622	83	5	13	58	26	3	<1
Chinese in Context	122	89	5	45	49	4	1	1
Classical Greek Continuers	18	92	6	61	28	6	6	
Classical Greek Extension	15	47	E4			87	13	
Classical Hebrew Continuers	17	93	6	71	12	12	6	
Classical Hebrew Extension	10	48	E4			90	10	
French Beginners	472	76	4	22	20	27	17	9
French Continuers	635	84	5	29	35	25	8	3
French Extension	151	43	E3			38	44	16
German Beginners	113	85	5	35	34	16	11	4
German Continuers	183	82	5	28	30	32	10	1
German Extension	41	42	E3			37	61	2
Hindi	24	88	5	38	46	13		4
Indonesian Beginners	44	81	5	30	23	23	11	14
Indonesian Continuers	62	85	5	35	34	21	8	2
Indonesian Extension	16	44	E3			44	50	6
Indonesian & Literature	41	74	4		10	68	22	
Italian Beginners	317	76	4	20	22	24	21	9
Italian Continuers	242	82	5	21	35	22	16	5
Italian Extension	61	44	E3			41	52	7
Japanese Beginners	718	78	4	14	31	27	14	10
Japanese Continuers	679	83	5	29	32	25	10	4
Japanese Extension	153	43	E3			42	49	9
Japanese in Context	30	86	5	30	53	10	7	
Khmer	18	84	5	6	67	28		
Korean Beginners	97	82	5	22	38	23	11	4
Korean Continuers	14	92	6	57	36	7		
Korean & Literature	40	84	5	33	33	23	10	3
Korean in Context	62	88	5	44	42	13	2	
Latin Continuers	156	90	6	50	37	11	2	1
Latin Extension	94	47	E4			85	14	1

**Table A2 Distributions of 2018 HSC marks by course**

Course	Number	Median HSC mark	Median Band	Percentage students in Performance Band				
				6	5	4	3	2
Macedonian	18	79	4	11	39	22	11	17
Modern Greek Beginners	79	89	5	49	18	19	9	5
Modern Greek Continuers	100	86	5	31	39	25	5	
Modern Greek Extension	48	45	E4			50	48	2
Modern Hebrew	39	91	6	59	36	5		
Persian	19	79	4	21	26	37	11	5
Polish	14	92	6	64	29	7		
Portuguese	13	79	4	31	15	38	15	
Punjabi Continuers	12	86	5	25	58	17		
Russian	17	91	6	65	29	6		
Serbian	24	87	5	33	54	8	4	
Spanish Beginners	204	78	4	16	29	31	14	8
Spanish Continuers	129	79	4	4	43	36	13	4
Spanish Extension	43	40	E3			26	63	12
Swedish	10	86	5	10	80	10		
Tamil	31	91	6	71	23	6		
Turkish	33	88	5	39	42	12	3	3
Vietnamese	141	83	5	4	67	26	2	1
Automotive Exam	193	69	3	5	12	32	36	13
Business Services Exam	1,056	76	4	5	30	37	17	8
Construction Exam	1,510	74	4	2	16	52	25	5
Electrotechnology Exam	220	70	4		11	40	37	12
Entertainment Industry Exam	813	77	4	6	33	36	15	9
Financial Services Exam	61	75	4		28	38	33	2
Hospitality Exam	4,715	74	4	3	26	37	20	14
Human Services Exam	667	69	3	1	10	38	42	9
Information & Digital Technology Exam	569	75	4	3	23	45	21	7
Metal & Engineering Exam	324	70	4	2	13	36	36	10
Primary Industries Exam	569	75	4	4	23	48	22	2
Retail Services Exam	811	71	4	<1	9	45	31	12
Tourism, Travel & Events Exam	224	75	4	<1	24	53	22	1

**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 2018.  
(ii) The **P<sub>99</sub>, P<sub>90</sub>, P<sub>75</sub>, P<sub>50</sub>, P<sub>25</sub>** 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 <sub>99</sub>	P <sub>90</sub>	P <sub>75</sub>	P <sub>50</sub>	P <sub>25</sub>
Aboriginal Studies	625	HSC	33.8	7.6	49.0	48.0	44.5	39.5	33.5	28.0
		scaled	13.9	12.4	44.3	43.5	35.0	21.5	9.4	3.7
Agriculture	1,396	HSC	35.9	7.0	49.5	47.5	44.0	41.0	37.0	31.5
		scaled	19.0	11.1	45.5	41.8	34.3	27.7	18.6	9.4
Ancient History	8,177	HSC	36.6	6.9	49.5	48.0	44.5	42.0	37.5	32.5
		scaled	23.3	11.1	49.7	45.8	38.4	31.7	23.2	14.7
Biology	18,105	HSC	37.2	6.1	48.5	46.5	44.5	41.5	38.0	34.0
		scaled	26.3	10.0	50.0	44.8	39.2	34.1	27.0	18.7
Business Studies	17,611	HSC	37.0	6.0	49.5	47.5	44.5	42.0	37.5	33.0
		scaled	24.0	10.8	49.5	44.7	38.5	32.6	24.2	15.4
Chemistry	11,133	HSC	37.6	6.0	49.0	47.0	44.5	42.0	38.5	33.5
		scaled	31.5	9.5	50.0	46.8	42.6	38.8	33.1	25.5
Community & Family Studies	8,029	HSC	36.2	5.7	49.0	46.5	43.0	40.5	36.5	32.5
		scaled	18.9	10.4	44.3	40.6	33.8	27.0	18.2	10.1
Dance	922	HSC	39.7	5.7	49.5	48.5	45.5	43.5	40.5	37.0
		scaled	22.9	12.1	48.3	46.1	39.4	33.0	22.4	13.7
Design & Technology	3,305	HSC	39.2	4.8	49.0	48.0	45.0	42.5	39.5	36.5
		scaled	22.2	10.4	47.6	44.4	36.5	30.0	21.8	14.0
Drama	4,216	HSC	39.1	4.7	49.5	48.5	45.5	42.5	39.0	36.0
		scaled	23.5	10.9	49.8	46.6	38.7	31.9	23.0	15.0
Earth & Environmental Science	1,574	HSC	37.4	5.6	48.5	46.5	44.0	41.5	38.0	34.0
		scaled	24.2	10.3	48.7	44.1	37.3	32.3	24.6	16.5
Economics	5,190	HSC	38.3	5.9	49.0	47.5	45.5	43.0	39.0	34.0
		scaled	31.7	9.7	50.0	47.3	43.0	39.3	33.3	25.3
Engineering Studies	1,996	HSC	37.5	5.7	49.0	47.5	44.5	41.5	38.0	34.0
		scaled	26.1	10.0	49.2	45.6	38.8	33.8	26.7	18.7
English Standard	30,558	HSC	34.6	5.2	48.5	44.5	41.0	38.0	35.0	31.5
		scaled	20.1	8.7	48.0	40.1	31.8	26.4	19.9	13.5
English Advanced	26,127	HSC	40.5	4.1	49.5	47.5	45.5	43.5	41.0	38.0
		scaled	31.6	8.3	50.0	46.0	41.5	37.8	32.6	26.3
English Extension 1	4,064	HSC	42.5	4.2	50.0	49.0	47.0	46.0	43.0	40.0
		scaled	35.8	6.6	50.0	47.2	43.5	40.6	36.7	31.8
English Extension 2	1,525	HSC	38.1	5.9	50.0	49.0	46.0	43.0	38.0	34.0
		scaled	35.3	7.1	50.0	48.7	44.7	40.7	35.6	30.3
ESL	2,311	HSC	35.5	6.1	49.0	46.0	42.5	40.0	36.0	32.0
		scaled	22.7	11.1	49.8	45.1	37.6	31.2	22.6	14.1
Food Technology	3,144	HSC	36.7	6.2	49.5	48.0	45.0	41.5	37.0	32.5
		scaled	19.2	11.3	46.2	42.9	36.1	27.9	17.5	9.9
Geography	4,427	HSC	37.6	6.6	49.0	47.0	44.5	42.5	39.0	34.5
		scaled	25.0	11.2	50.0	46.0	39.2	33.7	26.0	17.0

