

## 2017 Scaling Report

VCAA provides VTAC with study scores (relative positions). These study scores are scaled in order to calculate scaled aggregates and Australian Tertiary Admission Ranks (ATARs). Candidates are in the 2017 scaling population if, excluding small studies, they have obtained at least one VCAA study score in 2017, at least four in total, at least one in an English study [English, English (EAL), English Language or Literature], but do not already have an ATAR. The scaling population is therefore a subset of the entire population. The means and standard deviations below pertain to the scaling population in 2017.

The following table gives the 2017 scaled means and standard deviations as well as the VTAC scaled study scores (rounded to the nearest integer) corresponding to the study scores of 20, 25, 30, 35, 40, 45 and 50. The formal aggregation process uses VTAC scaled study scores to two decimal places, but the following information gives an indication of how scaling adjusts scores in the various studies.

Code	2017 Study	Mean	St. Dev.	20	25	30	35	40	45	50
AC	Accounting	30.6	7.2	20	25	30	36	41	46	50
AH	Agricultural & Horticultural Studies	24.5	6.9	14	19	23	28	34	41	50
AL03	Algorithmics (HESS)	35.1	6.5	24	30	35	40	44	48	50
AT	Art	27.2	7.6	14	20	26	32	38	45	50
BI	Biology	30.5	7.2	20	25	30	36	41	46	50
BM	Business Management	26.7	7.2	16	21	26	31	37	43	50
CH	Chemistry	33.8	7.2	22	28	34	39	44	47	50
CC	Classical Studies	30.1	7.6	19	24	30	36	41	46	50
<b>Computing:</b>										
IT02	Informatics	25.7	6.9	14	19	24	30	36	43	50
IT03	Software Development	27.7	6.9	16	21	26	32	38	44	50
DA	Dance	28.3	6.7	19	24	29	34	39	44	50
DR	Drama	27.9	7.2	17	22	27	33	39	44	50
EC	Economics	32.3	7.0	22	27	32	37	42	46	50
EN	English	28.1	7.5	17	22	28	33	39	45	50
EF	English (EAL)	29.4	7.9	17	23	29	35	41	46	50
EG	English Language	32.8	7.0	22	28	33	38	43	47	50
EV	Environmental Science	28.4	7.2	18	22	28	33	38	44	50
XI03	Extended Investigation	32.3	7.2	21	27	32	38	43	47	50
FT	Food Studies	24.0	7.2	14	18	23	28	35	42	50
GE	Geography	28.8	7.1	18	23	29	34	40	45	50
HH	Health and Human Development	26.5	7.3	16	21	26	31	37	43	50
<b>History:</b>										
HI17	Ancient History	27.8	8.1	15	21	27	34	40	46	50
HA	Australian History	27.9	8.1	16	21	27	33	40	45	50
HR	Revolutions	29.3	7.6	18	23	29	35	40	46	50
IE	Industry and Enterprise	22.5	7.3	9	14	20	27	35	43	50
<b>Languages:</b>										
AR	Arabic	29.4	6.8	18	24	29	34	40	45	50
AM	Armenian			Small Study or no candidates, see Note below						
AU	Auslan	30.8	7.3	20	25	30	35	40	45	50
LO50	Bosnian			Small Study or no candidates, see Note below						
LO53	Chin Hakha	30.5	5.6	21	25	28	32	37	42	50
CN	Chinese First Language	35.3	7.4	20	28	34	40	45	48	50
CK	Chinese Second Lang. Adv.	38.0	7.3	26	32	38	43	47	51	53
CL	Chinese Second Language	40.4	6.6	30	36	41	45	49	52	54
AG	Classical Greek	39.6	6.7	29	35	41	45	48	51	53
CR	Croatian	31.6	6.4	22	28	33	39	43	47	50
DU	Dutch			Small Study or no candidates, see Note below						
FP	Filipino	31.6	6.4	21	25	30	35	39	44	50
FR	French	40.3	6.6	30	36	41	45	49	52	53
GN	German	38.4	6.4	29	34	39	43	47	49	51
MG	Greek	34.2	6.3	24	29	34	39	43	47	50
HB	Hebrew	41.1	6.2	31	37	43	47	50	52	54
HI	Hindi	35.7	7.2	20	27	34	40	45	49	50
HU	Hungarian			Small Study or no candidates, see Note below						
AI	Indigenous Languages			Small Study or no candidates, see Note below						
IN	Indonesian First Language			Small Study or no candidates, see Note below						
IX	Indonesian Second Lang.	37.0	6.5	26	33	38	42	46	48	50
IL	Italian	36.5	6.0	27	33	37	41	44	47	50
JA	Japanese First Language			Small Study or no candidates, see Note below						
JS	Japanese Second Language	38.1	6.7	27	33	39	43	47	50	51
LO55	Karen	23.6	5.9	17	21	25	29	34	40	50
KH	Khmer	28.5	5.6	19	23	28	32	37	43	50
KO	Korean First Language			Small Study or no candidates, see Note below						

