



Productivity 2013/14 through 2017/18 Chemistry (CHEM)

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Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2013/14	728	583	10.40	190.59	5,718	550	27	762	95.5%
2014/15	642	548	9.96	161.12	4,834	485	24	735	87.3%
2015/16	717	616	10.60	179.65	5,389	508	27	787	91.1%
2016/17	729	632	10.44	191.95	5,759	552	25	728	100.1%
2017/18	618	531	9.32	167.47	5,024	539	23	654	94.5%

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.

Data Source: SMCCD Data Warehouse

Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	293	220	4.32	78.79	2,364	547	11	290	101.0%
Fall 2014	244	192	4.00	61.60	1,848	462	9	295	82.7%
Fall 2015	298	253	4.52	75.55	2,267	501	11	330	90.3%
Fall 2016	326	275	4.68	85.70	2,571	549	12	335	97.3%
Fall 2017	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	299	245	4.32	77.34	2,320	537	11	347	86.2%
Spring 2015	278	244	4.20	67.85	2,036	485	11	320	86.9%
Spring 2016	310	263	4.32	77.60	2,328	539	12	337	92.0%
Spring 2017	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	123	110	1.76	31.05	932	529	4	121	101.7%
Summer 2017	79	74	1.40	21.41	642	459	3	92	85.9%

		<u>DE vs Non DE Courses</u>								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	FaceToFace	263	198	3.96	72.79	2,184	551	10	260	101.2%
	Online	30	22	0.36	6.00	180	500	1	30	100.0%
Fall 2014	FaceToFace	244	192	4.00	61.60	1,848	462	9	295	82.7%
Fall 2015	FaceToFace	298	253	4.52	75.55	2,267	501	11	330	90.3%
Fall 2016	FaceToFace	326	275	4.68	85.70	2,571	549	12	335	97.3%
Fall 2017	FaceToFace	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	FaceToFace	299	245	4.32	77.34	2,320	537	11	347	86.2%
Spring 2015	FaceToFace	246	218	3.84	61.45	1,844	480	10	290	84.8%
	Online	32	26	0.36	6.40	192	533	1	30	106.7%
Spring 2016	FaceToFace	280	236	3.96	71.60	2,148	542	11	307	91.2%
	Online	30	27	0.36	6.00	180	500	1	30	100.0%
Spring 2017	FaceToFace	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	FaceToFace	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	FaceToFace	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	FaceToFace	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	FaceToFace	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	FaceToFace	123	110	1.76	31.05	932	529	4	121	101.7%
Summer 2017	FaceToFace	79	74	1.40	21.41	642	459	3	92	85.9%

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Non Basic Skills	293	220	4.32	78.79	2,364	547	11	290	101.0%
	Total	293	220	4.32	78.79	2,364	547	11	290	101.0%
Fall 2014	Non Basic Skills	244	192	4.00	61.60	1,848	462	9	295	82.7%
	Total	244	192	4.00	61.60	1,848	462	9	295	82.7%
Fall 2015	Non Basic Skills	298	253	4.52	75.55	2,267	501	11	330	90.3%
	Total	298	253	4.52	75.55	2,267	501	11	330	90.3%
Fall 2016	Non Basic Skills	326	275	4.68	85.70	2,571	549	12	335	97.3%
	Total	326	275	4.68	85.70	2,571	549	12	335	97.3%
Fall 2017	Non Basic Skills	278	234	4.32	75.80	2,274	526	10	300	92.7%
	Total	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	Non Basic Skills	299	245	4.32	77.34	2,320	537	11	347	86.2%
	Total	299	245	4.32	77.34	2,320	537	11	347	86.2%
Spring 2015	Non Basic Skills	278	244	4.20	67.85	2,036	485	11	320	86.9%
	Total	278	244	4.20	67.85	2,036	485	11	320	86.9%
Spring 2016	Non Basic Skills	310	263	4.32	77.60	2,328	539	12	337	92.0%
	Total	310	263	4.32	77.60	2,328	539	12	337	92.0%
Spring 2017	Non Basic Skills	280	247	4.00	75.20	2,256	564	9	272	102.9%
	Total	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	Non Basic Skills	261	223	3.60	70.25	2,108	585	10	262	99.6%
	Total	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	Non Basic Skills	136	118	1.76	34.46	1,034	587	5	125	108.8%
	Total	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	Non Basic Skills	120	112	1.76	31.67	950	540	4	120	100.0%
	Total	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	Non Basic Skills	109	100	1.76	26.50	795	452	4	120	90.8%
	Total	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	Non Basic Skills	123	110	1.76	31.05	932	529	4	121	101.7%
	Total	123	110	1.76	31.05	932	529	4	121	101.7%