**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 <sub>99</sub>	P <sub>90</sub>	P <sub>75</sub>	P <sub>50</sub>	P <sub>25</sub>
Industrial Technology	5,712	HSC	34.3	7.1	49.5	47.5	43.0	39.0	34.5	30.0
		scaled	17.1	9.8	41.1	38.5	31.2	24.3	15.8	8.8
Information Processes & Technology	2,496	HSC	36.9	6.3	48.5	47.0	44.0	41.5	38.0	33.5
		scaled	22.1	11.0	48.4	44.7	36.6	30.6	22.5	13.5
Legal Studies	10,309	HSC	37.7	6.6	49.0	47.5	45.0	42.5	39.0	34.0
		scaled	25.0	11.1	50.0	45.2	39.7	34.0	25.7	16.4
Mathematics General 2	30,824	HSC	35.2	6.8	50.0	48.0	43.5	40.0	35.5	31.0
		scaled	21.5	10.7	46.0	43.0	36.7	30.1	20.9	12.9
Mathematics	17,825	HSC	39.3	6.4	50.0	49.0	46.5	44.5	40.0	35.5
		scaled	31.2	9.4	50.0	47.3	42.4	38.4	32.5	25.4
Mathematics Extension 1	9,021	HSC	40.0	7.4	50.0	49.5	48.0	46.0	41.0	36.0
		scaled	39.4	6.8	50.0	49.2	46.9	44.4	40.7	36.0
Mathematics Extension 2	3,164	HSC	40.9	6.2	50.0	48.5	47.0	45.5	42.5	38.0
		scaled	43.7	4.3	50.0	49.0	47.5	46.4	44.8	42.2
Modern History	11,089	HSC	37.2	7.1	49.0	47.5	45.0	42.5	38.5	33.5
		scaled	25.5	11.3	50.0	46.1	39.8	34.4	26.8	17.1
History Extension	1,788	HSC	39.3	6.0	50.0	49.0	47.0	44.0	40.0	35.0
		scaled	33.6	6.7	49.1	47.0	42.0	38.5	33.8	29.3
Music 1	4,462	HSC	41.0	4.5	50.0	48.5	46.5	44.0	41.5	38.0
		scaled	21.3	10.6	46.8	43.3	36.1	29.4	20.8	12.8
Music 2	735	HSC	43.9	2.9	50.0	49.0	47.5	46.0	44.0	42.0
		scaled	33.7	8.0	50.0	47.5	43.6	40.0	34.7	27.7
Music Extension	451	HSC	45.2	5.0	50.0	50.0	50.0	49.0	47.0	43.0
		scaled	35.0	10.2	50.0	50.0	47.7	44.0	35.5	27.7
PDH&PE	15,986	HSC	36.4	6.1	49.0	47.0	44.0	41.0	36.5	32.5
		scaled	22.8	10.6	48.3	43.9	37.4	31.1	22.3	14.3
Physics	9,454	HSC	36.8	6.2	49.0	47.5	44.5	41.5	37.5	33.0
		scaled	30.5	9.6	50.0	46.8	42.2	38.1	32.0	23.9
Senior Science	6,536	HSC	35.6	6.0	49.0	46.5	42.5	39.5	36.5	33.0
		scaled	18.3	10.2	43.4	39.6	32.7	26.1	18.0	9.8
Society & Culture	4,520	HSC	38.7	5.8	50.0	48.0	45.5	43.0	39.5	35.5
		scaled	23.2	10.6	48.6	44.1	37.5	31.5	23.2	15.3
Software Design & Development	1,711	HSC	37.3	6.5	49.0	48.0	45.5	42.5	37.5	33.5
		scaled	24.6	10.7	48.9	45.0	38.9	33.1	24.5	16.5
Studies of Religion I	8,299	HSC	37.4	5.3	50.0	48.0	44.0	41.0	38.0	34.0
		scaled	28.1	8.6	48.3	44.3	39.3	34.6	28.5	22.1
Studies of Religion II	6,192	HSC	37.6	5.7	49.0	47.0	44.0	42.0	38.5	34.0
		scaled	27.4	9.9	50.0	45.3	39.8	35.0	28.3	20.5
Textiles & Design	1,454	HSC	38.7	5.4	49.5	48.0	45.5	43.0	39.0	35.0
		scaled	22.2	11.0	48.4	44.4	38.1	30.5	21.5	13.2
Visual Arts	8,751	HSC	40.1	3.9	50.0	47.5	45.0	43.0	40.0	37.5
		scaled	22.1	11.0	49.1	45.1	37.6	30.4	21.3	13.2
Arabic Continuers	241	HSC	39.1	5.1	49.0	47.5	44.0	42.5	40.0	37.0
		scaled	15.4	11.1	42.7	41.6	31.2	23.4	13.5	6.0
Arabic Extension	97	HSC	39.6	5.0	48.0	48.0	46.0	44.0	40.0	35.0
		scaled	22.6	7.8	40.4	40.4	31.9	28.3	23.0	15.8

**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 <sub>99</sub>	P <sub>90</sub>	P <sub>75</sub>	P <sub>50</sub>	P <sub>25</sub>
Armenian	21	HSC	40.6	4.6	48.0					
		scaled	25.2	11.5	50.0					
Chinese Beginners	47	HSC	40.3	6.4	49.5	49.5	49.0	46.5	40.0	35.0
		scaled	25.3	10.9	46.7	46.7	42.1	33.9	25.1	16.2
Chinese Continuers	173	HSC	43.7	3.2	49.0	48.5	47.5	46.0	44.5	42.0
		scaled	32.3	8.9	50.0	47.6	43.9	38.9	34.0	26.0
Chinese Extension	34	HSC	45.7	2.2	50.0					
		scaled	36.5	6.4	50.0					
Chinese & Literature	622	HSC	41.3	3.1	47.5	46.5	45.0	43.5	41.5	39.5
		scaled	23.5	10.2	48.5	46.1	38.1	30.6	23.5	16.1
Chinese in Context	122	HSC	44.1	3.2	49.0	48.5	47.5	46.5	44.5	42.5
		scaled	30.4	10.5	50.0	48.8	43.8	39.5	30.2	22.9
Classical Greek Continuers	18	HSC	44.5	3.7	48.5					
		scaled	38.8	9.2	50.0					
Classical Greek Extension	15	HSC	46.6	2.2	49.0					
		scaled	39.9	8.8	50.0					
Classical Hebrew Continuers	17	HSC	44.6	4.3	48.5					
		scaled	34.1	12.8	50.0					
Classical Hebrew Extension	10	HSC	46.7	2.4	49.0					
		scaled	37.4	9.5	50.0					
French Beginners	472	HSC	37.7	8.0	49.5	49.0	47.5	43.5	38.0	33.5
		scaled	24.0	11.3	49.1	48.0	40.4	31.9	23.2	15.6
French Continuers	635	HSC	41.0	5.2	49.5	48.5	47.0	45.0	42.0	38.0
		scaled	34.5	8.5	50.0	48.9	44.9	41.1	35.6	29.0
French Extension	151	HSC	40.7	6.3	49.0	48.0	47.0	46.0	43.0	37.0
		scaled	40.3	6.3	50.0	49.0	46.5	45.3	41.6	37.2
German Beginners	113	HSC	41.0	6.1	49.5	49.0	47.0	46.0	42.5	37.5
		scaled	25.4	10.1	47.8	46.8	37.8	34.3	25.8	17.9
German Continuers	183	HSC	40.9	4.8	49.0	49.0	47.0	45.5	41.0	38.0
		scaled	32.9	8.7	50.0	49.3	43.7	39.6	33.4	27.0
German Extension	41	HSC	42.9	4.1	49.0	49.0	48.0	46.0	42.0	41.0
		scaled	38.8	6.0	50.0	50.0	47.0	42.4	37.2	35.3
Hindi	24	HSC	42.9	4.5	47.5					
		scaled	27.8	10.0	46.8					
Indonesian Beginners	44	HSC	39.7	6.9	48.5	48.5	48.5	47.0	40.0	34.5
		scaled	26.5	13.2	50.0	50.0	47.0	38.4	25.5	15.6
Indonesian Continuers	62	HSC	41.9	4.9	49.5	49.5	47.5	45.5	42.5	39.0
		scaled	32.6	9.5	50.0	50.0	44.2	38.9	33.6	26.8
Indonesian Extension	16	HSC	42.2	5.6	49.0					
		scaled	35.8	9.2	50.0					
Indonesian & Literature	41	HSC	37.0	2.5	41.5	41.5	39.5	39.0	37.0	35.5
		scaled	31.9	7.5	48.4	48.4	41.3	38.1	31.5	25.6
Italian Beginners	317	HSC	37.4	7.8	49.5	49.5	47.0	43.5	38.0	32.5
		scaled	26.0	12.2	50.0	49.3	42.6	35.2	26.1	16.7

