



Productivity 2012/13 through 2016/17 Computer Information System (CIS)

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Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2012/13	180	139	1.79	24.45	733	411	11	290	62.1%
2013/14	363	279	3.99	62.15	1,865	468	15	512	70.9%
2014/15	526	375	4.96	73.48	2,205	444	19	717	73.4%
2015/16	532	372	4.60	74.72	2,242	487	17	705	75.5%
2016/17	554	428	4.80	75.88	2,276	474	19	835	66.3%

Census Headcount: Number of duplicated headcount at final census. End of Term Headcount: Number of duplicated headcount at the end of the term.
 FTEF: Total number of full time equivalent faculty assigned. FTES: Total number of full time equivalent students enrolled at first census.
 WSCH: Weekly student contact hours generated by census enrollments. Load: The ratio of WSCH to FTEF, used to measure productivity.
 Sections: Total number of sections offered per semester. Max Enroll: The enrollment capacity or maximum enrollment as defined in curriculum.
 Fill Rate: Census Headcount divided by Max Enrollment.

Data Source: SMCCD Data Warehouse

Cañada College Productivity 2016-17

Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	136	110	1.68	26.81	804	479	6	200	68.0%
Fall 2014	192	135	1.92	25.79	774	403	8	260	73.8%
Fall 2015	196	146	1.72	26.60	798	464	7	265	74.0%
Fall 2016	173	143	1.72	24.24	727	423	7	285	60.7%
Spring 2013	73	61	0.76	9.58	288	378	5	130	56.2%
Spring 2014	160	118	1.52	22.58	678	446	7	217	73.7%
Spring 2015	178	129	1.92	24.23	727	379	9	277	64.3%
Spring 2016	182	125	1.72	25.40	762	443	7	240	75.8%
Spring 2017	227	173	2.12	28.00	840	396	9	350	64.9%
Summer 2012	44	32	0.27	3.98	119	448	3	75	58.7%
Summer 2013	67	51	0.79	12.75	383	486	2	95	70.5%
Summer 2014	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	154	101	1.16	22.72	682	588	3	200	77.0%
Summer 2016	154	112	0.96	23.64	709	739	3	200	77.0%

Cañada College Productivity 2016-17

		DE vs Non DE Courses								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	FaceToFace	39	26	0.56	6.01	180	322	2	55	70.9%
	Online	24	20	0.20	4.88	146	732	1	30	80.0%
Fall 2013	FaceToFace	108	90	1.32	20.93	628	476	5	160	67.5%
	Online	28	20	0.36	5.88	176	490	1	40	70.0%
Fall 2014	FaceToFace	163	118	1.56	19.70	591	379	7	220	74.1%
	Online	29	17	0.36	6.09	183	508	1	40	72.5%
Fall 2015	FaceToFace	162	123	1.36	19.80	594	437	6	220	73.6%
	Online	34	23	0.36	6.80	204	567	1	45	75.6%
Fall 2016	FaceToFace	132	112	1.36	15.90	477	351	6	240	55.0%
	Online	41	31	0.36	8.34	250	695	1	45	91.1%
Spring 2013	FaceToFace	60	49	0.76	8.15	245	322	4	100	60.0%
	Online	13	12	0.00	1.43	43	#INF	1	30	43.3%
Spring 2014	FaceToFace	125	94	1.16	15.23	457	394	6	182	68.7%
	Online	35	24	0.36	7.35	221	613	1	35	100.0%
Spring 2015	FaceToFace	144	103	1.56	17.20	516	331	8	242	59.5%
	Online	34	26	0.36	7.03	211	586	1	35	97.1%
Spring 2016	FaceToFace	144	102	1.36	17.80	534	393	6	205	70.2%
	Online	38	23	0.36	7.60	228	633	1	35	108.6%
Spring 2017	FaceToFace	159	126	1.56	17.90	537	344	7	275	57.8%
	Online	68	47	0.56	10.10	303	541	2	75	90.7%
Summer 2012	FaceToFace	26	20	0.27	2.03	61	228	2	45	57.8%
	Online	18	12	0.00	1.95	59	#INF	1	30	60.0%
Summer 2013	FaceToFace	7	5	0.07	0.24	7	108	1	15	46.7%
	Online	60	46	0.72	12.51	375	521	1	80	75.0%
Summer 2014	Online	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	FaceToFace	23	19	0.20	2.32	70	348	1	40	57.5%
	Online	131	82	0.96	20.40	612	638	2	160	81.9%
Summer 2016	FaceToFace	14	12	0.20	1.41	42	212	1	40	35.0%
	Online	140	100	0.76	22.23	667	877	2	160	87.5%

