

California Critical Thinking Skills Tests(CCTST) Performance Report 2004-2005

Distribution by College

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
THEC	540	18.19	61-67	18.00	18.27	5.40	0.23	1	31	15.00	22.00
Colleges											
Agricultural Sciences and Natural Resources	95	18.59	61-67	19.00	18.62	4.72	0.48	9	31	15.00	22.00
	32	18.28	61-67	18.50	18.21	4.16	0.74	10	27	14.25	21.00
Architecture and Design	48	20.42	73-79	20.00	20.43	4.43	0.64	11	29	18.00	24.00
	11	21.27	79-83	21.00	21.11	3.35	1.01	17	27	18.00	24.00
Arts and Sciences	309	18.17	61-67	18.00	18.25	5.77	0.33	1	31	14.00	22.00
	210	17.70	54-61	18.00	17.85	5.54	0.38	1	31	14.00	22.00
Business Administration	297	18.79	61-67	19.00	18.91	5.81	0.34	1	32	15.00	23.00
	113	19.12	67-73	19.00	19.21	5.49	0.52	2	30	15.00	24.00
Communication and Information	141	16.32	46-54	16.00	16.36	4.92	0.41	3	28	13.00	20.00
	53	16.34	46-54	17.00	16.34	5.30	0.73	5	28	12.50	20.00
Education, Health and Human Sciences	104	16.87	46-54	17.00	16.76	4.15	0.41	9	26	13.00	19.00
	63	16.97	46-54	17.00	16.90	4.17	0.53	9	26	13.00	20.00
Engineering	180	21.58	79-83	22.00	21.69	4.71	0.35	8	32	18.00	25.00
	37	22.30	83-87	22.00	22.42	5.16	0.85	10	30	18.00	27.00
Nursing	97	17.36	54-61	17.00	17.40	4.95	0.50	5	31	14.00	21.00
	16	16.19	46-54	15.50	16.07	5.43	1.36	6	28	13.00	20.25
Social Work	21	18.43	61-67	18.00	18.36	3.41	0.75	13	25	16.00	20.00
	5	22.20	83-87	22.00	22.20	1.92	0.86	20	25	20.50	24.00

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Distribution for the College of Agriculture Sciences & Natural Resources

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	95	18.59	61-67	19.00	18.62	4.72	0.48	9	31	15.00	22.00
Majors											
Agricultural Economics & Business	20	18.6	61-67	20.00	18.67	3.676	0.82	12	24	15.00	21.00
Animal Science	23	17.65	54-61	19.00	17.63	4.83	1.01	9	27	13.00	21.00
Biosystems Engineering	10	21.20	79-83	19.00	21.00	5.29	1.67	15	31	17.00	25.00
Environmental & Soil Sciences	10	20.70	73-79	20.00	20.61	3.16	1.00	16	27	18.00	22.00
Food Science & Technology	3	21	79-83	24.00	- [†]	6.083	3.51	14	25	14.00	24.00
Forestry	11	16.64	46-54	15.00	16.54	5.85	1.77	9	26	12.00	21.00
Plant Sciences & Landscape Systems	16	18.44	61-67	19.00	18.54	4.70	1.18	9	26	15.00	22.00
Wildlife & Fisheries Science	2	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]	- [‡]

*N for college is out of the university N.

[†]Not enough cases to compute

[‡] Both cases received same score so statistics not available

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Distribution for the College of Architecture and Design

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	48	20.42	73-79	20.00	20.43	4.43	0.64	11	29	18.00	24.00
<u>Majors</u>											
Architecture	24	20.50	73-79	20	20.49	5.03	1.03	12	29	17.00	25.00
Interior Design	24	20.33	73-79	20	20.45	3.84	0.78	11	27	18.00	23.00

*N for college is out of the university N.

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Distribution for the College of Arts and Sciences

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	309	18.17	61-67	18.00	18.25	5.77	0.33	1	31	14.00	22.00
<u>Majors</u>											
Biological Sciences	5	20.00	73-79	18.00	19.72	3.94	1.76	18	27	18.00	19.00
Classics	2	22.50	83-87	17.00	- †	7.78	5.50	17	28	17.00	28.00
College Scholars	2	25.00	93-95	20.00	- †	7.07	5.00	20	30	20.00	30.00
English	6	23.33	87-91	22.00	23.37	5.61	2.29	16	30	18.00	28.00
Economics	5	22.20	83-87	19.00	22.00	5.50	2.46	18	30	18.00	26.00
French	2	18.50	61-67	18.00	- †	0.71	0.50	18	19	18.00	19.00
Geography	4	15.50	38-46	15.00	15.50	6.14	3.07	8	23	8.00	16.00
Geology	1	- †	- †	- †	- †	- †	- †	- †	- †	- †	- †
History	75	18.85	61-67	18.00	18.82	5.10	0.59	8	31	15.00	23.00
Interdisciplinary Programs	6	19.33	67-73	20.00	19.65	5.72	2.33	9	24	17.00	24.00
Italian	1	- †	- †	- †	- †	- †	- †	- †	- †	- †	- †

