



Productivity 2012/13 through 2016/17 Engineering (ENGR)

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Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2012/13	311	272	2.36	53.20	1,596	676	17	367	84.9%
2013/14	280	242	2.36	37.38	1,122	475	15	437	64.1%
2014/15	329	294	2.16	45.97	1,379	639	14	352	93.5%
2015/16	282	244	2.63	40.04	1,201	457	16	393	71.8%
2016/17	300	282	2.76	42.61	1,278	463	14	378	79.4%

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	130	119	1.21	26.40	792	653	8	134	97.4%
Fall 2013	86	77	1.21	14.46	434	358	7	132	65.2%
Fall 2014	109	98	0.85	17.00	510	598	6	112	97.3%
Fall 2015	88	73	1.28	15.46	464	362	8	146	60.3%
Fall 2016	63	61	0.92	11.58	347	378	5	108	58.3%
Spring 2013	174	146	1.15	26.10	783	683	8	207	84.1%
Spring 2014	183	154	1.15	21.82	655	571	7	280	65.4%
Spring 2015	212	188	1.31	26.78	803	615	7	230	92.2%
Spring 2016	189	166	1.35	23.10	693	515	7	235	80.4%
Spring 2017	208	192	1.55	24.67	740	478	7	220	94.5%
Summer 2012	7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	8	8	0.00	2.19	66	#INF	1	10	80.0%
Summer 2015	5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	29	29	0.29	6.37	191	651	2	50	58.0%

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	113	107	1.21	24.13	724	597	7	114	99.6%
	Online	17	12	0.00	2.27	68	#INF	1	20	85.0%
Fall 2013	FaceToFace	77	69	1.21	13.56	407	335	6	112	68.8%
	Online	9	8	0.00	0.90	27	#INF	1	20	45.0%
Fall 2014	FaceToFace	87	81	0.85	14.80	444	520	5	92	94.6%
	Online	22	17	0.00	2.20	66	#INF	1	20	110.0%
Fall 2015	FaceToFace	65	54	1.28	11.92	357	279	6	116	56.0%
	Online	23	19	0.00	3.54	106	#INF	2	30	76.7%
Fall 2016	FaceToFace	44	44	0.92	8.44	253	275	3	69	63.8%
	Online	19	17	0.00	3.14	94	#INF	2	39	48.7%
Spring 2013	FaceToFace	114	106	1.15	18.10	543	474	6	157	72.6%
	Online	60	40	0.00	8.00	240	#INF	2	50	120.0%
Spring 2014	FaceToFace	116	102	1.15	15.12	454	396	5	170	68.2%
	Online	67	52	0.00	6.70	201	#INF	2	110	60.9%
Spring 2015	FaceToFace	158	145	1.31	21.38	641	491	5	170	92.9%
	Online	54	43	0.00	5.40	162	#INF	2	60	90.0%
Spring 2016	FaceToFace	152	139	1.15	19.40	582	508	5	150	101.3%
	Online	37	27	0.20	3.70	111	555	2	85	43.5%
Spring 2017	FaceToFace	148	141	1.15	18.67	560	488	5	155	95.5%
	Online	60	51	0.40	6.00	180	450	2	65	92.3%
Summer 2012	FaceToFace	7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	FaceToFace	11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	FaceToFace	8	8	0.00	2.19	66	#INF	1	10	80.0%
Summer 2015	FaceToFace	5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	FaceToFace	29	29	0.29	6.37	191	651	2	50	58.0%