KS	Korean Second Language	39.0	5.8	27	34	39	44	47	49	51
LA	Latin	45.0	6.1	35	41	46	50	52	54	55
MA	Macedonian	31.3	5.1	25	28	31	35	38	42	50
ML	Maltese			Small Study or no candidates, see Note 1 below						
PN	Persian	27.9	6.6	16	21	26	32	38	44	50
PO	Polish	35.3	5.9	24	29	34	38	42	46	50
PG	Portuguese	31.7	3.5	23	27	30	34	38	43	50
LO49	Punjabi	31.5	7.3	19	25	31	37	42	47	50
RO	Romanian			Small Study or no candidates, see Note below						
RU	Russian	36.5	7.2	24	31	37	42	46	49	51
SE	Serbian	31.2	4.8	23	26	30	33	37	42	50
SI	Sinhala	35.5	6.2	24	29	34	39	43	47	50
SP	Spanish	35.0	7.0	23	29	35	40	44	48	50
SW	Swedish			Small Study or no candidates, see Note below						
TA	Tamil			Small Study or no candidates, see Note below						
TU	Turkish	30.3	7.4	17	22	28	34	39	45	50
UK	Ukrainian			Small Study or no candidates, see Note below						
LO54	Vietnamese First Language	32.4	6.3	21	27	32	37	42	46	50
VT	Vietnamese Second Lang.	36.0	6.7	24	30	36	40	45	48	50
	<b>All small LOTES</b>			24	30	35	40	44	48	51
LS	Legal Studies	28.3	7.5	17	22	28	34	39	45	50
LI	Literature	30.8	7.3	20	25	31	36	41	46	50
	<b>Mathematics:</b>									
NF	Further Mathematics	27.7	7.1	18	23	27	33	38	44	50
NJ	Mathematical Methods	34.0	8.4	21	28	35	40	45	49	51
NS	Specialist Mathematics	40.3	8.1	27	35	41	47	51	53	55
ME	Media	26.3	7.3	15	20	25	31	37	44	50
	<b>Music:</b>									
MC05	Music Investigation	30.0	7.2	21	25	28	32	36	41	50
MC04	Music Performance	29.8	7.1	19	24	30	35	40	45	50
MD	Music Style and Composition	31.1	7.4	19	25	32	38	43	47	50
OS	Outdoor and Environmental Studies	25.0	6.9	15	19	24	29	34	41	50
PL	Philosophy	29.2	7.6	17	23	29	34	40	45	50
PE	Physical Education	27.2	7.3	17	21	27	32	38	44	50
PH	Physics	32.0	7.2	21	26	32	37	42	47	50
	<b>Politics:</b>									
PS03	Australian Politics	32.1	7.2	21	27	32	38	42	47	50
PS05	Global Politics	32.3	7.2	21	27	33	38	42	47	50
DT	Product Design and Technology	24.2	7.0	13	18	23	28	35	42	50
PY	Psychology	28.3	7.3	18	23	28	33	39	45	50
RS	Religion and Society	28.6	7.5	18	23	28	34	39	45	50
SO03	Sociology	25.5	7.5	15	19	25	30	36	43	50
SA	Studio Arts	26.1	7.4	14	19	24	30	37	44	50
SE03	Systems Engineering	25.6	6.5	15	19	24	30	36	42	50
TT	Texts and Traditions	29.5	7.8	20	24	29	34	39	44	50
TS	Theatre Studies	28.7	7.2	18	23	28	34	39	45	50
VC	Visual Communication Design	26.8	7.2	16	21	26	32	38	44	50
	<b>VCE VET:</b>									
BU23	VCE VET Business	25.7	7.2	15	19	23	28	34	41	50
CT41	VCE VET Community Services	24.2	6.9	14	18	23	28	34	41	50
MU07	VCE VET Creative and Digital Media	25.4	6.7	16	20	25	30	35	42	50
DN06	VCE VET Dance	27.0	7.0	18	22	27	32	37	43	50
EG16	VCE VET Engineering Studies	23.9	5.8	18	21	25	30	34	40	50
EQ05	VCE VET Equine Studies	27.3	7.4	16	20	26	31	37	44	50
FN19	VCE VET Furnishing	24.0	5.3	18	21	25	30	34	40	50
IN60	VCE VET Information Technology	25.5	6.2	16	20	24	29	34	41	50
ET16	VCE VET Integrated Technologies	23.6	7.7	13	17	22	28	35	43	50
HS32	VCE VET Hospitality (Kitchen Operations)	25.4	6.6	15	19	24	29	34	41	50
HS31	VCE VET Hospitality	26.0	7.2	15	20	25	30	36	42	50
LB21	VCE VET Laboratory Skills	30.8	6.5	20	25	31	36	41	46	50
MI19	VCE VET Music Performance	26.8	6.6	17	21	26	31	36	42	50
MI30	VCE VET Music Sound Production	26.5	6.8	16	20	25	29	35	41	50
SR41	VCE VET Sport and Recreation	23.8	6.7	14	18	22	27	33	40	50

