



# Productivity 2011/12 through 2015/16 Computer Information Systems (CIS)

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<b>Productivity by Year</b>									
	<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
2011/12	342	207	1.67	33.90	1,017	610	14	405	84.4%
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%

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.

Cañada College Productivity 2015-16

**Productivity by Semester**

	<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	142	95	0.80	15.08	452	566	6	180	78.9%
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%
Spring 2012	191	106	0.80	18.55	556	696	7	210	91.0%
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%
Summer 2011	9	6	0.07	0.28	8	125	1	15	60.0%
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%

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		<b><u>DE vs Non DE Courses</u></b>								
		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	FaceToFace	106	67	0.80	11.12	334	417	5	140	75.7%
	Online	36	28	0.00	3.96	119	#INF	1	40	90.0%
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%
Spring 2012	FaceToFace	107	63	0.80	10.53	316	395	4	120	89.2%
	Online	84	43	0.00	8.01	240	#INF	3	90	93.3%
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								35	
Summer 2011	FaceToFace	9	6	0.07	0.28	8	125	1	15	60.0%

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		<b><u>DE vs Non DE Courses</u></b>								
		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Summer 2012	FaceToFace	26	20	0.27	2.03	61	228	2	45	57.8%
	Online								30	
Summer 2013	FaceToFace	18	12	0.00	1.95	59	#INF	1		60.0%
	Online	7	5	0.07	0.24	7	108	1	15	46.7%
Summer 2014	Online	60	46	0.72	12.51	375	521	1	80	75.0%
		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%

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**Basic Skills vs Non Basic Skills Courses**

		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	Non Basic Skills	142	95	0.80	15.08	452	566	6	180	78.9%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
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%
Spring 2012	Non Basic Skills	191	106	0.80	18.55	556	696	7	210	91.0%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
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%
Summer 2011	Non Basic Skills	9	6	0.07	0.28	8	125	1	15	60.0%
	Total	9	6	0.07	0.28	8	125	1	15	60.0%
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%

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**Basic Skills vs Non Basic Skills Courses**

	<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Summer 2015 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%
Summer 2015 Total	154	101	1.16	22.72	682	588	3	200	77.0%

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		<b>CTE vs NonCTE Courses</b>								
		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	CTE	108	68	0.40	11.34	340	851	4	120	90.0%
	Non CTE	34	27	0.40	3.74	112	281	2	60	56.7%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
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%
Spring 2012	CTE	168	86	0.60	16.25	487	812	6	180	93.3%
	Non CTE	23	20	0.20	2.30	69	345	1	30	76.7%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
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%

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		<b>CTE vs NonCTE Courses</b>								
		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Spring 2016	Total	178	129	1.92	24.23	727	379	9	277	64.3%
	CTE	182	125	1.72	25.40	762	443	7	240	75.8%
Summer 2011	Total	182	125	1.72	25.40	762	443	7	240	75.8%
	Non CTE	9	6	0.07	0.28	8	125	1	15	60.0%
Summer 2012	Total	9	6	0.07	0.28	8	125	1	15	60.0%
	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%
Summer 2013	Total	44	32	0.27	3.98	119	448	3	75	58.7%
	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%
Summer 2014	Total	67	51	0.79	12.75	383	486	2	95	70.5%
	CTE	156	111	1.12	23.46	704	628	2	180	86.7%
Summer 2015	Total	156	111	1.12	23.46	704	628	2	180	86.7%
	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%



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<b>Transfer vs Non Transfer Courses</b>										
		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	Yes	142	95	0.80	15.08	452	566	6	180	78.9%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
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%
	Total	196	146	1.72	26.60	798	464	7	265	74.0%
Spring 2012	Yes	191	106	0.80	18.55	556	696	7	210	91.0%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
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%
Summer 2011	Yes	9	6	0.07	0.28	8	125	1	15	60.0%
	Total	9	6	0.07	0.28	8	125	1	15	60.0%
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%

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**Transfer vs Non Transfer Courses**

	<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
<b>Total</b>	154	101	1.16	22.72	682	588	3	200	77.0%

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**Day vs Evening Courses**

		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2011	Day	54	32	0.40	5.40	162	405	2	60	90.0%
	Evening	88	63	0.40	9.68	290	726	4	120	73.3%
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%
Spring 2012	Day	59	32	0.40	5.73	172	430	2	60	98.3%
	Evening	132	74	0.40	12.81	384	961	5	150	88.0%
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%
Summer 2011	Evening	9	6	0.07	0.28	8	125	1	15	60.0%
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%

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**Productivity by Courses by Semester**

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
<b>Fall 2011</b>	CIS	118	Intro to Object-Oriented Prgm	54	32	0.40	5.40	162	405	2	60	90%
		119	Open Computer Lab	18	8	0.00	1.98	59	#INF	1	20	90%
			Open Computer Lab I	36	28	0.00	3.96	119	#INF	1	40	90%
		321	Programming for the iPhone	25	21	0.20	2.75	83	413	1	30	83%
		680CD	JavaScript for Web 2.0	9	6	0.20	0.99	30	149	1	30	30%
	Total			142	95	0.80	15.08	452	566	6	180	79%
<b>Fall 2012</b>	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%
<b>Fall 2013</b>	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%
<b>Fall 2014</b>	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%
<b>Fall 2015</b>	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%
<b>Spring</b>	CIS	118	Intro to Object-Oriented Prgm	59	23	0.40	5.90	177	443	2	60	98%

## Cañada College Productivity 2015-16

**Productivity by Courses by Semester**

		Census	End of Term									
		Headcount	Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate		
<b>2012</b>		119	Open Computer Lab	25	11	0.00	2.25	68	#INF	1	30	83%
			Open Computer Lab I	34	12	0.00	3.51	105	#INF	1	30	113%
		250	Programming Methods I: C++	25	20	0.20	2.33	70	350	1	30	83%
		251	Open Computer Lab I: C++	25	20	0.00	2.25	68	#INF	1	30	83%
		321	iOS Programming	23	20	0.20	2.30	69	345	1	30	77%
		Total			191	106	0.80	18.55	556	696	7	210
<b>Spring 2013</b>	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%
		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
<b>Spring 2014</b>	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
<b>Spring 2015</b>	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
<b>Spring 2016</b>	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%

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**Productivity by Courses by Semester**

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		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%
<b>Summer 2011</b>	CIS	680CC	World Building with Alice	9	6	0.07	0.28	8	125	1	30	30%
	Total			9	6	0.07	0.28	8	125	1	30	30%
<b>Summer 2012</b>	CIS	118	Intro to Object-Oriented Prgm	16	11	0.20	1.68	50	252	1	30	53%
		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%
<b>Summer 2013</b>	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%
<b>Summer 2014</b>	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%
<b>Summer 2015</b>	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%

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**Productivity by Cross listed Courses by Semester**

				<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>WSCH Combined</b>	<b>Load Combined</b>	<b>Section</b>
Spring 2013	RC	321	iOS Programming	28	20	0.20	84	420	2
Summer 2011	RC	680CC	World Building with Alice	9	6	0.07	8	125	1
Summer 2012	RC	680CC	World Building with Alice	10	9	0.07	10	154	1
Summer 2013	RC	680CC	World Building with Alice	7	5	0.07	7	108	1