2021 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 2021 scaling population if, excluding small studies, they have obtained at least one VCAA study score in 2021, 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 2021.

The following table gives the 2021 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	2021 Study	Mean	St. Dev.	20	25	30	35	40	45	50
AC	Accounting	30.2	7.6	19	25	30	36	41	46	50
AH	Agricultural & Horticultural Studies	23.9	6.9	14	18	23	28	35	42	50
AL03	Algorithmics (HESS)	35.7	7.4	23	30	36	42	46	49	50
	Applied Computing:									
IT02	Data Analytics	26.5	7.2	15	20	25	31	37	43	50
IT03	Software Development	28.0	7.3	16	21	27	33	39	45	50
AT	Art	27.2	7.5	15	20	26	32	39	45	50
BI	Biology	30.4	7.5	19	25	30	36	41	46	50
BM	Business Management	26.9	7.4	16	21	26	32	38	44	50
CH	Chemistry	33.6	7.3	22	28	34	39	44	47	50
CC	Classical Studies	30.8	7.3	20	26	31	37	42	46	50
DA	Dance	29.8	7.2	19	24	29	35	40	45	50
DR	Drama	28.2	7.0	18	23	28	33	39	44	50
EC	Economics	31.6	7.1	21	26	32	37	42	46	50
EN	English	28.1	7.6	17	22	28	33	39	45	50
EF	English (EAL)	28.4	8.1	16	22	28	34	40	46	50
EG	English Language	32.4	7.4	21	27	33	38	43	47	50
EV	Environmental Science	27.7	7.3	18	23	28	33	39	44	50
XI03	Extended Investigation	32.8	6.7	22	27	33	38	42	47	50
FT	Food Studies	24.3	7.3	14	18	23	29	35	42	50
GE	Geography	28.4	7.2	18	23	28	33	39	44	50
HH	Health and Human Development	26.5	7.3	16	21	26	31	37	44	50
	History:									
HI17	Ancient History	27.6	8.3	15	21	27	33	40	46	50
HA	Australian History	27.7	7.9	16	21	27	33	40	45	50
HR	Revolutions	28.8	7.7	17	23	28	34	40	45	50
IE	Industry and Enterprise	24.9	9.2	12	17	24	31	38	45	50
	Languages:									
AR	Arabic	29.5	6.7	18	23	29	34	39	45	50
AM	Armenian			Small Study or no candidates, see Note below						
AU	Auslan	28.4	7.2	18	22	27	32	37	43	50
BE	Bengali			Small Study or no candidates, see Note below						
LO50	Bosnian			Small Study or no candidates, see Note below						
LO53	Chin Hakha	30.7	7.1	18	22	26	31	36	42	50
CN	Chinese First Language	33.6	8.1	22	29	36	41	45	48	50
LO57	Chinese Language Culture and Society	31.8	6.7	22	27	31	36	41	45	50
CK	Chinese Second Language Advanced	37.5	7.3	26	33	38	43	47	50	52
CL	Chinese Second Language	39.6	6.7	30	36	41	45	48	51	53
AG	Classical Greek	37.5	6.2	24	30	36	41	45	48	50
LO51	Classical Hebrew			Small Study or no candidates, see Note below						
CR	Croatian			Small Study or no candidates, see Note below						
DU	Dutch			Small Study or no candidates, see Note below						
FP	Filipino			Small Study or no candidates, see Note below						
FR	French	39.9	6.9	29	35	41	45	49	52	54
GN	German	38.2	7.1	27	33	39	44	47	50	52
MG	Greek	33.3	6.5	23	28	33	37	42	46	50
HB	Hebrew	40.2	6.0	31	37	41	45	48	51	52
HI	Hindi	38.0	7.6	25	31	38	43	47	51	53
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 Language	36.6	6.9	25	32	37	42	46	48	50
IL	Italian	36.0	6.5	26	31	36	41	45	48	50
JA	Japanese First Language			Small Study or no candidates, see Note below						
JS	Japanese Second Language	37.1	7.1	26	32	38	43	46	49	51
LO55	Karen	30.5	6.8	20	24	28	32	37	42	50
KH	Khmer	30.9	6.8	20	25	30	35	40	45	50
KO	Korean First Language			Small Study or no candidates, see Note below						