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Summer 2017	Non Basic Skills	79	74	1.40	21.41	642	459	3	92	85.9%
	Total	79	74	1.40	21.41	642	459	3	92	85.9%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Non CTE	293	220	4.32	78.79	2,364	547	11	290	101.0%
	Total	293	220	4.32	78.79	2,364	547	11	290	101.0%
Fall 2014	Non CTE	244	192	4.00	61.60	1,848	462	9	295	82.7%
	Total	244	192	4.00	61.60	1,848	462	9	295	82.7%
Fall 2015	Non CTE	298	253	4.52	75.55	2,267	501	11	330	90.3%
	Total	298	253	4.52	75.55	2,267	501	11	330	90.3%
Fall 2016	Non CTE	326	275	4.68	85.70	2,571	549	12	335	97.3%
	Total	326	275	4.68	85.70	2,571	549	12	335	97.3%
Fall 2017	Non CTE	278	234	4.32	75.80	2,274	526	10	300	92.7%
	Total	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	Non CTE	299	245	4.32	77.34	2,320	537	11	347	86.2%
	Total	299	245	4.32	77.34	2,320	537	11	347	86.2%
Spring 2015	Non CTE	278	244	4.20	67.85	2,036	485	11	320	86.9%
	Total	278	244	4.20	67.85	2,036	485	11	320	86.9%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Spring 2016	Non CTE	310	263	4.32	77.60	2,328	539	12	337	92.0%
	Total	310	263	4.32	77.60	2,328	539	12	337	92.0%
Spring 2017	Non CTE	280	247	4.00	75.20	2,256	564	9	272	102.9%
	Total	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	Non CTE	261	223	3.60	70.25	2,108	585	10	262	99.6%
	Total	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	Non CTE	136	118	1.76	34.46	1,034	587	5	125	108.8%
	Total	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	Non CTE	120	112	1.76	31.67	950	540	4	120	100.0%
	Total	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	Non CTE	109	100	1.76	26.50	795	452	4	120	90.8%
	Total	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	Non CTE	123	110	1.76	31.05	932	529	4	121	101.7%
	Total	123	110	1.76	31.05	932	529	4	121	101.7%
Summer 2017	Non CTE	79	74	1.40	21.41	642	459	3	92	85.9%
	Total	79	74	1.40	21.41	642	459	3	92	85.9%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Yes	293	220	4.32	78.79	2,364	547	11	290	101.0%
	Total	293	220	4.32	78.79	2,364	547	11	290	101.0%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2014	Yes	244	192	4.00	61.60	1,848	462	9	295	82.7%
	Total	244	192	4.00	61.60	1,848	462	9	295	82.7%
Fall 2015	Yes	298	253	4.52	75.55	2,267	501	11	330	90.3%
	Total	298	253	4.52	75.55	2,267	501	11	330	90.3%
Fall 2016	Yes	326	275	4.68	85.70	2,571	549	12	335	97.3%
	Total	326	275	4.68	85.70	2,571	549	12	335	97.3%
Fall 2017	Yes	278	234	4.32	75.80	2,274	526	10	300	92.7%
	Total	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	Yes	299	245	4.32	77.34	2,320	537	11	347	86.2%
	Total	299	245	4.32	77.34	2,320	537	11	347	86.2%
Spring 2015	Yes	278	244	4.20	67.85	2,036	485	11	320	86.9%
	Total	278	244	4.20	67.85	2,036	485	11	320	86.9%
Spring 2016	Yes	310	263	4.32	77.60	2,328	539	12	337	92.0%
	Total	310	263	4.32	77.60	2,328	539	12	337	92.0%
Spring 2017	Yes	280	247	4.00	75.20	2,256	564	9	272	102.9%
	Total	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	Yes	261	223	3.60	70.25	2,108	585	10	262	99.6%
	Total	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	Yes	136	118	1.76	34.46	1,034	587	5	125	108.8%
	Total	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	Yes	120	112	1.76	31.67	950	540	4	120	100.0%
	Total	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	Yes	109	100	1.76	26.50	795	452	4	120	90.8%
	Total	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	Yes	123	110	1.76	31.05	932	529	4	121	101.7%
	Total	123	110	1.76	31.05	932	529	4	121	101.7%
Summer 2017	Yes	79	74	1.40	21.41	642	459	3	92	85.9%
	Total	79	74	1.40	21.41	642	459	3	92	85.9%