Cañada College Productivity 2016-17

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH Load	Sections	Max Enroll	Fill Rates	
Fall 2012	Non Basic Skills	63	46	0.76	10.89	327	430	3	85	74.1%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	Non Basic Skills	136	110	1.68	26.81	804	479	6	200	68.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Fall 2014	Non Basic Skills	192	135	1.92	25.79	774	403	8	260	73.8%
	Total	192	135	1.92	25.79	774	403	8	260	73.8%
Fall 2015	Non Basic Skills	196	146	1.72	26.60	798	464	7	265	74.0%
	Total	196	146	1.72	26.60	798	464	7	265	74.0%
Fall 2016	Non Basic Skills	173	143	1.72	24.24	727	423	7	285	60.7%
	Total	173	143	1.72	24.24	727	423	7	285	60.7%
Spring 2013	Non Basic Skills	73	61	0.76	9.58	288	378	5	130	56.2%
	Total	73	61	0.76	9.58	288	378	5	130	56.2%
Spring 2014	Non Basic Skills	160	118	1.52	22.58	678	446	7	217	73.7%
	Total	160	118	1.52	22.58	678	446	7	217	73.7%
Spring 2015	Non Basic Skills	178	129	1.92	24.23	727	379	9	277	64.3%
	Total	178	129	1.92	24.23	727	379	9	277	64.3%
Spring 2016	Non Basic Skills	182	125	1.72	25.40	762	443	7	240	75.8%
	Total	182	125	1.72	25.40	762	443	7	240	75.8%
Spring 2017	Non Basic Skills	227	173	2.12	28.00	840	396	9	350	64.9%
	Total	227	173	2.12	28.00	840	396	9	350	64.9%
Summer 2012	Non Basic Skills	44	32	0.27	3.98	119	448	3	75	58.7%
	Total	44	32	0.27	3.98	119	448	3	75	58.7%
Summer 2013	Non Basic Skills	67	51	0.79	12.75	383	486	2	95	70.5%
	Total	67	51	0.79	12.75	383	486	2	95	70.5%
Summer 2014	Non Basic Skills	156	111	1.12	23.46	704	628	2	180	86.7%
	Total	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	Non Basic Skills	154	101	1.16	22.72	682	588	3	200	77.0%
	Total	154	101	1.16	22.72	682	588	3	200	77.0%
Summer 2016	Non Basic Skills	154	112	0.96	23.64	709	739	3	200	77.0%
	Total	154	112	0.96	23.64	709	739	3	200	77.0%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	CTE	46	34	0.56	8.90	267	477	2	55	83.6%
	Non CTE	17	12	0.20	1.98	60	298	1	30	56.7%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	CTE	118	97	1.48	24.71	741	501	5	170	69.4%
	Non CTE	18	13	0.20	2.10	63	315	1	30	60.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Fall 2014	CTE	153	109	1.52	21.69	651	428	6	200	76.5%
	Non CTE	39	26	0.40	4.10	123	308	2	60	65.0%
	Total	192	135	1.92	25.79	774	403	8	260	73.8%
Fall 2015	CTE	156	115	1.32	22.60	678	514	5	195	80.0%
	Non CTE	40	31	0.40	4.00	120	300	2	70	57.1%
	Total	196	146	1.72	26.60	798	464	7	265	74.0%
Fall 2016	CTE	143	117	1.52	21.24	637	419	6	245	58.4%
	Non CTE	30	26	0.20	3.00	90	450	1	40	75.0%
	Total	173	143	1.72	24.24	727	423	7	285	60.7%
Spring 2013	CTE	45	41	0.56	6.78	204	363	3	90	50.0%
	Non CTE	28	20	0.20	2.80	84	420	2	40	70.0%
	Total	73	61	0.76	9.58	288	378	5	130	56.2%
Spring 2014	CTE	116	87	1.12	18.65	560	500	4	150	77.3%
	Non CTE	44	31	0.40	3.93	118	295	3	67	65.7%
	Total	160	118	1.52	22.58	678	446	7	217	73.7%
Spring 2015	CTE	156	117	1.72	22.33	670	389	7	240	65.0%
	Non CTE	22	12	0.20	1.90	57	286	2	37	59.5%
	Total	178	129	1.92	24.23	727	379	9	277	64.3%
Spring 2016	CTE	182	125	1.72	25.40	762	443	7	240	75.8%
	Total	182	125	1.72	25.40	762	443	7	240	75.8%
Spring 2017	CTE	211	163	1.92	26.40	792	413	8	310	68.1%
	Non CTE	16	10	0.20	1.60	48	240	1	40	40.0%

