

**Chabot College**  
**Students with and without Learning Connection Tutoring in the Same Course\***  
**Fall 2022 and Spring 2023**

Students received tutoring in 109 courses in Fall 2022, but the tables below include only those courses with larger than or equal to 10 students who received tutoring. Students who used Learning Connection(LC)/STEM Center tutoring services in the fall semester generally had higher success rates and lower withdrawal rates than students in the same course who did not use these services (in 28/39 courses). Students could have received tutoring in either Learning Connection and/or STEM Center, and they were compared to students in the same section who had not received any tutoring.

**Fall 2022**

		Success		Non-success		Withdrawal		Total	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct**
ANTH 1	LC/STEM tutoring	10	91%	1	9%	0	0%	11	100%
	No tutoring	116	73%	31	19%	13	8%	160	100%
BIOS 21A	LC/STEM tutoring	5	50%	1	10%	4	40%	10	100%
	No tutoring	26	67%	7	18%	6	15%	39	100%
BIOS 41	LC/STEM tutoring	12	86%	2	14%	0	0%	14	100%
	No tutoring	54	65%	19	23%	10	12%	83	100%
BUS 12	LC/STEM tutoring	10	71%	3	21%	1	7%	14	100%
	No tutoring	114	67%	36	21%	19	11%	169	100%
BUS 19	LC/STEM tutoring	6	60%	4	40%	0	0%	10	100%
	No tutoring	65	57%	27	23%	23	20%	115	100%
BUS 1A	LC/STEM tutoring	10	67%	2	13%	3	20%	15	100%
	No tutoring	103	62%	18	11%	46	28%	167	100%
CHEM 1A	LC/STEM tutoring	4	27%	4	27%	7	47%	15	100%
	No tutoring	42	50%	14	17%	28	33%	84	100%
CHEM 31	LC/STEM tutoring	5	42%	2	17%	5	42%	12	100%
	No tutoring	53	57%	21	23%	19	20%	93	100%
COMM 1	LC/STEM tutoring	39	68%	8	14%	10	18%	57	100%
	No tutoring	389	63%	109	18%	118	19%	616	100%
CSCI 14	LC/STEM tutoring	10	59%	4	24%	3	18%	17	100%
	No tutoring	56	48%	21	18%	39	34%	116	100%
ENGL 1	LC/STEM tutoring	126	76%	29	18%	10	6%	165	100%
	No tutoring	567	57%	243	24%	188	19%	998	100%
ENGL 102	LC/STEM tutoring	11	85%	2	15%	0	0%	13	100%
	No tutoring	31	44%	29	41%	11	15%	71	100%
ENGL 4A	LC/STEM tutoring	46	78%	9	15%	4	7%	59	100%
	No tutoring	186	67%	36	13%	57	20%	279	100%
ENGL 7A	LC/STEM tutoring	22	88%	1	4%	2	8%	25	100%
	No tutoring	40	51%	21	27%	17	22%	78	100%
ES 1	LC/STEM tutoring	21	88%	3	13%	0	0%	24	100%
	No tutoring	210	78%	34	13%	25	9%	269	100%
ESL 110B	LC/STEM tutoring	13	59%	5	23%	4	18%	22	100%
	No tutoring	15	52%	8	28%	6	21%	29	100%
ESL 110C	LC/STEM tutoring	4	27%	9	60%	2	13%	15	100%
	No tutoring	8	42%	9	47%	2	11%	19	100%
ESL 111A	LC/STEM tutoring	9	90%	1	10%	0	0%	10	100%
	No tutoring	12	60%	4	20%	4	20%	20	100%
ESL 120	LC/STEM tutoring	17	100%	0	0%	0	0%	17	100%
	No tutoring	6	86%	0	0%	1	14%	7	100%