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	130	119	1.21	26.40	792	653	8	134	97.4%
	Total	130	119	1.21	26.40	792	653	8	134	97.4%
Fall 2013	Non Basic Skills	86	77	1.21	14.46	434	358	7	132	65.2%
	Total	86	77	1.21	14.46	434	358	7	132	65.2%
Fall 2014	Non Basic Skills	109	98	0.85	17.00	510	598	6	112	97.3%
	Total	109	98	0.85	17.00	510	598	6	112	97.3%
Fall 2015	Non Basic Skills	88	73	1.28	15.46	464	362	8	146	60.3%
	Total	88	73	1.28	15.46	464	362	8	146	60.3%
Fall 2016	Non Basic Skills	63	61	0.92	11.58	347	378	5	108	58.3%
	Total	63	61	0.92	11.58	347	378	5	108	58.3%
Spring 2013	Non Basic Skills	174	146	1.15	26.10	783	683	8	207	84.1%
	Total	174	146	1.15	26.10	783	683	8	207	84.1%
Spring 2014	Non Basic Skills	183	154	1.15	21.82	655	571	7	280	65.4%
	Total	183	154	1.15	21.82	655	571	7	280	65.4%
Spring 2015	Non Basic Skills	212	188	1.31	26.78	803	615	7	230	92.2%
	Total	212	188	1.31	26.78	803	615	7	230	92.2%
Spring 2016	Non Basic Skills	189	166	1.35	23.10	693	515	7	235	80.4%
	Total	189	166	1.35	23.10	693	515	7	235	80.4%
Spring 2017	Non Basic Skills	208	192	1.55	24.67	740	478	7	220	94.5%
	Total	208	192	1.55	24.67	740	478	7	220	94.5%
Summer 2012	Non Basic Skills	7	7	0.00	0.70	21	#INF	1	26	26.9%
	Total	7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	Non Basic Skills	11	11	0.00	1.10	33	#INF	1	25	44.0%
	Total	11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	Non Basic Skills	8	8	0.00	2.19	66	#INF	1	10	80.0%
	Total	8	8	0.00	2.19	66	#INF	1	10	80.0%
Summer 2015	Non Basic Skills	5	5	0.00	1.49	45	#INF	1	12	41.7%
	Total	5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	Non Basic Skills	29	29	0.29	6.37	191	651	2	50	58.0%
	Total	29	29	0.29	6.37	191	651	2	50	58.0%

		<u>CTE vs NonCTE Courses</u>								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	Non CTE	130	119	1.21	26.40	792	653	8	134	97.4%
	Total	130	119	1.21	26.40	792	653	8	134	97.4%
Fall 2013	Non CTE	86	77	1.21	14.46	434	358	7	132	65.2%
	Total	86	77	1.21	14.46	434	358	7	132	65.2%
Fall 2014	Non CTE	109	98	0.85	17.00	510	598	6	112	97.3%
	Total	109	98	0.85	17.00	510	598	6	112	97.3%
Fall 2015	Non CTE	88	73	1.28	15.46	464	362	8	146	60.3%
	Total	88	73	1.28	15.46	464	362	8	146	60.3%
Fall 2016	Non CTE	63	61	0.92	11.58	347	378	5	108	58.3%
	Total	63	61	0.92	11.58	347	378	5	108	58.3%
Spring 2013	Non CTE	174	146	1.15	26.10	783	683	8	207	84.1%
	Total	174	146	1.15	26.10	783	683	8	207	84.1%
Spring 2014	Non CTE	183	154	1.15	21.82	655	571	7	280	65.4%
	Total	183	154	1.15	21.82	655	571	7	280	65.4%
Spring 2015	Non CTE	212	188	1.31	26.78	803	615	7	230	92.2%
	Total	212	188	1.31	26.78	803	615	7	230	92.2%
Spring 2016	Non CTE	189	166	1.35	23.10	693	515	7	235	80.4%
	Total	189	166	1.35	23.10	693	515	7	235	80.4%
Spring 2017	Non CTE	208	192	1.55	24.67	740	478	7	220	94.5%
	Total	208	192	1.55	24.67	740	478	7	220	94.5%
Summer 2012	Non CTE	7	7	0.00	0.70	21	#INF	1	26	26.9%
	Total	7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	Non CTE	11	11	0.00	1.10	33	#INF	1	25	44.0%
	Total	11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	Non CTE	8	8	0.00	2.19	66	#INF	1	10	80.0%