		Day vs Evening Courses								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Day	231	179	3.44	62.55	1,877	545	9	230	100.4%
	Evening	62	41	0.88	16.24	487	554	2	60	103.3%
Fall 2014	Day	229	184	3.64	58.60	1,758	483	8	265	86.4%
	Evening	15	8	0.36	3.00	90	250	1	30	50.0%
Fall 2015	Day	273	231	4.16	70.30	2,109	507	10	300	91.0%
	Evening	25	22	0.36	5.25	158	438	1	30	83.3%
Fall 2016	Day	301	256	4.32	80.45	2,414	559	11	305	98.7%
	Evening	25	19	0.36	5.25	158	438	1	30	83.3%
Fall 2017	Day	278	234	4.32	75.80	2,274	526	10	300	92.7%
Spring 2014	Day	251	216	3.44	64.50	1,935	563	9	287	87.5%
	Evening	48	29	0.88	12.84	385	438	2	60	80.0%
Spring 2015	Day	248	220	3.84	61.15	1,835	478	10	285	87.0%
	Evening	30	24	0.36	6.70	201	558	1	35	85.7%
Spring 2016	Day	285	245	3.96	72.35	2,170	548	11	305	93.4%
	Evening	25	18	0.36	5.25	158	438	1	32	78.1%
Spring 2017	Day	280	247	4.00	75.20	2,256	564	9	272	102.9%
Spring 2018	Day	261	223	3.60	70.25	2,108	585	10	262	99.6%
Summer 2013	Day	136	118	1.76	34.46	1,034	587	5	125	108.8%
Summer 2014	Day	120	112	1.76	31.67	950	540	4	120	100.0%
Summer 2015	Day	109	100	1.76	26.50	795	452	4	120	90.8%
Summer 2016	Day	123	110	1.76	31.05	932	529	4	121	101.7%
Summer 2017	Day	79	74	1.40	21.41	642	459	3	92	85.9%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Fall 2013	CHEM	192	Elementary Chemistry	29	26	0.36	5.80	174	483	1	30	97%
		210	General Chemistry I	153	105	2.20	46.54	1,396	635	5	150	102%
		220	General Chemistry II	29	25	0.52	8.70	261	502	1	30	97%
		231	Organic Chemistry I	19	16	0.52	5.70	171	329	1	30	63%
		410	Chem For Health Sciences	60	45	0.72	12.00	360	500	2	60	100%
		695	Independent Study	3	3	0.00	0.05	2	#INF	1	5	60%
	Total			293	220	4.32	78.79	2,364	547	11	305	96%
Fall 2014	CHEM	192	Elementary Chemistry	59	54	0.72	11.80	354	492	2	60	98%
		210	General Chemistry I	50	35	1.04	15.00	450	433	2	60	83%
		220	General Chemistry II	47	39	0.84	14.10	423	504	2	65	72%
		231	Organic Chemistry I	31	22	0.52	9.30	279	537	1	30	103%
		410	Chem For Health Sciences	57	42	0.88	11.40	342	389	2	80	71%
		Total			244	192	4.00	61.60	1,848	462	9	295
Fall 2015	CHEM	192	Elementary Chemistry	84	72	1.08	17.05	512	474	3	90	93%
		210	General Chemistry I	76	63	1.36	22.80	684	503	3	90	84%
		220	General Chemistry II	49	41	0.84	14.70	441	525	2	60	82%
		231	Organic Chemistry I	28	25	0.52	8.40	252	485	1	30	93%
		410	Chem For Health Sciences	61	52	0.72	12.60	378	525	2	60	102%
		Total			298	253	4.52	75.55	2,267	501	11	330
