

**Chabot College**  
**Course Success and Withdrawal Rates**  
**Students with and without Learning Connection tutoring in same course\***  
**Fall 2014 through Spring 2016**  
**Selected high-enrollment courses across the curriculum**

Students who used Learning Connection tutoring services in the last few years have had higher success rates and lower withdrawal rates than students in the same course who did not use these services. The table below shows the courses with higher success rates for tutored students, including many high-enrollment basic skills or GE courses.

The Learning Connection includes the following lab centers that provide direct tutoring to students: the Learning Connection Center, the Writing and Reading Across the Curriculum (WRAC) Center, the STEM Center, and the Language Center.

Students could have received tutoring in any of the centers, and they were compared to students in the same section who had not received any tutoring. Higher success rates mean that more students can go on to the next course rather than repeating the course and preventing others from taking it. This increases the number of students that Chabot can serve as well as the number of students who can succeed, persist, graduate, and transfer.

			<b>Success</b>	<b>Non-success</b>	<b>Withdrawal</b>		<b>Total</b>
			<i>Pct</i>	<i>Pct</i>	<i>Pct</i>	<i>Num</i>	<i>Pct**</i>
ENGLISH 101A		Learning Connection tutoring	<b>80%</b>	15%	6%	163	101%
		No tutoring	<b>59%</b>	19%	22%	971	100%
ENGLISH 101B		Learning Connection tutoring	<b>81%</b>	14%	4%	70	99%
		No tutoring	<b>68%</b>	18%	14%	537	100%
ENGLISH 102		Learning Connection tutoring	<b>81%</b>	15%	3%	431	99%
		No tutoring	<b>62%</b>	20%	18%	2,079	100%
ENGLISH 115		Learning Connection tutoring	<b>72%</b>	24%	4%	75	100%
		No tutoring	<b>60%</b>	30%	10%	67	100%
ENGLISH 1A		Learning Connection tutoring	<b>85%</b>	10%	5%	372	100%
		No tutoring	<b>67%</b>	15%	18%	3,156	100%
ENGLISH 4		Learning Connection tutoring	<b>86%</b>	9%	6%	139	101%
		No tutoring	<b>72%</b>	11%	17%	1,380	100%
ENGLISH 7		Learning Connection tutoring	<b>88%</b>	5%	6%	110	99%
		No tutoring	<b>72%</b>	8%	20%	908	100%
ESL 110A		Learning Connection tutoring	<b>63%</b>	32%	5%	41	100%
		No tutoring	<b>47%</b>	38%	15%	298	100%
ESL 110B		Learning Connection tutoring	<b>88%</b>	6%	6%	34	100%
		No tutoring	<b>67%</b>	20%	13%	224	100%
ESL 110C		Learning Connection tutoring	<b>74%</b>	19%	7%	57	100%
		No tutoring	<b>59%</b>	27%	14%	352	100%
ESL 110D		Learning Connection tutoring	<b>65%</b>	24%	11%	46	100%
		No tutoring	<b>57%</b>	24%	19%	248	100%
MATH 104		Learning Connection tutoring	<b>54%</b>	31%	15%	114	100%
		No tutoring	<b>62%</b>	23%	15%	933	100%
MATH 103		Learning Connection tutoring	<b>61%</b>	29%	11%	56	101%
		No tutoring	<b>45%</b>	39%	16%	397	100%
MATH 55		Learning Connection tutoring	<b>53%</b>	22%	25%	339	100%
		No tutoring	<b>45%</b>	25%	30%	2,265	100%
MATH 43		Learning Connection tutoring	<b>62%</b>	19%	19%	442	100%
		No tutoring	<b>52%</b>	19%	29%	1,829	100%
MATH 37		Learning Connection tutoring	<b>53%</b>	23%	24%	214	100%
		No tutoring	<b>39%</b>	25%	36%	717	100%
MATH 31		Learning Connection tutoring	<b>61%</b>	23%	16%	75	100%
		No tutoring	<b>49%</b>	26%	25%	660	100%
MATH 15		Learning Connection tutoring	<b>57%</b>	20%	23%	69	100%
		No tutoring	<b>48%</b>	16%	37%	208	101%
MATH 1		Learning Connection tutoring	<b>60%</b>	21%	19%	180	100%
		No tutoring	<b>55%</b>	18%	28%	454	101%