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CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH Load	Sections	Max Enroll	Fill Rates	
Total		8	8	0.00	2.19	66	#INF	1	10	80.0%
Summer 2015	Non CTE	5	5	0.00	1.49	45	#INF	1	12	41.7%
Total		5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	Non CTE	29	29	0.29	6.37	191	651	2	50	58.0%
Total		29	29	0.29	6.37	191	651	2	50	58.0%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH Load	Sections	Max Enroll	Fill Rates	
Fall 2012	Yes	130	119	1.21	26.40	792	653	8	134	97.4%
Total		130	119	1.21	26.40	792	653	8	134	97.4%
Fall 2013	Yes	86	77	1.21	14.46	434	358	7	132	65.2%
Total		86	77	1.21	14.46	434	358	7	132	65.2%
Fall 2014	Yes	109	98	0.85	17.00	510	598	6	112	97.3%
Total		109	98	0.85	17.00	510	598	6	112	97.3%
Fall 2015	Yes	88	73	1.28	15.46	464	362	8	146	60.3%
Total		88	73	1.28	15.46	464	362	8	146	60.3%
Fall 2016	Yes	63	61	0.92	11.58	347	378	5	108	58.3%
Total		63	61	0.92	11.58	347	378	5	108	58.3%
Spring 2013	Yes	174	146	1.15	26.10	783	683	8	207	84.1%
Total		174	146	1.15	26.10	783	683	8	207	84.1%
Spring 2014	Yes	183	154	1.15	21.82	655	571	7	280	65.4%
Total		183	154	1.15	21.82	655	571	7	280	65.4%
Spring 2015	Yes	212	188	1.31	26.78	803	615	7	230	92.2%
Total		212	188	1.31	26.78	803	615	7	230	92.2%
Spring 2016	Yes	189	166	1.35	23.10	693	515	7	235	80.4%
Total		189	166	1.35	23.10	693	515	7	235	80.4%
Spring 2017	Yes	208	192	1.55	24.67	740	478	7	220	94.5%
Total		208	192	1.55	24.67	740	478	7	220	94.5%
Summer 2012	Yes	7	7	0.00	0.70	21	#INF	1	26	26.9%
Total		7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	Yes	11	11	0.00	1.10	33	#INF	1	25	44.0%
Total		11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	Yes	8	8	0.00	2.19	66	#INF	1	10	80.0%

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Transfer vs Non Transfer Courses

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates	
Summer 2015	Total	8	8	0.00	2.19	66	#INF	1	10	80.0%
	Yes	5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	Total	5	5	0.00	1.49	45	#INF	1	12	41.7%
	Yes	29	29	0.29	6.37	191	651	2	50	58.0%
	Total	29	29	0.29	6.37	191	651	2	50	58.0%

Day vs Evening Courses

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates	
Fall 2012	Day	81	75	0.92	17.20	516	561	5	84	97.0%
	Evening	49	44	0.29	9.20	276	941	3	50	98.0%
Fall 2013	Day	54	47	0.92	9.35	280	305	4	82	65.9%
	Evening	32	30	0.29	5.12	154	523	3	50	64.0%
Fall 2014	Day	55	50	0.56	9.15	274	490	3	56	98.2%
	Evening	54	48	0.29	7.85	236	803	3	56	96.4%
Fall 2015	Day	47	37	0.92	8.32	249	271	4	80	58.8%
	Evening	41	36	0.36	7.14	214	595	4	66	62.1%
Fall 2016	Day	44	44	0.92	8.44	253	275	3	69	63.8%
	Evening	19	17	0.00	3.14	94	#INF	2	39	48.7%
Spring 2013	Day	100	92	0.99	16.70	501	508	5	127	78.7%
	Evening	74	54	0.16	9.40	282	1,763	3	80	92.5%
Spring 2014	Day	56	47	0.69	6.82	205	295	3	105	53.3%
	Evening	127	107	0.45	15.00	450	993	4	175	72.6%
Spring 2015	Day	76	70	0.69	9.58	287	415	3	90	84.4%
	Evening	136	118	0.61	17.20	516	841	4	140	97.1%
Spring 2016	Day	88	78	0.69	11.00	330	476	3	90	97.8%
	Evening	101	88	0.65	12.10	363	556	4	145	69.7%
Spring 2017	Day	115	108	0.99	15.37	461	467	4	125	92.0%