**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 <sub>99</sub>	P <sub>90</sub>	P <sub>75</sub>	P <sub>50</sub>	P <sub>25</sub>
Italian Continuers	242	HSC	39.7	5.5	48.5	48.0	46.0	44.0	41.0	36.0
		scaled	31.4	9.3	50.0	48.3	43.2	39.1	32.3	24.4
Italian Extension	61	HSC	42.8	4.1	49.0	49.0	47.0	46.0	44.0	40.0
		scaled	37.3	5.8	50.0	50.0	44.8	40.9	37.1	33.7
Japanese Beginners	718	HSC	37.7	7.0	49.5	48.0	45.5	43.0	39.0	34.0
		scaled	24.2	10.7	48.1	44.3	37.5	32.6	24.9	16.2
Japanese Continuers	679	HSC	40.8	5.5	50.0	49.5	47.5	45.5	41.5	37.5
		scaled	31.0	9.9	50.0	48.2	42.8	38.7	32.0	25.0
Japanese Extension	153	HSC	42.1	5.0	50.0	49.0	48.0	46.0	43.0	39.0
		scaled	38.2	5.1	50.0	47.7	44.2	42.5	38.3	35.2
Japanese in Context	30	HSC	42.4	3.5	48.0					
		scaled	25.4	9.9	47.0					
Khmer	18	HSC	41.4	2.0	45.0					
		scaled	17.7	10.5	41.8					
Korean Beginners	97	HSC	40.1	5.8	49.5	49.5	46.5	44.0	41.0	37.5
		scaled	26.6	10.2	47.1	47.1	39.3	33.6	27.1	21.3
Korean Continuers	14	HSC	45.4	3.6	49.5					
		scaled	27.1	10.0	45.3					
Korean & Literature	40	HSC	41.5	5.4	50.0	50.0	48.0	46.0	42.0	37.0
		scaled	21.9	11.4	48.0	48.0	38.6	28.8	19.5	12.1
Korean in Context	62	HSC	43.2	3.6	48.5	48.5	47.0	46.0	44.0	40.5
		scaled	28.1	10.1	49.8	49.8	41.5	35.9	29.3	19.8
Latin Continuers	156	HSC	43.8	3.8	49.5	49.0	47.5	47.0	44.5	41.5
		scaled	40.6	7.1	50.0	49.5	47.7	46.2	42.2	37.1
Latin Extension	94	HSC	46.5	3.0	50.0	50.0	49.0	48.0	47.0	46.0
		scaled	43.6	5.5	50.0	50.0	48.3	46.8	45.0	42.1
Macedonian	18	HSC	37.4	5.8	46.5					
		scaled	20.9	12.1	47.9					
Modern Greek Beginners	79	HSC	42.3	5.9	50.0	50.0	48.5	47.0	44.5	38.5
		scaled	25.4	11.9	50.0	50.0	40.5	34.4	27.1	15.3
Modern Greek Continuers	100	HSC	42.2	4.5	49.5	49.5	47.5	46.0	42.5	38.0
		scaled	26.9	11.7	50.0	48.9	42.3	36.2	26.5	15.6
Modern Greek Extension	48	HSC	43.5	4.6	50.0	50.0	49.0	47.0	44.0	40.0
		scaled	32.7	7.5	48.0	48.0	43.8	37.0	32.0	27.2
Modern Hebrew	39	HSC	45.1	3.0	49.0					
		scaled	35.1	5.5	45.0					
Persian	19	HSC	39.8	5.2	47.5					
		scaled	18.1	9.8	38.8					
Polish	14	HSC	45.5	3.1	49.5					
		scaled	31.9	10.7	50.0					
Portuguese	13	HSC	40.9	4.9	48.0					
		scaled	19.3	11.7	42.6					
Punjabi Continuers	12	HSC	42.8	3.2	48.0					
		scaled	28.0	7.8	43.6					
Russian	17	HSC	44.9	2.8	48.0					
		scaled	28.2	9.7	45.5					

**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 <sub>99</sub>	P <sub>90</sub>	P <sub>75</sub>	P <sub>50</sub>	P <sub>25</sub>
Serbian	24	HSC	43.0	3.5	49.0					
		scaled	20.8	11.0	47.1					
Spanish Beginners	204	HSC	38.5	6.2	49.0	48.5	45.5	43.0	39.0	35.0
		scaled	26.4	11.2	50.0	48.6	40.7	35.0	26.3	18.4
Spanish Continuers	129	HSC	38.8	4.4	47.0	47.0	44.0	42.0	39.5	36.5
		scaled	25.7	10.9	50.0	48.9	40.6	33.0	25.5	18.9
Spanish Extension	43	HSC	40.2	4.6	48.0	48.0	46.0	45.0	40.0	36.0
		scaled	31.2	6.9	46.1	46.1	39.2	37.7	30.3	25.7
Turkish	33	HSC	42.7	5.0	49.0					
		scaled	25.6	11.7	49.9					
Vietnamese	141	HSC	40.8	3.1	46.5	46.5	43.5	43.0	41.5	39.5
		scaled	22.8	10.7	48.2	48.2	35.3	30.7	24.4	14.3
Automotive Exam	193	HSC	35.2	5.3	48.5	47.5	43.0	38.0	34.5	32.0
		scaled	14.9	9.0	37.0	36.0	29.1	20.7	12.9	8.3
Business Services Exam	1,056	HSC	37.0	6.0	48.0	46.5	43.5	41.5	38.0	34.0
		scaled	19.0	10.4	44.4	41.7	34.2	27.2	18.6	10.4
Construction Exam	1,510	HSC	36.6	4.3	48.0	46.0	42.0	39.0	37.0	34.0
		scaled	15.0	9.7	38.9	37.3	29.4	21.8	13.8	6.8
Electrotechnology Exam	220	HSC	35.0	4.0	44.5	43.0	40.0	38.5	35.0	32.0
		scaled	17.5	8.5	38.1	36.0	29.2	24.9	16.6	10.4
Entertainment Industry Exam	813	HSC	37.6	5.3	48.0	46.0	44.0	41.5	38.5	34.5
		scaled	20.5	9.6	43.8	39.0	33.4	28.3	20.3	12.8
Financial Services Exam	61	HSC	36.8	3.9	44.0	44.0	42.0	40.0	37.5	34.0
		scaled	24.9	8.6	44.7	44.7	37.7	30.3	25.6	18.1
Hospitality Exam	4,715	HSC	36.4	5.3	47.5	46.0	43.0	40.5	37.0	32.5
		scaled	18.8	10.1	43.7	41.1	33.6	26.4	17.9	10.7
Human Services Exam	667	HSC	34.9	4.0	49.5	44.5	40.0	37.5	34.5	32.0
		scaled	18.8	9.5	42.1	39.7	33.1	26.2	17.4	10.9
Information & Digital Technology Exam	569	HSC	36.7	5.2	47.5	46.0	42.5	40.0	37.5	34.0
		scaled	18.3	10.1	42.7	40.2	32.9	25.8	17.7	9.9
Metal & Engineering Exam	324	HSC	34.6	5.4	46.5	45.0	41.0	38.0	35.0	32.0
		scaled	13.6	9.2	36.3	35.3	28.2	19.8	12.1	6.1
Primary Industries Exam	569	HSC	37.4	4.3	48.0	46.5	43.5	40.0	37.5	34.5
		scaled	16.9	9.4	39.9	38.3	31.5	23.6	15.2	9.1
Retail Services Exam	811	HSC	34.5	5.0	45.0	43.0	39.5	38.0	35.5	32.0
		scaled	16.4	10.7	42.7	40.7	30.3	24.9	15.2	7.5
Tourism, Travel & Events Exam	224	HSC	37.4	3.5	46.0	44.0	42.0	39.5	37.5	35.0
		scaled	20.7	8.9	42.0	38.8	33.4	26.3	19.9	13.7