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	309	18.17	61-67	18.00	18.25	5.77	0.33	1	31	14.00	22.00
<u>Majors</u>											
Mathematics	14	20.14	73-79	21.00	20.05	7.85	2.10	11	31	12.00	26.00
Philosophy	2	12.00	17-23	8.00	- †	5.66	4.00	8	16	8.00	16.00
Political Science	148	17.36	54-61	18.00	17.57	5.96	0.49	1	30	14.00	22.00
Pre-Teaching	2	10.50	8-12	10.00	- †	0.71	0.50	10	11	10.00	11.00
Psychology	20	18.45	61-67	19.00	18.56	4.92	1.10	10	25	14.00	22.00
Religious studies	2	16.00	46-54	14.00	- †	2.83	2.00	14	18	14.00	18.00
Sociology	6	17.50	54-61	17.00	17.44	3.89	1.59	13	23	14.00	21.00
Spanish	1	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡
Theatre	1	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡	- ‡
Undecided	3	20.67	73-79	21.00	- †	5.51	3.18	15	26	15.00	21.00

*N for college is out of the university N.

†Not enough cases to compute

‡ Omitted because only one score provided

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Distribution for College of Business Administration

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	297	18.79	61-67	19.00	18.91	5.81	0.34	1	32	15.00	23.00
<u>Majors</u>											
Accounting	57	19.39	67-73	20.00	19.57	5.96	0.79	1	30	16.00	24.00
Business Studies	10	21.4	79-83	22.00	21.39	5.78	1.83	12	31	16.00	24
Economics	2	23.00	87-91	16.00	- †	9.90	7.00	16	30	16.00	30.00
Finance	73	18.41	61-67	19.00	18.66	6.65	0.78	1	31	14.00	23.00
General Management	22	19.00	67-73	19.00	19.02	5.72	1.22	6	32	16.00	21.00
Human Resource Development	6	15.33	38-46	15.00	15.26	4.84	1.98	9	23	12.00	18.00
Logistics and Transportation	51	18.31	61-67	19.00	18.47	5.69	0.80	2	29	14.00	22.00
Marketing	70	18.69	61-67	19.00	18.71	4.89	0.58	6	29	15.00	22.00
Public Administration	4	17.50	54-61	15.00	17.56	4.12	2.06	13	21	13.00	21.00
Statistics	2	25.00	93-95	24.00	- †	1.41	1.00	24	26	24.00	26.00

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†Not enough cases to compute

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Distribution for College of Communication and Information

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	141	16.32	46-54	16.00	16.36	4.92	0.14	3	28	13.00	20.00
<u>Majors</u>											
Advertising	51	17.78	54-61	17.00	17.61	4.01	0.56	11	28	14.00	20.00
Electronic Media	29	17.72	54-61	17.00	17.73	4.63	0.86	9	27	15.00	21.00
Journalism	31	17.03	54-61	17.00	17.09	4.76	0.86	8	25	13.00	20.00
Speech Communication	30	11.73	12-17	12.00	11.69	4.13	0.75	3	22	9.00	14.00

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Distribution for College of Education, Health and Human Sciences

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	104	16.87	46-54	17.00	16.76	4.15	0.41	9	26	13.00	19.00
<u>Majors</u>											
Art Education	1	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡
Child Development	1	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡
Exercise Science	9	19.89	67-73	20	19.82	1.83	0.61	18	23	18.00	21.00
Family Studies	2	18.00	61-67	16	_ †	2.83	2.00	16	20	16.00	20.00
Hotel & Restaurant Administration	24	16.75	46-54	16	16.61	4.84	0.99	10	26	12.00	19.00
Nutrition	13	18.38	61-67	18	18.48	4.48	1.24	10	25	15.00	21.00
Recreation & Leisure Studies	4	13.75	23-30	13	13.72	4.11	2.06	9	19	9.00	14.00
Retail & Consumer Sciences	20	17.05	54-61	17	16.89	3.68	0.82	11	26	13.00	19.00
Special Education	19	15.68	38-46	16	15.76	3.42	0.78	10	20	13.00	19.00
Sport Management	10	15.30	38-46	14	15.11	4.97	1.57	10	24	11.00	18.00

*N for college is out of the university N.