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Day vs Evening Courses

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Evening	93	84	0.56	9.30	279	498	3	95	97.9%
Summer 2012	7	7	0.00	0.70	21	#INF	1	26	26.9%
Summer 2013	11	11	0.00	1.10	33	#INF	1	25	44.0%
Summer 2014	8	8	0.00	2.19	66	#INF	1	10	80.0%
Summer 2015	5	5	0.00	1.49	45	#INF	1	12	41.7%
Summer 2016	29	29	0.29	6.37	191	651	2	50	58.0%

Productivity by Courses by Semester

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
Fall 2012	ENGR 111	Surveying	25	23	0.36	6.17	185	514	1	24	104%
	210	Engineering Graphics	30	28	0.36	8.30	249	692	1	31	97%
	240	Engineering Dynamics	35	28	0.20	4.67	140	700	2	80	44%
	270	Materials Science	32	32	0.29	6.93	208	709	2	60	53%
	695	Independent Study	8	8	0.00	0.33	10	#INF	2	24	33%
	Total		130	119	1.21	26.40	792	653	8	219	59%
Fall 2013	ENGR 111	Surveying	12	11	0.36	2.64	79	220	1	24	50%
	210	Engineering Graphics	23	20	0.36	4.91	147	409	1	28	82%
	240	Engineering Dynamics	25	21	0.20	2.50	75	375	2	80	31%
	270	Materials Science	23	22	0.29	4.22	127	431	2	60	38%
	695	Independent Study	3	3	0.00	0.20	6	#INF	1	10	30%
	Total		86	77	1.21	14.46	434	358	7	202	43%
Fall 2014	ENGR 210	Engineering Graphics	33	29	0.36	7.04	211	587	1	28	118%
	240	Engineering Dynamics	42	36	0.20	4.20	126	630	2	80	53%
	270	Materials Science	32	31	0.29	5.65	170	578	2	72	44%
	695	Independent Study	2	2	0.00	0.11	3	#INF	1	8	25%
	Total		109	98	0.85	17.00	510	598	6	188	58%
Fall 2015	ENGR 111	Surveying	13	13	0.36	2.86	86	238	1	24	54%