**Table A4 Distributions of HSC marks by course: 2017 and 2018**

- 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	2018	625	90.1	76.2	56.0	35.0	8.2
	2017	575	86.8	73.4	53.6	27.7	9.6
Agriculture	2018	1,396	93.1	67.5	38.0	18.1	5.9
	2017	1,422	95.0	73.2	41.7	18.4	4.1
Ancient History	2018	8,177	90.4	63.5	36.7	15.1	4.5
	2017	8,834	91.1	63.5	38.1	18.4	6.7
Biology	2018	18,105	91.3	62.9	29.8	10.1	3.7
	2017	18,152	88.0	60.4	31.3	11.9	3.6
Business Studies	2018	17,611	91.5	62.6	34.9	12.4	2.2
	2017	17,469	91.7	63.3	34.4	12.7	4.5
Chemistry	2018	11,133	90.8	57.8	30.0	11.1	1.9
	2017	10,974	90.5	57.1	28.6	9.2	1.3
Community & Family Studies	2018	8,029	96.0	70.6	37.2	13.3	2.6
	2017	8,362	95.7	69.8	32.0	11.5	3.5
Dance	2018	922	86.2	44.6	16.1	4.9	1.7
	2017	925	87.2	46.3	18.3	3.0	1.4
Design & Technology	2018	3,305	88.2	53.2	16.4	3.3	0.6
	2017	3,158	88.7	56.6	22.6	5.1	0.8
Drama	2018	4,216	86.2	57.5	17.8	2.3	0.2
	2017	4,690	87.1	57.8	16.0	2.1	0.2
Earth & Environmental Science	2018	1,574	94.6	62.1	29.2	9.6	2.0
	2017	1,725	93.4	63.8	25.7	8.3	2.6
Economics	2018	5,190	86.8	53.4	27.6	7.6	1.5
	2017	5,261	85.5	50.8	25.9	7.6	2.9
Engineering Studies	2018	1,996	91.0	63.9	28.6	8.8	2.3
	2017	1,972	89.1	63.7	33.6	10.5	1.4
English Standard	2018	30,558	99.1	84.8	49.4	15.1	3.1
	2017	30,913	99.1	84.0	44.9	13.7	4.2
English Advanced	2018	26,127	86.2	37.3	9.5	1.4	0.2
	2017	26,779	84.8	36.3	8.2	1.4	0.4
English Extension 1	2018	4,064	62.1	21.6	4.3	0.7	0.2
	2017	4,333	70.0	26.3	6.5	1.6	0.7
English Extension 2	2018	1,525	83.3	59.9	28.6	6.3	1.0
	2017	1,672	79.4	51.9	22.4	3.9	0.4
ESL	2018	2,311	96.9	74.4	43.1	15.3	3.9
	2017	2,336	94.7	74.5	44.0	17.5	6.9
Food Technology	2018	3,144	89.8	67.1	37.2	13.8	2.6
	2017	3,305	91.5	69.7	40.1	18.2	3.8
Geography	2018	4,427	91.6	56.3	25.9	11.7	4.2
	2017	4,589	92.3	57.7	26.3	10.8	3.4



**Table A4 Distributions of HSC marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Industrial Technology	2018	5,712	93.8	77.4	51.2	23.4	7.8
	2017	5,726	94.3	77.5	52.6	25.1	8.2
Information Processes & Technology	2018	2,496	93.1	62.5	32.0	12.7	4.2
	2017	2,684	92.5	69.7	34.2	18.3	5.4
Legal Studies	2018	10,309	87.7	55.5	27.0	14.2	3.9
	2017	10,797	86.9	55.8	24.9	8.3	3.3
Mathematics General 2	2018	30,824	93.4	73.1	46.9	20.1	5.4
	2017	31,543	93.1	74.2	49.3	25.4	8.4
Mathematics	2018	17,825	77.5	48.1	22.1	7.4	2.0
	2017	17,060	76.4	46.3	24.8	9.1	2.9
Mathematics Extension 1	2018	9,021	67.1	40.4	20.1	9.5	3.6
	2017	8,770	61.8	36.3	18.1	8.2	2.6
Mathematics Extension 2	2018	3,164	66.8	34.3	14.4	5.9	2.1
	2017	3,223	66.4	36.1	15.9	6.2	2.4
Modern History	2018	11,089	89.5	57.8	28.4	14.8	6.2
	2017	11,139	90.7	60.8	28.7	13.5	5.7
History Extension	2018	1,788	76.3	48.6	21.1	4.5	1.5
	2017	2,004	78.3	48.0	20.2	6.0	2.0
Music 1	2018	4,462	78.9	35.1	9.7	1.6	0.3
	2017	4,757	79.5	34.3	10.3	1.3	0.4
Music 2	2018	735	58.4	8.6	0.3	0.0	0.0
	2017	748	63.1	10.8	0.1	0.0	0.0
Music Extension	2018	451	33.0	13.3	4.0	0.9	0.2
	2017	409	36.7	18.8	5.1	1.5	0.0
PDH&PE	2018	15,986	93.2	66.5	38.8	13.6	3.5
	2017	15,679	91.1	69.1	40.2	18.7	6.5
Physics	2018	9,454	90.4	66.1	34.7	12.9	2.7
	2017	9,573	89.3	66.0	32.5	11.5	4.1
Senior Science	2018	6,536	96.0	78.2	37.9	11.8	4.8
	2017	7,061	93.8	75.4	39.8	13.1	5.5
Society & Culture	2018	4,520	87.3	52.6	22.3	6.9	1.9
	2017	4,537	87.1	52.4	20.5	6.6	1.8
Software Design & Development	2018	1,711	86.5	62.7	34.3	10.5	3.2
	2017	1,801	88.0	64.1	34.2	11.3	3.3
Studies of Religion I	2018	8,299	91.0	63.2	29.5	6.6	1.0
	2017	9,011	84.5	50.0	17.8	4.3	0.5
Studies of Religion II	2018	6,192	93.3	58.8	29.0	9.3	2.2
	2017	5,954	93.0	53.3	22.3	7.2	1.7
Textiles & Design	2018	1,454	85.6	53.5	24.2	5.2	0.6
	2017	1,471	86.2	49.4	22.6	6.7	1.6
Visual Arts	2018	8,751	87.6	46.6	8.2	0.6	0.1
	2017	9,071	87.3	45.3	9.7	1.1	0.1
Arabic Continuers	2018	241	92.1	49.8	11.6	2.9	1.2
	2017	265	90.2	41.9	9.1	2.6	0.4
Arabic Extension	2018	97	79.4	48.5	22.7	1.0	0.0
	2017	109	79.8	54.1	23.9	2.8	0.0