Fall 2016	CHEM	192	Elementary Chemistry	57	42	0.72	11.65	350	485	2	60	95%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		210	General Chemistry I	123	102	1.88	36.90	1,107	589	4	120	103%
		220	General Chemistry II	50	46	0.84	15.00	450	536	2	60	83%
		231	Organic Chemistry I	31	28	0.52	9.30	279	537	1	30	103%
		410	Chem For Health Sciences	64	56	0.72	12.80	384	533	2	60	107%
		695	Independent Study	1	1	0.00	0.05	2	#INF	1	5	20%
	Total			326	275	4.68	85.70	2,571	549	12	335	97%
Fall 2017	CHEM	192	Elementary Chemistry	24	19	0.36	4.80	144	400	1	30	80%
		210	General Chemistry I	121	101	1.88	36.30	1,089	579	4	120	101%
		220	General Chemistry II	53	50	0.84	15.90	477	568	2	60	88%
		231	Organic Chemistry I	28	25	0.52	8.40	252	485	1	30	93%
		410	Chem For Health Sciences	52	39	0.72	10.40	312	433	2	60	87%
	Total			278	234	4.32	75.80	2,274	526	10	300	93%
Spring 2014	CHEM	192	Elementary Chemistry	30	25	0.36	6.20	186	517	1	35	86%
		210	General Chemistry I	124	95	1.88	37.74	1,132	602	4	120	103%
		220	General Chemistry II	59	53	0.84	17.70	531	632	2	60	98%
		235	Organic Chemistry II	15	15	0.20	1.50	45	225	1	42	36%
		238	Organic Chemistry Lab II	16	16	0.32	3.20	96	300	1	30	53%
		410	Chemistry for Health Sciences	55	41	0.72	11.00	330	458	2	60	92%
	Total			299	245	4.32	77.34	2,320	537	11	347	86%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Spring 2015	CHEM	192	Elementary Chemistry	96	82	1.08	19.90	597	553	3	105	91%
		210	General Chemistry I	45	42	1.04	13.50	405	389	2	60	75%
		220	General Chemistry II	51	47	0.84	15.30	459	546	2	60	85%
		232	Organic Chemistry II	21	19	0.52	6.30	189	363	1	30	70%
		410	Chem For Health Sciences	32	26	0.36	6.40	192	533	1	30	107%
			Chemistry for Health Sciences	32	27	0.36	6.40	192	533	1	30	107%
		695	Independent Study	1	1	0.00	0.05	2	#INF	1	5	20%
	Total			278	244	4.20	67.85	2,036	485	11	320	87%
Spring 2016	CHEM	192	Elementary Chemistry	91	70	0.88	18.45	554	629	3	96	95%
		210	General Chemistry I	73	64	1.36	21.90	657	483	3	90	81%
		220	General Chemistry II	54	48	0.84	16.20	486	579	2	60	90%
		232	Organic Chemistry II	28	25	0.52	8.40	252	485	1	30	93%
		410	Chem For Health Sciences	30	27	0.36	6.00	180	500	1	30	100%
			Chemistry for Health Sciences	33	28	0.36	6.60	198	550	1	30	110%
		695	Independent Study	1	1	0.00	0.05	1	#INF	1	1	100%
	Total			310	263	4.32	77.60	2,328	539	12	337	92%
Spring 2017	CHEM	192	Elementary Chemistry	26	22	0.36	5.20	156	433	1	32	81%
		210	General Chemistry I	97	75	1.56	29.10	873	560	3	90	108%