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CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
	Total	227	173	2.12	28.00	840	396	9	350	64.9%
Summer 2012	CTE	34	23	0.20	3.64	109	545	2	60	56.7%
	Non CTE	10	9	0.07	0.34	10	154	1	15	66.7%
	Total	44	32	0.27	3.98	119	448	3	75	58.7%
Summer 2013	CTE	60	46	0.72	12.51	375	521	1	80	75.0%
	Non CTE	7	5	0.07	0.24	7	108	1	15	46.7%
	Total	67	51	0.79	12.75	383	486	2	95	70.5%
Summer 2014	CTE	156	111	1.12	23.46	704	628	2	180	86.7%
	Total	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	CTE	154	101	1.16	22.72	682	588	3	200	77.0%
	Total	154	101	1.16	22.72	682	588	3	200	77.0%
Summer 2016	CTE	154	112	0.96	23.64	709	739	3	200	77.0%
	Total	154	112	0.96	23.64	709	739	3	200	77.0%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	Yes	63	46	0.76	10.89	327	430	3	85	74.1%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	Yes	136	110	1.68	26.81	804	479	6	200	68.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Fall 2014	Yes	192	135	1.92	25.79	774	403	8	260	73.8%
	Total	192	135	1.92	25.79	774	403	8	260	73.8%
Fall 2015	Yes	196	146	1.72	26.60	798	464	7	265	74.0%

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Transfer vs Non Transfer Courses

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Total	196	146	1.72	26.60	798	464	7	265	74.0%
Fall 2016 Yes	173	143	1.72	24.24	727	423	7	285	60.7%
Total	173	143	1.72	24.24	727	423	7	285	60.7%
Spring 2013 Yes	73	61	0.76	9.58	288	378	5	130	56.2%
Total	73	61	0.76	9.58	288	378	5	130	56.2%
Spring 2014 Yes	160	118	1.52	22.58	678	446	7	217	73.7%
Total	160	118	1.52	22.58	678	446	7	217	73.7%
Spring 2015 Yes	178	129	1.92	24.23	727	379	9	277	64.3%
Total	178	129	1.92	24.23	727	379	9	277	64.3%
Spring 2016 Yes	182	125	1.72	25.40	762	443	7	240	75.8%
Total	182	125	1.72	25.40	762	443	7	240	75.8%
Spring 2017 Yes	227	173	2.12	28.00	840	396	9	350	64.9%
Total	227	173	2.12	28.00	840	396	9	350	64.9%
Summer 2012 Yes	44	32	0.27	3.98	119	448	3	75	58.7%
Total	44	32	0.27	3.98	119	448	3	75	58.7%
Summer 2013 Yes	67	51	0.79	12.75	383	486	2	95	70.5%
Total	67	51	0.79	12.75	383	486	2	95	70.5%
Summer 2014 Yes	156	111	1.12	23.46	704	628	2	180	86.7%
Total	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015 Yes	154	101	1.16	22.72	682	588	3	200	77.0%
Total	154	101	1.16	22.72	682	588	3	200	77.0%
Summer 2016 Yes	154	112	0.96	23.64	709	739	3	200	77.0%
Total	154	112	0.96	23.64	709	739	3	200	77.0%