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Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
		210	Engineering Graphics	31	20	0.36	6.49	195	541	2	38	82%
		240	Engineering Dynamics	24	22	0.20	2.40	72	360	2	80	30%
		270	Materials Science	18	17	0.36	3.60	108	300	2	72	25%
		695	Independent Study	2	1	0.00	0.10	3	#INF	1	8	25%
		Total		88	73	1.28	15.46	464	362	8	222	40%
Fall 2016	ENGR	210	Engineering Graphics	30	29	0.36	6.28	188	523	2	76	39%
		240	Engineering Dynamics	13	12	0.20	1.30	39	195	2	80	16%
		270	Materials Science	20	20	0.36	4.00	120	333	1	30	67%
		Total		63	61	0.92	11.58	347	378	5	186	34%
Spring 2013	ENGR	100	Introduction to Engineering	36	34	0.29	7.44	223	761	1	35	103%
		215	Comput. Methods Engr/Scientist	25	23	0.29	5.17	155	528	1	30	83%
		230	Statics	35	23	0.20	4.76	143	714	2	100	35%
		260	Circuits And Devices	39	28	0.00	5.20	156	#INF	1	50	78%
			Circuits And Devices - Honors	13	12	0.20	1.73	52	260	1	50	26%
		261	Circuits & Devic. Lab. -Honors	14	14	0.16	1.40	42	263	1	30	47%
		695	Independent Study	12	12	0.00	0.40	12	#INF	1	12	100%
		Total		174	146	1.15	26.10	783	683	8	307	57%
Spring 2014	ENGR	100	Introduction to Engineering	30	26	0.29	5.00	150	511	1	35	86%
		215	Comput. Methods Engr/Scientist	16	11	0.29	2.67	80	273	1	30	53%
		230	Statics	45	38	0.20	4.65	140	698	2	90	50%
		260	Circuits and Devices	45	34	0.00	4.50	135	#INF	1	60	75%
			Circuits And Devices - Honors	17	16	0.20	1.70	51	255	1	35	49%
		261	Circuits & Devic. Lab. -Honors	30	29	0.16	3.30	99	619	1	30	100%
		Total		183	154	1.15	21.82	655	571	7	280	65%
Spring 2015	ENGR	100	Introduction to Engineering	49	42	0.45	8.17	245	540	1	50	98%
		215	Comput. Methods Engr/Scientist	28	26	0.29	4.67	140	477	1	30	93%
		230	Statics	37	33	0.20	3.81	114	572	2	100	37%
		260	Circuits And Devices	31	28	0.20	3.10	93	465	1	70	44%
			Circuits and Devices	34	26	0.00	3.40	102	#INF	1	70	49%
		261	Circuits & Devic. Lab.	33	33	0.16	3.63	109	681	1	30	110%

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Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Total			212	188	1.31	26.78	803	615	7	350	61%
Spring 2016	ENGR 100	Introduction to Engineering	30	28	0.29	5.00	150	511	1	30	100%
	215	Comput. Methods Engr/Scientist	33	27	0.29	5.50	165	563	1	30	110%
	230	Statics	35	29	0.20	3.50	105	525	2	100	35%
	260	Circuits And Devices	31	28	0.20	3.10	93	465	1	35	89%
		Circuits and Devices	26	21	0.20	2.60	78	390	1	60	43%
	261	Circuits & Devic. Lab.	34	33	0.16	3.40	102	638	1	30	113%
	Total			189	166	1.35	23.10	693	515	7	285
Spring 2017	ENGR 100	Introduction to Engineering	28	28	0.29	4.67	140	477	1	30	93%
	215	Comput. Methods Engr/Scientist	30	26	0.29	5.00	150	511	1	30	100%
	230	Statics	49	43	0.40	4.90	147	368	2	60	82%
	260	Circuits And Devices	37	36	0.20	3.70	111	555	1	35	106%
		Circuits and Devices	31	26	0.20	3.10	93	465	1	35	89%
	261	Circuits & Devic. Lab.	33	33	0.16	3.30	99	619	1	30	110%
	Total			208	192	1.55	24.67	740	478	7	220
Summer 2012	ENGR 695	Independent Study	7	7	0.00	0.70	21	#INF	1	26	27%
	Total			7	7	0.00	0.70	21	#INF	1	26
Summer 2013	ENGR 695	Independent Study	11	11	0.00	1.10	33	#INF	1	25	44%
	Total			11	11	0.00	1.10	33	#INF	1	25
Summer 2014	ENGR 695	Independent Study	8	8	0.00	2.19	66	#INF	1	10	80%
	Total			8	8	0.00	2.19	66	#INF	1	10
Summer 2015	ENGR 695	Independent Study	5	5	0.00	1.49	45	#INF	1	12	42%
	Total			5	5	0.00	1.49	45	#INF	1	12
Summer 2016	ENGR 100	Introduction to Engineering	16	16	0.29	2.66	80	272	1	30	53%
	695	Independent Study	13	13	0.00	3.70	111	#INF	1	20	65%
	Total			29	29	0.29	6.37	191	651	2	50