		220	General Chemistry II	64	63	0.84	19.20	576	686	2	60	107%
		232	Organic Chemistry II	31	31	0.52	9.30	279	537	1	30	103%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		410	Chem For Health Sciences	30	27	0.36	6.00	180	500	1	30	100%
			Chemistry for Health Sciences	32	29	0.36	6.40	192	533	1	30	107%
		Total		280	247	4.00	75.20	2,256	564	9	272	103%
Spring 2018	CHEM	192	Elementary Chemistry	26	21	0.36	5.20	156	433	1	30	87%
		210	General Chemistry I	90	77	1.36	27.00	810	596	3	90	100%
		220	General Chemistry II	65	64	0.84	19.50	585	696	2	60	108%
		232	Organic Chemistry II	27	24	0.52	8.10	243	467	1	30	90%
		410	Chem For Health Sciences	24	14	0.16	4.80	144	900	1	25	96%
			Chemistry for Health Sciences	28	22	0.36	5.60	168	467	1	25	112%
		695	Independent Study	1	1	0.00	0.05	2	#INF	1	2	50%
		Total		261	223	3.60	70.25	2,108	585	10	262	100%
Summer 2013	CHEM	192	Elementary Chemistry	35	33	0.36	7.36	221	613	1	30	117%
		210	General Chemistry I	37	30	0.52	11.18	336	645	1	30	123%
		220	General Chemistry II	33	33	0.52	9.98	299	576	1	30	110%
		410	Chem For Health Sciences	28	19	0.36	5.89	177	491	1	30	93%
		695	Independent Study	3	3	0.00	0.05	2	#INF	1	5	60%
		Total		136	118	1.76	34.46	1,034	587	5	125	109%
Summer 2014	CHEM	192	Elementary Chemistry	34	34	0.36	7.15	214	596	1	30	113%
		210	General Chemistry I	32	30	0.52	9.95	298	574	1	30	107%
		220	General Chemistry II	32	31	0.52	9.95	298	574	1	30	107%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		410	Chem For Health Sciences	22	17	0.36	4.63	139	386	1	30	73%
		Total		120	112	1.76	31.67	950	540	4	120	100%
Summer 2015	CHEM	192	Elementary Chemistry	35	35	0.36	7.05	212	588	1	30	117%
		210	General Chemistry I	16	15	0.52	4.77	143	275	1	30	53%
		220	General Chemistry II	31	30	0.52	9.24	277	533	1	30	103%
		410	Chem For Health Sciences	27	20	0.36	5.44	163	453	1	30	90%
		Total			109	100	1.76	26.50	795	452	4	120
Summer 2016	CHEM	192	Elementary Chemistry	32	27	0.36	6.45	193	537	1	30	107%
		210	General Chemistry I	29	27	0.52	8.64	259	498	1	30	97%
		220	General Chemistry II	36	36	0.52	10.72	322	619	1	31	116%
		410	Chem For Health Sciences	26	20	0.36	5.24	157	437	1	30	87%
		Total			123	110	1.76	31.05	932	529	4	121
Summer 2017	CHEM	210	General Chemistry I	25	24	0.52	7.45	223	430	1	30	83%
		220	General Chemistry II	32	32	0.52	9.53	286	550	1	32	100%
		410	Chem For Health Sciences	22	18	0.36	4.43	133	369	1	30	73%
		Total			79	74	1.40	21.41	642	459	3	92