**Table A4 Distributions of HSC marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Chinese Beginners	2018	47	61.7	46.8	23.4	8.5	0.0
	2017	63	61.9	49.2	31.7	15.9	1.6
Chinese Continuers	2018	173	54.9	12.7	1.7	0.0	0.0
	2017	128	54.7	20.3	10.9	0.8	0.0
Chinese & Literature	2018	622	87.3	28.9	3.1	0.3	0.0
	2017	721	84.5	32.9	4.2	0.6	0.1
Chinese in Context	2018	122	54.9	5.7	1.6	0.8	0.0
	2017	98	60.2	12.2	0.0	0.0	0.0
French Beginners	2018	472	78.4	58.3	31.1	14.0	5.1
	2017	538	77.7	55.6	27.5	13.6	4.3
French Continuers	2018	635	71.0	35.7	11.0	3.3	0.6
	2017	698	74.5	34.2	9.9	2.9	0.7
French Extension	2018	151	61.6	33.1	17.9	7.9	2.0
	2017	164	59.8	30.5	6.7	1.2	0.0
German Beginners	2018	113	65.5	31.9	15.9	5.3	0.9
	2017	112	57.1	25.9	11.6	0.9	0.0
German Continuers	2018	183	72.1	42.6	10.9	1.1	0.0
	2017	226	74.3	41.2	12.4	2.2	0.0
German Extension	2018	41	63.4	14.6	2.4	2.4	0.0
	2017	58	58.6	17.2	0.0	0.0	0.0
Indonesian Continuers	2018	62	64.5	30.6	9.7	1.6	0.0
	2017	74	73.0	36.5	10.8	2.7	1.4
Indonesian & Literature	2018	41	100.0	90.2	22.0	0.0	0.0
	2017	73	95.9	35.6	1.4	0.0	0.0
Italian Beginners	2018	317	80.4	58.7	35.0	13.9	5.4
	2017	339	83.8	64.6	34.8	15.0	5.3
Italian Continuers	2018	242	79.3	44.2	21.9	5.8	1.2
	2017	282	77.7	43.3	13.5	5.0	0.0
Italian Extension	2018	61	59.0	16.4	6.6	0.0	0.0
	2017	53	50.9	15.1	1.9	0.0	0.0
Japanese Beginners	2018	718	85.8	55.0	28.4	14.1	4.3
	2017	712	83.4	59.6	34.3	16.4	5.5
Japanese Continuers	2018	679	71.3	38.9	14.3	4.6	0.1
	2017	679	71.9	38.9	17.8	5.7	1.5
Japanese Extension	2018	153	58.2	29.4	9.2	1.3	0.0
	2017	162	63.0	30.2	9.9	1.2	0.6
Korean Beginners	2018	97	78.4	40.2	17.5	6.2	2.1
	2017	95	70.5	34.7	11.6	3.2	0.0
Korean in Context	2018	62	56.5	14.5	1.6	0.0	0.0
	2017	64	51.6	20.3	6.3	1.6	0.0
Latin Continuers	2018	156	50.0	13.5	2.6	0.6	0.0
	2017	159	47.8	18.2	5.0	1.3	0.6

**Table A4 Distributions of HSC marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with HSC mark less than:				
			45	40	35	30	25
Latin Extension	2018	94	14.9	3.2	1.1	1.1	0.0
	2017	90	28.9	13.3	3.3	0.0	0.0
Modern Greek Beginners	2018	79	50.6	32.9	13.9	5.1	0.0
	2017	84	52.4	22.6	10.7	4.8	0.0
Modern Greek Continuers	2018	100	69.0	30.0	5.0	0.0	0.0
	2017	78	62.8	26.9	12.8	5.1	1.3
Spanish Beginners	2018	204	84.3	54.9	24.0	9.8	1.5
	2017	255	86.7	52.2	20.4	9.0	0.8
Spanish Continuers	2018	129	96.1	53.5	17.8	4.7	0.8
	2017	171	94.2	56.1	19.9	3.5	0.0
Spanish Extension	2018	43	74.4	46.5	11.6	0.0	0.0
	2017	53	81.1	47.2	22.6	3.8	1.9
Vietnamese	2018	141	96.5	29.8	3.5	1.4	0.0
	2017	145	88.3	33.8	6.2	1.4	0.0
Automotive Exam	2018	193	94.8	82.4	50.8	15.0	1.6
	2017	287	95.5	87.1	46.0	14.6	1.4
Business Services Exam	2018	1,056	94.8	64.9	27.8	10.8	2.9
	2017	1,102	93.5	61.3	23.9	9.9	2.2
Construction Exam	2018	1,510	97.7	81.5	30.0	5.5	0.3
	2017	1,616	97.8	81.3	36.9	9.0	0.5
Electrotechnology Exam	2018	220	100.0	88.6	49.1	11.8	0.0
	2017	223	99.1	86.5	49.3	7.6	1.3
Entertainment Industry Exam	2018	813	93.7	61.1	25.3	10.1	1.2
	2017	941	90.2	61.1	24.3	8.3	1.3
Financial Services Exam	2018	61	100.0	72.1	34.4	1.6	0.0
	2017	81	95.1	67.9	42.0	13.6	1.2
Hospitality Exam	2018	4,715	97.3	71.4	34.7	14.5	0.6
	2017	5,084	96.4	69.9	32.4	12.0	1.7
Human Services Exam	2018	667	99.1	89.5	51.1	9.1	0.4
	2017	674	97.9	79.2	32.3	6.1	0.1
Information & Digital Technology Exam	2018	569	97.0	74.2	29.5	8.6	2.1
	2017	716	97.5	76.1	29.5	7.7	1.3
Metal & Engineering Exam	2018	324	98.1	85.2	48.8	12.3	2.5
	2017	413	99.8	91.8	62.7	25.9	8.0
Primary Industries Exam	2018	569	96.5	73.1	25.1	3.0	0.7
	2017	662	95.6	69.5	29.5	7.7	0.8
Retail Services Exam	2018	811	99.9	91.2	46.0	14.9	2.6
	2017	860	99.8	90.6	42.7	12.6	1.7
Tourism, Travel & Events Exam	2018	224	99.6	75.9	23.2	1.3	0.0
	2017	274	99.6	77.4	19.0	4.0	0.0

**Table A5 Distributions of scaled marks by course: 2017 and 2018**

- 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	2018	625	100.0	95.4	89.9	85.3	79.5	71.7	63.5
	2017	575	100.0	96.3	89.9	85.0	81.4	75.1	65.4
Agriculture	2018	1,396	99.9	97.6	91.0	80.6	68.5	53.7	39.7
	2017	1,422	99.9	96.9	89.4	80.7	68.9	57.2	41.8
Ancient History	2018	8,177	98.6	92.7	82.7	70.4	55.3	40.3	25.8
	2017	8,834	98.7	93.0	82.2	68.2	52.8	37.7	24.4
Biology	2018	18,105	99.0	91.9	77.9	60.6	43.7	28.5	15.5
	2017	18,152	98.3	90.0	76.9	61.2	45.0	29.6	16.5
Business Studies	2018	17,611	99.2	93.1	81.6	67.5	52.4	37.4	24.0
	2017	17,469	99.2	92.9	81.6	66.9	51.9	37.3	23.5
Chemistry	2018	11,133	96.3	79.6	57.9	38.7	23.5	13.5	6.8
	2017	10,974	96.1	79.4	58.0	39.3	25.2	14.7	6.6
Community & Family Studies	2018	8,029	100.0	98.6	92.0	82.2	69.9	55.3	39.6
	2017	8,362	100.0	98.9	92.7	82.8	70.5	56.3	40.8
Dance	2018	922	97.1	90.9	80.0	68.4	57.5	43.8	29.2
	2017	925	98.6	93.0	80.3	68.1	56.5	41.1	27.7
Design & Technology	2018	3,305	99.1	94.9	86.9	75.0	60.8	44.7	28.0
	2017	3,158	99.0	94.6	87.3	74.9	60.6	44.2	30.6
Drama	2018	4,216	98.0	91.9	82.5	70.3	56.4	40.9	25.0
	2017	4,690	97.9	91.7	82.7	71.8	56.8	40.3	24.1
Earth & Environmental Science	2018	1,574	99.4	94.4	82.6	68.1	51.1	35.2	21.2
	2017	1,725	99.0	95.0	83.7	70.4	54.6	38.6	24.1
Economics	2018	5,190	95.5	78.5	56.4	38.6	24.3	13.1	6.6
	2017	5,261	96.1	78.3	54.0	35.1	21.9	12.8	6.8
Engineering Studies	2018	1,996	98.6	92.7	79.5	62.0	44.0	28.5	15.3
	2017	1,972	98.5	91.3	78.7	62.6	45.6	29.9	15.8
English Standard	2018	30,558	99.9	98.9	95.1	85.9	70.0	50.4	30.7
	2017	30,913	99.9	99.0	94.8	86.0	71.1	50.8	30.5
English Advanced	2018	26,127	98.0	84.2	61.2	38.6	21.3	9.8	3.9
	2017	26,779	97.4	83.3	61.6	39.7	22.1	10.5	4.1
English Extension 1	2018	4,064	95.2	71.8	39.6	18.5	6.0	2.0	0.6
	2017	4,333	95.5	71.4	38.6	17.1	5.7	2.1	0.9
English Extension 2	2018	1,525	91.2	72.4	48.0	23.7	7.5	2.2	0.5
	2017	1,672	90.7	71.0	45.5	24.0	7.1	1.3	0.4
ESL	2018	2,311	99.0	93.8	84.0	71.6	56.0	42.3	27.5
	2017	2,336	98.4	92.8	84.5	72.5	58.9	44.2	30.2
Food Technology	2018	3,144	99.8	96.0	88.5	78.7	68.9	56.6	42.9
	2017	3,305	99.9	96.6	87.5	76.8	63.9	51.7	37.2
Geography	2018	4,427	98.6	91.7	79.2	63.4	47.1	32.7	21.0
	2017	4,589	98.3	91.2	78.0	62.1	46.9	32.9	20.5