NOTE: Small LOTE Studies were not scaled by the automatic procedure, since their eligible scaling population was less than or equal to ten. The means and standard deviations are not given in these cases, since they are not as useful. For small VCE Languages, the Language adjustment is the maximum of zero and the average Language adjustment over the previous three years. The ATAR Scaled Scores for small VCE Languages in 2017 are shown at the end of the Languages section of the above table under the title "All small LOTES".

## 2017 Scaled Aggregate to ATAR Table

Based on the 2017 scaling and aggregation process, the following table gives an indication of the minimum scaled aggregate required to achieve at least a particular ATAR. The table can be used to check roughly an ATAR calculation.

<b>2017 ATAR</b>	<b>Minimum Scaled 2017 Aggregate for ATAR</b>
40.00	90.94
45.00	96.99
50.00	102.67
55.00	108.62
60.00	114.45
62.00	116.79
64.00	119.20
65.00	120.33
66.00	121.65
68.00	124.21
70.00	126.82
72.00	129.38
74.00	132.05
75.00	133.50
76.00	134.89
78.00	137.81
80.00	140.92
82.00	144.03
84.00	147.38
85.00	149.19
86.00	151.09
88.00	155.02
90.00	159.13
91.00	161.43
92.00	163.96
93.00	166.57
94.00	169.41
95.00	172.53
96.00	176.16
97.00	180.31
97.50	182.75
98.00	185.52
98.50	188.47
99.00	192.67
99.25	195.00
99.50	198.43
99.60	200.17
99.70	202.35
99.80	205.06
99.90	208.57