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			Success	Non-success	Withdrawal		Total
			<i>Pct</i>	<i>Pct</i>	<i>Pct</i>	<i>Num</i>	<i>Pct**</i>
MATH	2	Learning Connection tutoring	<b>64%</b>	13%	24%	157	101%
		No tutoring	<b>55%</b>	14%	31%	260	100%
MATH	3	Learning Connection tutoring	<b>77%</b>	16%	7%	147	100%
		No tutoring	<b>67%</b>	17%	17%	132	101%
MATH	4	Learning Connection tutoring	<b>92%</b>	3%	5%	64	100%
		No tutoring	<b>84%</b>	10%	6%	80	100%
MATH	6	Learning Connection tutoring	<b>90%</b>	5%	5%	77	100%
		No tutoring	<b>70%</b>	13%	17%	82	100%
MATH	8	Learning Connection tutoring	<b>82%</b>	0%	18%	22	100%
		No tutoring	<b>68%</b>	5%	27%	98	100%
ANAT	1	Learning Connection tutoring	<b>75%</b>	8%	18%	106	101%
		No tutoring	<b>68%</b>	11%	21%	509	100%
BIOL	10	Learning Connection tutoring	<b>82%</b>	3%	15%	33	100%
		No tutoring	<b>64%</b>	17%	19%	292	100%
BUS	1A	Learning Connection tutoring	<b>68%</b>	16%	16%	137	100%
		No tutoring	<b>61%</b>	12%	27%	938	100%
BUS	7	Learning Connection tutoring	<b>71%</b>	20%	10%	51	101%
		No tutoring	<b>56%</b>	15%	29%	412	100%
BUS	10	Learning Connection tutoring	<b>93%</b>	7%	0%	28	100%
		No tutoring	<b>67%</b>	17%	16%	510	100%
BUS	12	Learning Connection tutoring	<b>81%</b>	10%	10%	31	101%
		No tutoring	<b>60%</b>	22%	18%	615	100%
CAS	50	Learning Connection tutoring	<b>79%</b>	8%	13%	52	100%
		No tutoring	<b>62%</b>	17%	21%	586	100%
CHEM	1B	Learning Connection tutoring	<b>72%</b>	19%	9%	54	100%
		No tutoring	<b>65%</b>	8%	27%	184	100%
CHEM	12A	Learning Connection tutoring	<b>84%</b>	6%	9%	32	99%
		No tutoring	<b>70%</b>	10%	20%	97	100%
CHEM	12B	Learning Connection tutoring	<b>86%</b>	7%	7%	29	100%
		No tutoring	<b>81%</b>	6%	14%	72	101%
CHEM	30B	Learning Connection tutoring	<b>77%</b>	9%	14%	22	100%
		No tutoring	<b>82%</b>	9%	9%	181	100%
CHEM	31	Learning Connection tutoring	<b>70%</b>	4%	26%	77	100%
		No tutoring	<b>65%</b>	15%	19%	413	99%
COMM	1	Learning Connection tutoring	<b>82%</b>	12%	6%	1,186	100%
		No tutoring	<b>59%</b>	14%	27%	1,233	100%
COMM	46	Learning Connection tutoring	<b>89%</b>	8%	3%	71	100%
		No tutoring	<b>69%</b>	12%	19%	197	100%
COMM	48	Learning Connection tutoring	<b>95%</b>	0%	5%	20	100%
		No tutoring	<b>65%</b>	9%	26%	46	100%
CSCI	7	Learning Connection tutoring	<b>61%</b>	13%	26%	23	100%
		No tutoring	<b>44%</b>	24%	32%	134	100%
CSCI	14	Learning Connection tutoring	<b>60%</b>	21%	19%	72	100%
		No tutoring	<b>50%</b>	19%	32%	420	101%
CSCI	15	Learning Connection tutoring	<b>64%</b>	17%	19%	36	100%
		No tutoring	<b>56%</b>	17%	27%	172	100%

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			Pct	Pct	Pct	Num	Pct**
ENGR	25	Learning Connection tutoring	65%	10%	25%	20	100%
		No tutoring	44%	23%	33%	112	100%
GEOG	1	Learning Connection tutoring	85%	4%	12%	26	101%
		No tutoring	71%	11%	18%	561	100%
GNST	115	Learning Connection tutoring	68%	32%	0%	44	100%
		No tutoring	42%	51%	7%	198	100%
HISTORY	21	Learning Connection tutoring	55%	31%	15%	55	101%
		No tutoring	35%	40%	25%	173	100%
HISTORY	27	Learning Connection tutoring	70%	18%	13%	40	101%
		No tutoring	56%	25%	18%	296	99%
HISTORY	7	Learning Connection tutoring	73%	20%	6%	98	99%
		No tutoring	54%	25%	21%	1,345	100%
HISTORY	8	Learning Connection tutoring	78%	13%	9%	32	100%
		No tutoring	63%	20%	17%	886	100%
HLTH	1	Learning Connection tutoring	75%	23%	2%	44	100%
		No tutoring	65%	21%	14%	1,431	100%
HUMN	68	Learning Connection tutoring	89%	11%	0%	35	100%
		No tutoring	64%	15%	21%	160	100%
MEDA	75	Learning Connection tutoring	93%	3%	3%	29	99%
		No tutoring	50%	0%	50%	36	100%
NUTR	1	Learning Connection tutoring	66%	26%	8%	38	100%
		No tutoring	52%	20%	27%	846	99%
PHIL	50	Learning Connection tutoring	78%	22%	0%	60	100%
		No tutoring	68%	18%	13%	455	99%
PHYS	4A	Learning Connection tutoring	63%	24%	13%	67	100%
		No tutoring	70%	16%	15%	161	101%
PHYS	4B	Learning Connection tutoring	93%	2%	5%	41	100%
		No tutoring	81%	12%	8%	103	101%
POSC	1	Learning Connection tutoring	88%	7%	4%	67	99%
		No tutoring	74%	16%	10%	955	100%
PSYCH	1	Learning Connection tutoring	85%	6%	9%	85	100%
		No tutoring	69%	20%	11%	1,539	100%
PSYCH	4	Learning Connection tutoring	85%	10%	5%	39	100%
		No tutoring	45%	6%	49%	51	100%
SL	64	Learning Connection tutoring	82%	7%	11%	28	100%
		No tutoring	66%	26%	8%	677	100%
SOC1	1	Learning Connection tutoring	79%	13%	8%	53	100%
		No tutoring	66%	22%	12%	1,316	100%
<b>TOTAL</b>		<b>Learning Connection tutoring</b>				<b>6,455</b>	
		<b>No tutoring</b>				<b>36,647</b>	

**NOTES:**

\*Learning Connection tutoring could take place in any center (Learning Connection, WRAC, STEM, or Language Center).

\*Success rates are 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', 'I', 'NC', or 'NP'; Withdrawal= 'W' or 'MW'.

\*If courses are not listed they either had no tutored students or there was no difference in success between tutored and non tutored students.