**Table A5 Distributions of scaled marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Industrial Technology	2018	5,712	100.0	99.6	95.4	87.8	76.5	62.4	47.5
	2017	5,726	100.0	99.7	95.9	87.9	76.6	63.4	47.7
Information Processes & Technology	2018	2,496	99.2	95.1	86.4	73.4	58.5	42.9	28.0
	2017	2,684	99.4	95.1	87.6	75.7	61.3	44.4	29.6
Legal Studies	2018	10,309	98.8	90.9	78.1	63.3	48.3	34.2	22.0
	2017	10,797	98.4	90.0	77.0	61.8	46.0	31.5	19.2
Mathematics General 2	2018	30,824	99.8	95.5	86.6	75.0	61.8	47.2	31.8
	2017	31,543	99.9	96.4	87.4	74.8	60.9	45.8	30.3
Mathematics	2018	17,825	96.4	81.5	60.5	40.5	24.0	13.2	6.8
	2017	17,060	94.0	78.7	60.0	41.1	25.3	14.6	8.1
Mathematics Extension 1	2018	9,021	78.8	45.6	21.4	9.9	3.9	1.5	0.6
	2017	8,770	77.5	48.6	24.0	10.1	3.4	1.0	0.1
Mathematics Extension 2	2018	3,164	52.5	13.7	4.6	1.5	0.7	0.3	0.1
	2017	3,223	60.1	17.4	5.2	2.0	1.0	0.4	0.1
Modern History	2018	11,089	98.1	90.6	76.6	60.7	44.7	31.3	20.6
	2017	11,139	98.5	89.9	75.7	60.0	44.5	30.5	19.3
History Extension	2018	1,788	97.4	82.7	57.2	29.8	9.7	2.6	1.0
	2017	2,004	97.3	82.9	54.8	26.9	9.6	3.8	1.0
Music 1	2018	4,462	99.8	96.1	87.7	76.5	62.8	47.5	31.9
	2017	4,757	99.6	95.8	88.2	76.0	61.9	46.6	30.0
Music 2	2018	735	94.3	74.8	52.2	31.8	15.8	6.1	1.6
	2017	748	91.8	72.6	50.4	30.5	14.6	5.9	1.7
Music Extension	2018	451	79.2	64.1	47.9	32.4	18.6	8.4	3.1
	2017	409	79.7	65.3	44.7	29.3	16.9	6.4	1.7
PDH&PE	2018	15,986	99.4	94.5	84.6	72.0	57.9	43.1	27.0
	2017	15,679	99.8	95.2	84.8	71.2	57.1	42.5	27.5
Physics	2018	9,454	96.9	82.8	62.0	42.8	28.1	16.6	7.8
	2017	9,573	96.8	81.2	61.1	43.8	28.9	17.2	8.8
Senior Science	2018	6,536	100.0	99.3	93.9	84.9	72.1	57.1	40.4
	2017	7,061	100.0	99.2	93.6	84.1	72.4	57.0	40.5
Society & Culture	2018	4,520	99.2	94.1	85.2	71.0	55.5	39.4	24.0
	2017	4,537	98.9	93.7	84.0	70.6	55.4	38.7	24.0
Software Design & Development	2018	1,711	98.8	91.9	79.5	66.4	51.3	36.1	20.8
	2017	1,801	99.3	92.8	80.9	68.0	53.0	37.0	22.4
Studies of Religion I	2018	8,299	99.4	91.9	76.2	56.0	35.2	18.4	7.3
	2017	9,011	99.4	92.7	76.3	56.2	36.3	19.2	8.8
Studies of Religion II	2018	6,192	98.7	90.6	75.0	56.5	38.5	23.8	12.8
	2017	5,954	98.8	91.4	75.4	55.9	37.7	23.1	12.7
Textiles & Design	2018	1,454	99.1	93.2	84.7	73.7	60.2	46.0	30.5
	2017	1,471	98.2	91.8	83.5	72.6	57.8	42.6	29.7
Visual Arts	2018	8,751	98.9	93.8	85.1	73.8	60.3	45.8	30.2
	2017	9,071	99.0	94.1	85.5	73.7	60.5	45.9	31.5

**Table A5 Distributions of scaled marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Arabic Continuers	2018	241	100.0	98.3	94.2	86.3	78.4	66.8	56.4
	2017	265	100.0	97.4	91.7	83.0	75.8	62.6	48.7
Arabic Extension	2018	97	100.0	99.0	91.8	83.5	59.8	38.1	19.6
	2017	109	100.0	100.0	95.4	76.1	59.6	33.0	13.8
Chinese Beginners	2018	47	95.7	89.4	78.7	61.7	48.9	29.8	21.3
	2017	63	92.1	87.3	74.6	66.7	55.6	46.0	33.3
Chinese Continuers	2018	173	93.6	77.5	57.8	36.4	23.1	12.1	1.7
	2017	128	93.8	76.6	55.5	32.8	18.8	11.7	7.0
Chinese & Literature	2018	622	98.2	93.6	85.5	73.6	55.9	38.7	21.9
	2017	721	98.2	92.8	84.7	73.0	60.1	45.6	27.2
Chinese in Context	2018	122	93.4	76.2	61.5	49.2	31.1	19.7	5.7
	2017	98	90.8	75.5	67.3	39.8	25.5	13.3	1.0
French Beginners	2018	472	97.0	89.6	81.4	69.1	54.7	37.9	22.5
	2017	538	97.8	90.3	79.7	66.9	49.8	34.9	21.6
French Continuers	2018	635	90.2	70.1	47.6	28.0	13.2	5.5	1.9
	2017	698	91.7	72.6	47.3	25.5	12.8	6.2	2.6
French Extension	2018	151	70.9	38.4	18.5	8.6	2.6	0.7	0.0
	2017	164	84.1	50.6	18.3	3.0	1.2	0.0	0.0
German Beginners	2018	113	98.2	93.8	78.8	62.8	46.9	31.9	15.9
	2017	112	96.4	91.1	78.6	50.0	39.3	25.9	15.2
German Continuers	2018	183	91.8	76.0	56.8	33.9	18.0	9.8	2.2
	2017	226	88.9	71.2	50.0	31.0	17.3	6.2	2.2
German Extension	2018	41	85.4	58.5	22.0	2.4	2.4	0.0	0.0
	2017	58	89.7	53.4	20.7	5.2	1.7	0.0	0.0
Indonesian Continuers	2018	62	91.9	77.4	54.8	38.7	22.6	14.5	1.6
	2017	74	94.6	83.8	70.3	45.9	28.4	14.9	5.4
Indonesian & Literature	2018	41	97.6	85.4	61.0	43.9	22.0	4.9	0.0
	2017	73	98.6	93.2	76.7	32.9	6.8	1.4	1.4
Italian Beginners	2018	317	92.7	84.9	74.8	59.3	46.1	34.1	21.5
	2017	339	97.3	89.4	80.2	66.7	54.3	35.4	20.9
Italian Continuers	2018	242	94.6	78.9	62.4	42.1	25.6	13.2	5.4
	2017	282	96.5	85.1	61.7	40.4	20.6	8.9	4.3
Italian Extension	2018	61	90.2	67.2	36.1	11.5	1.6	0.0	0.0
	2017	53	92.5	67.9	26.4	7.5	1.9	0.0	0.0
Japanese Beginners	2018	718	99.3	95.1	82.2	66.3	50.3	34.8	22.0
	2017	712	98.2	93.3	81.5	67.4	54.5	40.0	26.8
Japanese Continuers	2018	679	95.1	80.0	60.8	42.1	25.2	14.3	7.5
	2017	679	95.4	79.5	59.8	42.0	24.3	13.1	6.3
Japanese Extension	2018	153	90.8	62.1	24.2	5.2	1.3	0.0	0.0
	2017	162	91.4	67.9	29.6	4.9	1.2	0.0	0.0
Korean Beginners	2018	97	95.9	90.7	79.4	64.9	40.2	22.7	13.4
	2017	95	98.9	94.7	83.2	55.8	36.8	24.2	14.7
Korean in Context	2018	62	98.4	88.7	69.4	51.6	37.1	29.0	9.7
	2017	64	92.2	85.9	76.6	62.5	42.2	28.1	20.3
Latin Continuers	2018	156	66.0	42.3	16.7	7.7	2.6	1.9	1.3
	2017	159	74.8	39.0	17.6	7.5	4.4	1.3	1.3