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		Success		Non-success		Withdrawal		Total	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct**
ESL 210	LC/STEM tutoring	11	100%	0	0%	0	0%	11	100%
	No tutoring	46	98%	1	2%	0	0%	47	100%
ESL 220	LC/STEM tutoring	11	100%	0	0%	0	0%	11	100%
	No tutoring	41	98%	1	2%	0	0%	42	100%
ESL 230	LC/STEM tutoring	14	100%	0	0%	0	0%	14	100%
	No tutoring	47	90%	5	10%	0	0%	52	100%
ESL 240A	LC/STEM tutoring	14	100%	0	0%	0	0%	14	100%
	No tutoring	15	63%	6	25%	3	13%	24	100%
GEO 1	LC/STEM tutoring	13	93%	0	0%	1	7%	14	100%
	No tutoring	210	82%	23	9%	22	9%	255	100%
HIS 7	LC/STEM tutoring	17	81%	3	14%	1	5%	21	100%
	No tutoring	159	72%	46	21%	15	7%	220	100%
HLTH 1	LC/STEM tutoring	14	88%	1	6%	1	6%	16	100%
	No tutoring	199	74%	48	18%	22	8%	269	100%
MTH 1	LC/STEM tutoring	13	62%	5	24%	3	14%	21	100%
	No tutoring	145	69%	28	13%	37	18%	210	100%
MTH 2	LC/STEM tutoring	10	83%	0	0%	2	17%	12	100%
	No tutoring	77	80%	7	7%	12	13%	96	100%
MTH 20	LC/STEM tutoring	7	30%	3	13%	13	57%	23	100%
	No tutoring	52	40%	33	25%	45	35%	130	100%
MTH 36S	LC/STEM tutoring	11	42%	4	15%	11	42%	26	100%
	No tutoring	20	17%	23	19%	78	64%	121	100%
MTH 43	LC/STEM tutoring	15	68%	3	14%	4	18%	22	100%
	No tutoring	138	54%	73	29%	45	18%	256	100%
MTH 47	LC/STEM tutoring	13	76%	2	12%	2	12%	17	100%
	No tutoring	83	52%	48	30%	30	19%	161	100%
POSC 1	LC/STEM tutoring	9	75%	3	25%	0	0%	12	100%
	No tutoring	94	54%	65	37%	15	9%	174	100%
PSCN 20	LC/STEM tutoring	17	85%	0	0%	3	15%	20	100%
	No tutoring	56	76%	13	18%	5	7%	74	100%
PSY 1	LC/STEM tutoring	33	89%	2	5%	2	5%	37	100%
	No tutoring	340	65%	118	23%	63	12%	521	100%
PSY 5	LC/STEM tutoring	14	88%	1	6%	1	6%	16	100%
	No tutoring	142	71%	30	15%	29	14%	201	100%
SOC1 1	LC/STEM tutoring	28	97%	1	3%	0	0%	29	100%
	No tutoring	281	72%	74	19%	37	9%	392	100%
SPA 1A	LC/STEM tutoring	5	50%	2	20%	3	30%	10	100%
	No tutoring	30	40%	16	21%	29	39%	75	100%
THTR 10	LC/STEM tutoring	11	85%	1	8%	1	8%	13	100%
	No tutoring	143	74%	31	16%	19	10%	193	100%

Note: Only courses with ≥10 tutored students were included in this report.

**NOTES:**

\*LC/STEM tutoring could take place in Learning Connection and/or STEM Center.

\*Success rates are only from sections that had both students who were and were not tutored. \*\*May not add to 100% due to rounding

\*Success = a grade of 'A', 'B', 'C', 'CR', or 'P' ; Non-success = a grade of 'D', 'F', 'T', 'NC', or 'NP'; Withdrawal= 'W', 'CW', 'EW', 'MW'.

**Chabot College**  
**Students with and without Learning Connection Tutoring in the Same Course\***  
**Fall 2022 and Spring 2023**

Students received tutoring in 103 courses in Spring 2023, but the tables below include only those courses with larger than or equal to 10 students who received tutoring. Students who used Learning Connection(LC)/STEM Center tutoring services in the spring semester generally had higher success rates and lower withdrawal rates than students in the same course who did not use these services (in 25/36 courses).

Students could have received tutoring in either Learning Connection and/or STEM Center, and they were compared to students in the same section who had not received any tutoring.