Cañada College Productivity 2016-17

		<u>Day vs Evening Courses</u>								
		Census	End of Term						Max	Fill
		Headcount	Headcount	FTEF	FTES	WSCH	Load	Sections	Enroll	Rates
Fall 2012	Day	24	20	0.20	4.88	146	732	1	30	80.0%
	Evening	39	26	0.56	6.01	180	322	2	55	70.9%
Fall 2013	Day	90	77	1.12	18.83	565	505	4	130	69.2%
	Evening	46	33	0.56	7.98	239	428	2	70	65.7%
Fall 2014	Day	143	105	1.36	17.50	525	386	6	190	75.3%
	Evening	49	30	0.56	8.29	249	444	2	70	70.0%
Fall 2015	Day	143	110	1.16	17.90	537	463	5	190	75.3%
	Evening	53	36	0.56	8.70	261	466	2	75	70.7%
Fall 2016	Day	108	94	1.16	13.50	405	349	5	200	54.0%
	Evening	65	49	0.56	10.74	322	575	2	85	76.5%
Spring 2013	Day	32	29	0.56	5.35	161	287	2	60	53.3%
	Evening	41	32	0.20	4.23	127	635	3	70	58.6%
Spring 2014	Day	101	77	0.96	12.83	385	401	5	152	66.4%
	Evening	59	41	0.56	9.75	293	522	2	65	90.8%
Spring 2015	Day	128	97	1.36	15.60	468	344	7	212	60.4%
	Evening	50	32	0.56	8.63	259	462	2	65	76.9%
Spring 2016	Day	126	90	1.16	16.00	480	414	5	175	72.0%
	Evening	56	35	0.56	9.40	282	504	2	65	86.2%
Spring 2017	Day	123	103	1.16	14.30	429	370	5	195	63.1%
	Evening	104	70	0.96	13.70	411	428	4	155	67.1%
Summer 2012	Day	16	11	0.20	1.68	50	252	1	30	53.3%
	Evening	28	21	0.07	2.30	69	1,033	2	45	62.2%
Summer 2013	Evening	67	51	0.79	12.75	383	486	2	95	70.5%
Summer 2014	Evening	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	Day	23	19	0.20	2.32	70	348	1	40	57.5%
	Evening	131	82	0.96	20.40	612	638	2	160	81.9%
Summer 2016	Day	14	12	0.20	1.41	42	212	1	40	35.0%
	Evening	140	100	0.76	22.23	667	877	2	160	87.5%

Cañada College Productivity 2016-17

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Fall 2012	CIS	118	Intro to Object-Oriented Prgm	46	34	0.56	8.90	267	477	2	55	84%
		321	iOS Programming	17	12	0.20	1.98	60	298	1	30	57%
	Total			63	46	0.76	10.89	327	430	3	85	74%
Fall 2013	CIS	118	Intro. to Computer Science	82	73	1.08	21.11	633	587	3	110	75%
		250	Intro to Obj Ori Program.: C++	36	24	0.40	3.60	108	270	2	60	60%
		321	iOS Programming	18	13	0.20	2.10	63	315	1	30	60%
	Total			136	110	1.68	26.81	804	479	6	200	68%
Fall 2014	CIS	118	Intro. to Computer Science	61	42	0.72	12.49	375	520	2	80	76%
		242	Comp. Arch. & Assembly Lang.	19	13	0.20	1.90	57	285	1	30	63%
		250	Intro to Obj Ori Program.: C++	54	39	0.40	5.40	162	405	2	60	90%
		252	Intro to Data Struct.: C++	24	20	0.20	2.40	72	360	1	30	80%
		284	Intro to Obj Orien Prog - Java	14	8	0.20	1.40	42	210	1	30	47%
	321	iOS Programming	20	13	0.20	2.20	66	330	1	30	67%	
Total			192	135	1.92	25.79	774	403	8	260	74%	
Fall 2015	CIS	118	Intro. to Computer Science	70	51	0.72	14.00	420	583	2	85	82%
		242	Comp. Arch. & Assembly Lang.	21	18	0.20	2.10	63	315	1	40	53%
		250	Intro to Obj Ori Program.: C++	42	28	0.20	4.20	126	630	1	40	105%
		252	Intro to Data Struct.: C++	24	20	0.20	2.40	72	360	1	40	60%
		284	Intro to Obj Orien Prog - Java	20	16	0.20	2.00	60	300	1	30	67%
	321	iOS Programming	19	13	0.20	1.90	57	285	1	30	63%	
Total			196	146	1.72	26.60	798	464	7	265	74%	
Fall 2016	CIS	118	Intro. to Computer Science	68	55	0.72	13.74	412	572	2	85	80%
		242	Comp. Arch. & Assembly Lang.	30	26	0.20	3.00	90	450	1	40	75%
		250	Intro to Obj Ori Program.: C++	44	33	0.40	4.40	132	330	2	80	55%
		252	Intro to Data Struct.: C++	19	18	0.20	1.90	57	285	1	40	48%
	284	Intro to Obj Orien Prog - Java	12	11	0.20	1.20	36	180	1	40	30%	
Total			173	143	1.72	24.24	727	423	7	285	61%	
Spring 2013	CIS	118	Intro to Object-Oriented Prgm	19	17	0.36	4.05	122	338	1	30	63%
		250	Programming Methods I: C++	13	12	0.20	1.30	39	195	1	30	43%
		251	Open Computer Lab I: C++	13	12	0.00	1.43	43	#INF	1	30	43%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		321	iOS Programming	28	20	0.20	2.80	84	420	2	80	35%
	Total			73	61	0.76	9.58	288	378	5	170	43%
Spring 2014	CIS	118	Intro. to Computer Science	67	51	0.72	13.75	413	573	2	70	96%
		242	Comp. Arch. & Assembly Lang.	13	7	0.20	1.30	39	195	1	30	43%
		250	Intro to Obj Ori Program.: C++	49	36	0.40	4.90	147	368	2	80	61%
		321	iOS Programming	24	17	0.20	2.40	72	360	1	30	80%
		695	Independent Study	7	7	0.00	0.23	7	#INF	1	7	100%
	Total			160	118	1.52	22.58	678	446	7	217	74%
Spring 2015	CIS	118	Intro. to Computer Science	65	49	0.72	13.23	397	551	2	70	93%
		250	Intro to Obj Ori Program.: C++	48	37	0.40	4.80	144	360	2	80	60%
		252	Intro to Data Structures - C++	23	15	0.20	2.30	69	345	1	30	77%
		262	Discrete Math. for Comp Scienc	11	10	0.20	1.10	33	165	1	30	37%
		284	Intro to Obj Orien Prog - Java	9	6	0.20	0.90	27	135	1	30	30%
		321	iOS Programming	16	6	0.20	1.60	48	240	1	30	53%
		695	Independent Study	6	6	0.00	0.30	9	#INF	1	7	86%
	Total			178	129	1.92	24.23	727	379	9	277	64%
Spring 2016	CIS	118	Intro. to Computer Science	72	45	0.72	14.40	432	600	2	70	103%
		250	Intro to Obj Ori Program.: C++	58	43	0.40	5.80	174	435	2	80	73%
		252	Intro to Data Structures - C++	19	11	0.20	1.90	57	285	1	30	63%
		262	Discrete Math. for Comp Scienc	15	14	0.20	1.50	45	225	1	30	50%
		284	Intro to Obj Orien Prog - Java	18	12	0.20	1.80	54	270	1	30	60%
	Total			182	125	1.72	25.40	762	443	7	240	76%
Spring 2017	CIS	118	Intro. to Computer Science	53	37	0.72	10.60	318	442	2	70	76%
		250	Intro to Obj Ori Program.: C++	75	53	0.60	7.50	225	375	3	120	63%
		252	Intro to Data Structures - C++	28	24	0.20	2.80	84	420	1	40	70%
		262	Discrete Math. for Comp Scienc	26	24	0.20	2.60	78	390	1	40	65%
		284	Intro to Obj Orien Prog - Java	29	25	0.20	2.90	87	435	1	40	73%
		321	iOS Programming	16	10	0.20	1.60	48	240	1	40	40%
	Total			227	173	2.12	28.00	840	396	9	350	65%
Summer 2012	CIS	118	Intro to Object-Oriented Prgm	16	11	0.20	1.68	50	252	1	30	53%

Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
	119	Open Computer Lab I	18	12	0.00	1.95	59	#INF	1	30	60%	
		680CC World Building with Alice	10	9	0.07	0.34	10	154	1	30	33%	
	Total		44	32	0.27	3.98	119	448	3	90	49%	
Summer 2013	CIS	118	Intro to Object-Oriented Prgm	60	46	0.72	12.51	375	521	1	80	75%
			680CC World Building with Alice	7	5	0.07	0.24	7	108	1	30	23%
	Total			67	51	0.79	12.75	383	486	2	110	61%
Summer 2014	CIS	118	Intro. to Computer Science	86	63	0.72	16.46	494	686	1	90	96%
		250	Intro to Obj Ori Program.: C++	70	48	0.40	7.00	210	525	1	90	78%
	Total			156	111	1.12	23.46	704	628	2	180	87%
Summer 2015	CIS	118	Intro. to Computer Science	71	46	0.56	14.40	432	772	1	80	89%
		250	Intro to Obj Ori Program.: C++	83	55	0.60	8.32	250	416	2	120	69%
	Total			154	101	1.16	22.72	682	588	3	200	77%
Summer 2016	CIS	118	Intro. to Computer Science	80	59	0.56	16.23	487	869	1	80	100%
		250	Intro to Obj Ori Program.: C++	60	41	0.20	6.00	180	900	1	80	75%
		284	Intro to Obj Orien Prog - Java	14	12	0.20	1.41	42	212	1	40	35%
	Total			154	112	0.96	23.64	709	739	3	200	77%