**Table A5 Distributions of scaled marks by course: 2017 and 2018**

Course	Year	Number	Percentage of students with scaled mark less than:						
			45	40	35	30	25	20	15
Latin Extension	2018	94	48.9	14.9	6.4	2.1	1.1	1.1	1.1
	2017	90	56.7	30.0	13.3	4.4	1.1	0.0	0.0
Modern Greek Beginners	2018	79	94.9	89.9	77.2	59.5	45.6	35.4	24.1
	2017	84	96.4	84.5	75.0	65.5	45.2	33.3	16.7
Modern Greek Continuers	2018	100	93.0	84.0	70.0	58.0	46.0	31.0	23.0
	2017	78	93.6	88.5	75.6	64.1	55.1	35.9	23.1
Spanish Beginners	2018	204	95.1	87.7	75.0	59.3	46.6	27.9	17.2
	2017	255	96.5	87.8	76.5	61.2	46.3	32.5	18.8
Spanish Continuers	2018	129	96.9	86.8	79.8	65.1	47.3	31.0	18.6
	2017	171	95.3	87.1	79.5	63.7	48.5	35.7	19.3
Spanish Extension	2018	43	95.3	90.7	67.4	46.5	20.9	2.3	0.0
	2017	53	96.2	79.2	66.0	32.1	20.8	7.5	1.9
Vietnamese	2018	141	97.9	96.5	87.9	70.9	51.8	39.0	27.0
	2017	145	98.6	93.8	84.8	76.6	60.0	43.4	28.3
Automotive Exam	2018	193	100.0	100.0	98.4	94.8	82.4	71.0	56.5
	2017	287	100.0	100.0	98.6	93.0	86.1	74.6	59.9
Business Services Exam	2018	1,056	100.0	97.8	91.1	82.6	72.1	55.0	38.3
	2017	1,102	100.0	98.6	93.5	85.2	69.8	58.3	41.0
Construction Exam	2018	1,510	100.0	100.0	97.7	90.5	81.5	70.8	54.8
	2017	1,616	100.0	100.0	97.3	90.7	79.6	68.4	52.8
Electrotechnology Exam	2018	220	100.0	100.0	98.2	93.2	77.3	63.6	42.3
	2017	223	100.0	100.0	96.4	91.0	78.9	63.2	46.2
Entertainment Industry Exam	2018	813	100.0	99.0	92.1	81.7	65.2	48.8	30.0
	2017	941	100.0	99.1	92.1	80.2	64.2	44.6	27.8
Financial Services Exam	2018	61	100.0	95.1	86.9	72.1	47.5	31.1	14.8
	2017	81	95.1	91.4	84.0	67.9	49.4	25.9	16.0
Hospitality Exam	2018	4,715	100.0	98.2	93.1	84.0	71.5	58.5	41.5
	2017	5,084	100.0	98.3	93.2	84.1	73.1	57.1	38.7
Human Services Exam	2018	667	100.0	99.1	94.8	84.4	71.5	57.9	40.8
	2017	674	100.0	99.3	93.9	86.1	74.9	55.2	39.0
Information & Digital Technology Exam	2018	569	100.0	98.9	93.7	85.6	74.2	56.9	39.4
	2017	716	100.0	99.4	95.7	87.6	76.1	58.2	41.9
Metal & Engineering Exam	2018	324	100.0	100.0	98.1	92.9	85.2	76.5	61.7
	2017	413	100.0	100.0	97.6	91.8	84.5	70.0	54.2
Primary Industries Exam	2018	569	100.0	100.0	97.0	88.8	78.0	63.1	47.5
	2017	662	100.0	100.0	96.4	92.1	79.9	66.9	52.7
Retail Services Exam	2018	811	100.0	98.6	93.3	87.7	79.3	64.4	47.7
	2017	860	100.0	98.4	94.7	86.5	78.1	64.8	48.8
Tourism, Travel & Events Exam	2018	224	100.0	99.6	92.4	82.6	64.7	52.2	28.6
	2017	274	100.0	96.7	91.2	79.9	62.8	44.2	26.3

**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 2018 or a previous year, and received an ATAR in 2018.
- (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	355	102	29	75	98.90
Agriculture	1,042	431	41	80	99.70
Ancient History	7,432	2,974	40	85	99.95
Biology	17,489	7,802	45	82	99.95
Business Studies	16,397	5,938	36	85	99.95
Chemistry	11,095	6,673	60	76	99.95
Community & Family Studies	6,621	2,017	30	89	99.65
Dance	811	261	32	61	99.35
Design & Technology	2,847	1,022	36	73	99.30
Drama	3,733	1,374	37	74	99.95
Earth & Environmental Science	1,444	551	38	84	99.90
Economics	5,145	2,781	54	77	99.95
Engineering Studies	1,941	1,033	53	72	99.90
English Standard	27,992	8,241	29	100	99.40
English Advanced	25,973	12,811	49	99	99.95
English Extension 1	4,061	2,744	68	86	99.95
English Extension 2	1,522	898	59	79	99.90
ESL	2,162	733	34	100	99.95
Food Technology	2,475	761	31	86	99.10
Geography	4,097	1,632	40	84	99.95
Industrial Technology	3,858	1,254	33	72	97.55
Information Processes & Technology	2,275	1,081	48	73	99.95
Legal Studies	9,815	3,931	40	85	99.95
Mathematics General 2	27,797	8,657	31	71	99.65
Mathematics	16,931	9,672	57	71	99.95
Mathematics Extension 1	8,987	6,474	72	89	99.95
Mathematics Extension 2	3,186	1,625	51	98	99.95
Modern History	10,300	4,414	43	85	99.95
History Extension	1,779	1,402	79	81	99.95
Music 1	3,733	1,371	37	65	99.65
Music 2	740	542	73	68	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 Extension	444	343	77	69	99.95
PDH&PE	14,467	4,982	34	85	99.95
Physics	9,425	5,333	57	74	99.95
Senior Science	5,175	1,682	33	83	98.15
Society & Culture	4,157	1,336	32	86	99.85
Software Design & Development	1,602	809	50	72	99.85
Studies of Religion I	8,130	7,062	87	81	99.85
Studies of Religion II	5,944	1,739	29	86	99.90
Textiles & Design	1,237	396	32	81	99.45
Visual Arts	7,424	2,541	34	73	99.80
Arabic Continuers	213	114	54	77	93.00
Arabic Extension	84	75	89	80	93.00
Armenian	31	20	65	45	90.80
Chinese Beginners	46	15	33	67	98.60
Chinese Continuers	165	112	68	58	99.90
Chinese Extension	34	30	88	77	99.90
Chinese & Literature	609	200	33	66	99.90
Chinese in Context	124	62	50	65	99.85
Classical Greek Continuers	18	16	89	69	99.90
Classical Greek Extension	15	13	87	69	99.95
Classical Hebrew Continuers	19	16	84	88	99.55
Classical Hebrew Extension	12	12	100	75	98.50
French Beginners	438	170	39	79	98.65
French Continuers	625	433	69	68	99.95
French Extension	149	127	85	84	99.95
German Beginners	104	36	35	64	97.95
German Continuers	189	115	61	71	99.95
German Extension	43	37	86	86	99.95
Hindi	25	20	80	55	99.30
Indonesian Beginners	41	22	54	64	99.40
Indonesian Continuers	61	35	57	71	99.70
Indonesian Extension	16	12	75	75	99.70
Indonesian & Literature	41	24	59	63	98.45
Italian Beginners	292	127	43	75	99.60
Italian Continuers	225	138	61	69	99.65
Italian Extension	59	44	75	80	99.65
Japanese Beginners	687	215	31	76	99.20
Japanese Continuers	658	375	57	62	99.95
Japanese Extension	154	115	75	80	99.80
Japanese in Context	30	12	40	67	92.30
Khmer	17	1	6	0	85.90
Korean Beginners	95	27	28	89	96.05
Korean Continuers	14	5	36	100	95.50