**Spring 2023**

		Success		Non-success		Withdrawal		Total	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct**
BIOS 21A	LC/STEM tutoring	10	91%	1	9%	0	0%	11	100%
	No tutoring	116	73%	31	19%	13	8%	160	100%
BIOS 41	LC/STEM tutoring	13	81%	2	13%	1	6%	16	100%
	No tutoring	113	83%	8	6%	15	11%	136	100%
BIOS 43	LC/STEM tutoring	5	50%	2	20%	3	30%	10	100%
	No tutoring	65	80%	6	7%	10	12%	81	100%
BUS 10	LC/STEM tutoring	14	88%	0	0%	2	13%	16	100%
	No tutoring	124	79%	18	11%	15	10%	157	100%
BUS 12	LC/STEM tutoring	6	46%	5	38%	2	15%	13	100%
	No tutoring	114	73%	19	12%	24	15%	157	100%
BUS 1A	LC/STEM tutoring	13	72%	4	22%	1	6%	18	100%
	No tutoring	128	66%	26	13%	39	20%	193	100%
CAS 50	LC/STEM tutoring	7	64%	1	9%	3	27%	11	100%
	No tutoring	37	63%	2	3%	20	34%	59	100%
CHEM 1A	LC/STEM tutoring	14	70%	2	10%	4	20%	20	100%
	No tutoring	50	64%	8	10%	20	26%	78	100%
CHEM 30A	LC/STEM tutoring	11	85%	0	0%	2	15%	13	100%
	No tutoring	54	63%	8	9%	24	28%	86	100%
CHEM 31A	LC/STEM tutoring	7	50%	3	21%	4	29%	14	100%
	No tutoring	40	63%	10	16%	13	21%	63	100%
COMM 1	LC/STEM tutoring	93	90%	6	6%	4	4%	103	100%
	No tutoring	442	70%	94	15%	99	16%	635	100%
ECD 56	LC/STEM tutoring	7	64%	3	27%	1	9%	11	100%
	No tutoring	74	81%	12	13%	5	5%	91	100%
ECN 1	LC/STEM tutoring	8	80%	1	10%	1	10%	10	100%
	No tutoring	134	74%	30	17%	16	9%	180	100%
ENGL 1	LC/STEM tutoring	102	68%	24	16%	25	17%	151	100%
	No tutoring	317	51%	130	21%	173	28%	620	100%
ENGL 21	LC/STEM tutoring	10	100%	0	0%	0	0%	10	100%
	No tutoring	1	50%	0	0%	1	50%	2	100%
ENGL 215	LC/STEM tutoring	41	98%	1	2%	0	0%	42	100%
	No tutoring	82	70%	25	21%	10	9%	117	100%
ENGL 4A	LC/STEM tutoring	80	81%	16	16%	3	3%	99	100%
	No tutoring	389	75%	58	11%	72	14%	519	100%
ENGL 7A	LC/STEM tutoring	24	77%	3	10%	4	13%	31	100%
	No tutoring	57	46%	43	34%	25	20%	125	100%
ES 1	LC/STEM tutoring	14	82%	1	6%	2	12%	17	100%
	No tutoring	187	78%	24	10%	28	12%	239	100%

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**Spring 2023**

		Success		Non-success		Withdrawal		Total	
		Num	Pct	Num	Pct	Num	Pct	Num	Pct**
ESL 110C	LC/STEM tutoring	8	67%	3	25%	1	8%	12	100%
	No tutoring	18	67%	6	22%	3	11%	27	100%
ESL 121	LC/STEM tutoring	14	100%	0	0%	0	0%	14	100%
	No tutoring	6	50%	0	0%	6	50%	12	100%
ESL 210	LC/STEM tutoring	15	100%	0	0%	0	0%	15	100%
	No tutoring	15	100%	0	0%	0	0%	15	100%
ESL 220	LC/STEM tutoring	18	100%	0	0%	0	0%	18	100%
	No tutoring	34	100%	0	0%	0	0%	34	100%
ESL 230	LC/STEM tutoring	20	100%	0	0%	0	0%	20	100%
	No tutoring	30	97%	1	3%	0	0%	31	100%
GEO 1	LC/STEM tutoring	13	87%	2	13%	0	0%	15	100%
	No tutoring	130	78%	27	16%	10	6%	167	100%
HIS 53	LC/STEM tutoring	7	70%	0	0%	3	30%	10	100%
	No tutoring	36	65%	11	20%	8	15%	55	100%
HIS 7	LC/STEM tutoring	8	80%	0	0%	2	20%	10	100%
	No tutoring	107	59%	47	26%	26	14%	180	100%
MTH 1	LC/STEM tutoring	11	44%	3	12%	11	44%	25	100%
	No tutoring	58	53%	23	21%	29	26%	110	100%
MTH 20	LC/STEM tutoring	7	29%	6	25%	11	46%	24	100%
	No tutoring	33	38%	19	22%	34	40%	86	100%
MTH 31S	LC/STEM tutoring	7	70%	2	20%	1	10%	10	100%
	No tutoring	28	36%	21	27%	29	37%	78	100%
MTH 43	LC/STEM tutoring	15	75%	2	10%	3	15%	20	100%
	No tutoring	89	52%	31	18%	50	29%	170	100%
MUSL 1	LC/STEM tutoring	14	93%	1	7%	0	0%	15	100%
	No tutoring	152	71%	31	15%	30	14%	213	100%
POSC 1	LC/STEM tutoring	15	75%	2	10%	3	15%	20	100%
	No tutoring	220	77%	37	13%	28	10%	285	100%
PSY 1	LC/STEM tutoring	34	94%	1	3%	1	3%	36	100%
	No tutoring	274	73%	66	18%	35	9%	375	100%
PSY 5	LC/STEM tutoring	11	79%	0	0%	3	21%	14	100%
	No tutoring	136	76%	19	11%	24	13%	179	100%
SOC1 1	LC/STEM tutoring	38	95%	1	3%	1	3%	40	100%
	No tutoring	241	74%	72	22%	11	3%	324	100%

Note: Only courses with  $\geq 10$  tutored students were included in this report.

**NOTES:**

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\*Success = a grade of 'A', 'B', 'C', 'CR', or 'P' ; Non-success = a grade of 'D', 'F', 'I', 'NC', or 'NP'; Withdrawal= 'W', 'CW', 'EW', 'MW'.