Code	2021 Study	Mean	St. Dev.	20	25	30	35	40	45	50
KS	Korean Second Language	38.2	7.3	27	32	37	42	46	49	53
LA	Latin	45.0	6.4	35	41	46	50	53	54	55
MA	Macedonian	30.4	5.5	21	25	29	32	36	41	50
ML	Maltese			Small Study or no candidates, see Note below						
PN	Persian	30.4	6.3	22	25	29	32	36	41	50
PO	Polish	33.4	3.9	28	31	33	36	39	43	50
PG	Portuguese	29.8	7.3	16	21	27	33	39	45	50
LO49	Punjabi	33.2	6.9	22	28	34	39	44	48	50
RO	Romanian			Small Study or no candidates, see Note below						
RU	Russian	38.1	5.1	27	33	37	41	45	48	50
SE	Serbian	32.0	5.3	23	27	30	34	38	42	50
SI	Sinhala	39.4	7.9	23	29	34	40	44	49	53
SP	Spanish	35.2	6.5	24	30	35	40	44	47	50
SW	Swedish			Small Study or no candidates, see Note below						
TA	Tamil			Small Study or no candidates, see Note below						
TU	Turkish	29.9	6.6	18	23	28	34	39	44	50
LO54	Vietnamese First Language	32.8	6.9	21	27	32	37	42	46	50
LO31	Vietnamese Second Language	35.8	7.3	23	30	36	41	45	49	50
LO52	Yiddish			Small Study or no candidates, see Note below						
	All small LOTEs			24	30	35	40	44	48	51
LS	Legal Studies	28.3	7.6	17	22	28	34	39	45	50
LI	Literature	31.3	7.3	20	26	31	37	42	46	50
	Mathematics:									
NF	Further Mathematics	27.6	7.2	17	22	27	33	38	44	50
NJ	Mathematical Methods	33.7	8.4	21	28	34	40	45	49	51
NS	Specialist Mathematics	40.5	8.1	28	35	42	47	51	54	55
ME	Media	26.5	7.3	15	20	25	31	37	44	50
	Music:									
MC05	Music Investigation	29.9	7.2	20	24	28	32	36	41	50
MC04	Music Performance	29.8	7.2	19	24	30	35	40	45	50
MD	Music Style and Composition	32.1	7.0	20	25	31	36	42	46	50
OS	Outdoor and Environmental Studies	25.1	7.0	15	19	24	29	35	42	50
PL	Philosophy	30.2	7.5	18	24	30	35	41	46	50
PE	Physical Education	27.5	7.4	17	22	27	33	38	44	50
PH	Physics	31.7	7.5	20	26	32	37	42	47	50
	Politics:									
PS03	Australian Politics	31.3	8.5	19	25	32	38	43	47	50
PS05	Global Politics	31.8	7.4	21	26	32	37	42	47	50
DT	Product Design and Technology	24.8	7.0	13	18	23	28	35	42	50
PY	Psychology	28.3	7.4	17	23	28	34	39	45	50
RS	Religion and Society	28.8	7.5	17	23	29	34	40	45	50
SO03	Sociology	25.5	7.8	14	19	25	31	38	44	50
SA	Studio Arts	26.7	7.4	15	20	25	31	38	44	50
SE03	Systems Engineering	26.1	6.8	15	19	24	30	36	43	50
TT	Texts and Traditions	28.1	7.0	18	23	28	33	38	44	50
TS	Theatre Studies	28.8	7.1	19	23	29	34	39	44	50
VC	Visual Communication Design	27.0	7.2	16	21	26	32	38	44	50
	VCE VET:									
BU23	VCE VET Business	24.8	7.9	13	18	23	29	36	43	50
CT41	VCE VET Community Services	24.9	7.1	15	19	24	29	34	41	50
MU07	VCE VET Creative and Digital Media	26.7	6.9	16	21	25	30	36	42	50
DN06	VCE VET Dance	27.7	6.9	18	22	26	30	35	41	50
EG16	VCE VET Engineering Studies	24.2	6.1	18	22	26	30	35	40	50
EQ08	VCE VET Equine Studies	28.5	6.8	16	21	26	32	38	44	50
FN19	VCE VET Furnishing	23.9	5.2	14	18	22	27	32	39	50
CT37	VCE VET Health Services	25.1	7.3	15	19	24	30	36	42	50
HS31	VCE VET Hospitality	26.7	6.9	16	21	26	31	37	43	50
HS32	VCE VET Hospitality (Kitchen Operations)	25.6	6.8	16	20	24	29	35	42	50
IN60	VCE VET Information Technology	24.7	6.3	15	19	24	29	34	41	50
ET16	VCE VET Integrated Technologies	21.4	7.5	17	21	26	31	36	42	50
LB21	VCE VET Laboratory Skills	28.9	7.4	19	23	28	33	39	44	50
MI19	VCE VET Music Performance	26.1	6.7	17	21	26	30	35	41	50
MI30	VCE VET Music Sound Production	26.9	6.3	17	22	26	31	36	42	50
SR41	VCE VET Sport and Recreation	23.6	6.6	14	18	23	28	34	41	50

Note: Small LOTE (Languages Other Than English) 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 2021 are shown at the end of the Languages section of the above table under the title "All small LOTEs".