**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	38	13	34	77	98.75
Korean in Context	61	23	38	78	99.05
Latin Continuers	155	133	86	61	99.95
Latin Extension	94	86	91	76	99.95
Macedonian	18	10	56	80	98.15
Modern Greek Beginners	73	29	40	86	98.00
Modern Greek Continuers	87	63	72	60	99.40
Modern Greek Extension	45	40	89	93	98.10
Modern Hebrew	46	24	52	79	99.55
Persian	20	7	35	57	87.95
Polish	15	10	67	80	96.80
Portuguese	11	6	55	50	78.10
Punjabi Continuers	12	9	75	67	94.70
Russian	21	7	33	57	90.75
Serbian	23	10	43	70	79.85
Spanish Beginners	188	79	42	66	99.85
Spanish Continuers	123	68	55	74	98.65
Spanish Extension	40	35	88	91	94.80
Tamil	26	25	96	64	99.00
Turkish	31	14	45	57	96.40
Vietnamese	134	45	34	76	98.60
Automotive Exam	122	52	43	58	87.60
Business Services Exam	879	333	38	74	97.25
Construction Exam	1,024	329	32	74	95.40
Electrotechnology Exam	156	62	40	61	87.50
Entertainment Industry Exam	706	236	33	81	97.70
Financial Services Exam	56	14	25	79	94.90
Hospitality Exam	4,207	1,347	32	76	98.75
Human Services Exam	590	242	41	78	96.85
Information & Digital Technology Exam	505	207	41	69	97.45
Metal & Engineering Exam	204	86	42	59	90.45
Primary Industries Exam	367	154	42	72	91.30
Retail Services Exam	651	271	42	70	94.75
Tourism, Travel & Events Exam	188	61	32	66	90.90

## 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 2018 was 69.65.

ATAR	Number	Number on or above	Percentage on or above
99.95	46	46	0.1
99.90	46	92	0.2
99.85	48	140	0.2
99.80	46	186	0.3
99.75	45	231	0.4
99.70	47	278	0.5
99.65	50	328	0.6
99.60	46	374	0.7
99.55	42	416	0.7
99.50	49	465	0.8
99.45	48	513	0.9
99.40	49	562	1.0
99.35	47	609	1.1
99.30	43	652	1.2
99.25	50	702	1.3
99.20	44	746	1.3
99.15	47	793	1.4
99.10	44	837	1.5
99.05	48	885	1.6
99.00	49	934	1.7
99.00 - 99.95	934	934	1.7
98.00 - 98.95	940	1,874	3.3
97.00 - 97.95	934	2,808	5.0
96.00 - 96.95	941	3,749	6.7
95.00 - 95.95	934	4,683	8.3
94.00 - 94.95	938	5,621	10.0
93.00 - 93.95	940	6,561	11.7
92.00 - 92.95	940	7,501	13.4
91.00 - 91.95	935	8,436	15.0
90.00 - 90.95	935	9,371	16.7
89.00 - 89.95	945	10,316	18.4
88.00 - 88.95	919	11,235	20.0
87.00 - 87.95	939	12,174	21.7
86.00 - 86.95	935	13,109	23.4
85.00 - 85.95	944	14,053	25.0
84.00 - 84.95	927	14,980	26.7
83.00 - 83.95	931	15,911	28.3
82.00 - 82.95	930	16,841	30.0
81.00 - 81.95	912	17,753	31.6
80.00 - 80.95	928	18,681	33.3
79.00 - 79.95	923	19,604	34.9
78.00 - 78.95	918	20,522	36.6

**Table A7 ATAR distribution**

ATAR	Number	Number on or above	Percentage on or above
77.00 - 77.95	913	21,435	38.2
76.00 - 76.95	930	22,365	39.8
75.00 - 75.95	898	23,263	41.4
74.00 - 74.95	900	24,163	43.1
73.00 - 73.95	901	25,064	44.7
72.00 - 72.95	910	25,974	46.3
71.00 - 71.95	893	26,867	47.9
70.00 - 70.95	894	27,761	49.5
69.00 - 69.95	875	28,636	51.0
68.00 - 68.95	876	29,512	52.6
67.00 - 67.95	867	30,379	54.1
66.00 - 66.95	884	31,263	55.7
65.00 - 65.95	847	32,110	57.2
64.00 - 64.95	860	32,970	58.7
63.00 - 63.95	841	33,811	60.2
62.00 - 62.95	833	34,644	61.7
61.00 - 61.95	833	35,477	63.2
60.00 - 60.95	807	36,284	64.6
59.00 - 59.95	828	37,112	66.1
58.00 - 58.95	794	37,906	67.5
57.00 - 57.95	784	38,690	68.9
56.00 - 56.95	783	39,473	70.3
55.00 - 55.95	770	40,243	71.7
54.00 - 54.95	739	40,982	73.0
53.00 - 53.95	758	41,740	74.4
52.00 - 52.95	737	42,477	75.7
51.00 - 51.95	708	43,185	76.9
50.00 - 50.95	708	43,893	78.2
49.00 - 49.95	688	44,581	79.4
48.00 - 48.95	672	45,253	80.6
47.00 - 47.95	665	45,918	81.8
46.00 - 46.95	639	46,557	82.9
45.00 - 45.95	632	47,189	84.1
44.00 - 44.95	604	47,793	85.2
43.00 - 43.95	590	48,383	86.2
42.00 - 42.95	560	48,943	87.2
41.00 - 41.95	554	49,497	88.2
40.00 - 40.95	538	50,035	89.1
39.00 - 39.95	509	50,544	90.1
38.00 - 38.95	487	51,031	90.9
37.00 - 37.95	458	51,489	91.7
36.00 - 36.95	447	51,936	92.5
35.00 - 35.95	421	52,357	93.3
34.00 - 34.95	396	52,753	94.0
33.00 - 33.95	366	53,119	94.6
32.00 - 32.95	342	53,461	95.3
31.00 - 31.95	320	53,781	95.8
30.00 - 30.95	288	54,069	96.3

## Table A8 ATAR percentiles: 2014–2018

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

Percentile	ATAR 2014	ATAR 2015	ATAR 2016	ATAR 2017	ATAR 2018
100	99.95	99.95	99.95	99.95	99.95
99	99.35	99.40	99.40	99.35	99.40
98	98.75	98.75	98.75	98.75	98.80
95	96.95	96.95	96.95	96.90	97.00
90	93.95	93.95	93.95	93.85	94.00
85	90.90	90.90	90.90	90.80	91.00
80	87.85	87.85	87.85	87.75	88.00
75	84.80	84.75	84.75	84.70	85.00
70	81.70	81.65	81.60	81.60	82.00
60	75.40	75.25	75.25	75.40	75.85
50	68.95	68.70	68.65	69.00	69.65
40	62.15	61.70	61.65	62.40	63.15
30	54.70	54.05	53.95	55.35	56.20

**Table A9 Relationship between the ATAR and aggregates: 2014–2018**

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

ATAR	Lowest aggregate				
	2014	2015	2016	2017	2018
99.95	475.3	478.1	476.6	477.1	476.3
99.50	454.0	457.9	455.8	457.1	455.5
99.00	444.5	446.9	446.0	446.6	444.5
98.00	431.2	432.4	431.2	432.2	429.9
95.00	404.4	404.2	403.8	404.1	402.8
90.00	372.2	371.2	371.7	372.4	371.1
85.00	345.1	343.8	345.3	344.8	343.1
80.00	320.6	319.9	320.6	319.9	318.2
75.00	296.9	297.0	297.5	296.2	294.5
70.00	275.0	274.8	275.1	273.3	271.1
65.00	253.3	253.1	253.4	249.4	248.1
60.00	231.9	231.4	231.4	226.6	224.1
55.00	210.8	211.4	210.9	204.2	201.0
50.00	189.9	191.9	191.4	182.0	178.0