†Not enough cases to compute

‡Omitted because only one score provided

California Critical Thinking Skills Tests(CCTST) Performance Report 2004-2005

Distribution for College of Engineering

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
*College	180	21.58	79-83	22.00	21.69	4.71	0.35	8	32	18.00	25.00
<u>Majors</u>											
Aerospace Engineering	23	22.22	83-87	22	22.20	4.35	0.91	15	30	18.00	25.00
Biomedical Engineering	30	22.70	83-87	23	22.78	4.77	0.87	12	32	18.00	26.00
Chemical Engineering	14	23.29	87-91	23	23.37	4.12	1.10	16	29	20.00	27.00
Civil Engineering	16	20.00	73-79	20	19.94	4.633	1.158	12	29	16.00	22.00
Computer Engineering	2	25.00	93-95	24	_ †	1.41	1.00	24	26	24.00	26.00
Electrical Engineering	6	19.00	67-73	17	19.06	7.54	3.08	8	29	16.00	26.00
Industrial Engineering	29	21.10	79-83	22	21.08	4.26	0.79	12	30	17.00	24.00
Materials Science & Engineering	6	20.00	73-79	18	20.00	5.62	2.30	12	28	17.00	24.00
Mechanical Engineering	53	21.38	79-83	22	21.51	4.75	0.65	10	30	17.00	24.00
Nuclear Engineering	1	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡	_ ‡

*N for college is out of the university N.

†Not enough cases to compute

‡ Omitted because only one score provided

California Critical Thinking Skills Tests(CCTST) Performance Report 2004-2005

Distribution for College of Nursing

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
<u>Major</u>											
Nursing	97	17.36	54-61	17.00	17.40	4.95	0.50	5	31	14.00	21.00

California Critical Thinking Skills Tests(CCTST) Performance Report 2004-2005

Distribution for College of Social Work

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
<u>Major</u>											
Social Work	21	18.43	61-67	18.00	18.36	3.41	0.75	13	25	16.00	20.00

California Critical Thinking Skills Tests(CCTST) Performance Report 2004-2005

Comparison between 2004-2005 and 2003-2004

Group	N	Mean	%	Median	Tr Mean	St Dev	SE Mean	Min	Max	Q1	Q3
University 2004-2005	1292	18.54	61-67	18.00	18.59	5.43	0.15	1	32	15.00	22.00
University 2003-2004	1292	19.42	67-73	20.00	19.47	4.92	0.14	0	32	16.00	23.00
Colleges											
Agricultural Sciences and Natural Resources	95	18.59	61-67	19.00	18.62	4.72	0.48	9	31	15.00	22.00
	110	18.10	61-67	17.50	18.17	4.81	0.46	5	28	15.00	22.00
Architecture and Design	48	20.42	73-79	20.00	20.43	4.43	0.64	11	29	18.00	24.00
	52	21.50	79-83	22	21.65	4.20	0.58	11	28	18	25.00
Arts and Sciences	309	18.17	61-67	18.00	18.25	5.77	0.33	1	31	14.00	22.00
	327	19.71	67-73	19.00	19.27	5.22	0.29	0	32	15.00	23.00
Business Administration	297	18.79	61-67	19.00	18.91	5.81	0.34	1	32	15.00	23.00
	253	19.76	67-73	20.00	19.81	4.57	0.29	7	30	17.00	23.00
Communication and Information	141	16.32	46-54	16.00	16.36	4.92	0.14	3	28	13.00	20.00
	85	17.73	54-61	17.00	17.76	4.14	0.45	9	26	14.00	21.00
Education, Health and Human Sciences	104	16.87	46-54	17.00	16.76	4.15	0.41	9	26	13.00	19.00
	179	18.24	61-67	18.00	18.22	4.62	0.35	6	29	15.00	21.00
Engineering	180	21.58	79-83	22.00	21.69	4.71	0.35	8	32	18.00	25.00
	161	21.47	79-83	22.00	21.57	5.31	0.42	8	32	18.00	25.00
Nursing	97	17.36	54-61	17.00	17.40	4.95	0.50	5	31	14.00	21.00
	100	19.97	67-73	20.00	20.02	4.31	0.43	8	29	17.00	23.00
Social Work	21	18.43	61-67	18.00	18.36	3.41	0.75	13	25	16.00	20.00
	25	19.68	67-73	20.00	19.76	3.97	0.79	11	27	17.00	22.00

Glossary of Terms

- N:** The sample is composed of randomly selected students from senior level classes in specific majors in some colleges, or all students graduating in others. The THEC report will be composed of an additional sampling of the overall sample. THEC's sample of 525 will be equivalent to the percentage of students who have graduated from each college in the previous year of the cycle. The CCTST CapScore office will select the sample.
- %:** This ercentile score is based on the mean score earned.
- Tr Mean:** The Trimmed Mean is used to remove the effect of unusually high or low scores. The data is sorted from highest to lowest scores, and then 5% of the data is trimmed off the top and bottom of the sample range.
- SE Mean:** The Standard Error of the mean is used to depict how accurate we might assume the sample's mean actually may be, compared with the true population mean. We can be 95% certain that the true population mean is within the range of the sample mean plus or minus 2 SE Mean.
- Min:** The minimum number of questions which a student (or students in the selected group) answered correctly.
- Max:** The maximum number of questions which a student (or students in the selected group) answered correctly.
- Q1:** Q1 (the first quartile) is the point at which 75% of the students scored higher and 25% of the students scored lower.
- Q3:** Q3 (the third quartile) is the point at which 25% of the students scored higher and 75% of the students scored lower. (By this rationale, Q2 is the median)