



# Productivity 2008/09 through 2013/14 Engineering (ENGR)

## Productivity by Year

	<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>
2009/10	238	173	2.34	<b>36.86</b>	1,106	473	16	365	65.2%
2010/11	283	229	2.36	<b>51.05</b>	1,532	649	15	316	89.7%
2011/12	283	233	2.34	<b>42.41</b>	1,272	544	18	346	81.8%
2012/13	304	265	2.36	<b>52.50</b>	1,575	667	16	341	89.3%
2013/14	269	231	2.36	<b>36.28</b>	1,089	461	14	412	65.3%

## 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 2009	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
Fall 2010	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
Fall 2011	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
Fall 2012	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
Fall 2013	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
Spring 2010	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
Spring 2011	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
Spring 2012	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
Spring 2013	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
Spring 2014	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%

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.

## DE vs Non DE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	FaceToFace	71	61	1.21	<b>12.86</b>	386	318	7	126	56.6%
	Online	18	10	0.00	<b>1.40</b>	42	#INF	2	35	52.2%
	Total	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
Fall 2010	FaceToFace	97	91	1.21	<b>22.62</b>	679	559	6	96	101.6%
	Online	15	11	0.00	<b>2.75</b>	83	#INF	1	20	75.0%
	Total	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
Fall 2011	FaceToFace	77	63	1.21	<b>15.49</b>	465	383	8	119	64.7%
	Online	12	8	0.00	<b>1.60</b>	48	#INF	1	20	60.0%
	Total	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
Fall 2012	FaceToFace	113	107	1.21	<b>24.13</b>	724	597	7	114	99.6%
	Online	17	12	0.00	<b>2.27</b>	68	#INF	1	20	85.0%
	Total	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
Fall 2013	FaceToFace	77	69	1.21	<b>13.56</b>	407	335	6	112	68.8%
	Online	9	8	0.00	<b>0.90</b>	27	#INF	1	20	45.0%
	Total	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
Spring 2010	FaceToFace	123	91	1.13	<b>18.96</b>	569	505	5	148	83.4%
	Online	26	11	0.00	<b>3.64</b>	109	#INF	2	58	45.2%
	Total	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
Spring 2011	FaceToFace	134	103	1.15	<b>20.51</b>	615	537	6	150	89.3%
	Online	37	24	0.00	<b>5.18</b>	155	#INF	2	50	74.0%
	Total	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
Spring 2012	FaceToFace	145	124	1.13	<b>20.42</b>	613	544	7	157	92.4%
	Online	49	38	0.00	<b>4.90</b>	147	#INF	2	50	98.0%
	Total	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
Spring 2013	FaceToFace	114	106	1.15	<b>18.10</b>	543	474	6	157	72.6%
	Online	60	40	0.00	<b>8.00</b>	240	#INF	2	50	120.0%
	Total	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
Spring 2014	FaceToFace	116	102	1.15	<b>15.12</b>	454	396	5	170	68.2%
	Online	67	52	0.00	<b>6.70</b>	201	#INF	2	110	60.9%
	Total	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%

### Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	Non Basic Skills	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
	Total	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
Fall 2010	Non Basic Skills	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
	Total	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
Fall 2011	Non Basic Skills	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
	Total	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
Fall 2012	Non Basic Skills	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
	Total	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
Fall 2013	Non Basic Skills	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
	Total	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
Spring 2010	Non Basic Skills	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
	Total	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
Spring 2011	Non Basic Skills	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
	Total	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
Spring 2012	Non Basic Skills	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
	Total	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
Spring 2013	Non Basic Skills	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
	Total	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
Spring 2014	Non Basic Skills	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%
	Total	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%

**CTE vs NonCTE 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 2009	Non CTE	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
	Total	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
Fall 2010	Non CTE	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
	Total	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
Fall 2011	Non CTE	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
	Total	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
Fall 2012	Non CTE	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
	Total	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
Fall 2013	Non CTE	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
	Total	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
Spring 2010	Non CTE	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
	Total	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
Spring 2011	Non CTE	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
	Total	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
Spring 2012	Non CTE	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
	Total	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
Spring 2013	Non CTE	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
	Total	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
Spring 2014	Non CTE	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%
	Total	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%

### 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>
Fall 2009	Y	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
	Total	89	71	1.21	<b>14.26</b>	428	353	9	160	55.6%
Fall 2010	Y	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
	Total	112	102	1.21	<b>25.37</b>	761	627	7	116	97.0%
Fall 2011	Y	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
	Total	89	71	1.21	<b>17.09</b>	513	423	9	139	64.0%
Fall 2012	Y	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
	Total	130	119	1.21	<b>26.40</b>	792	653	8	134	97.4%
Fall 2013	Y	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
	Total	86	77	1.21	<b>14.46</b>	434	358	7	132	65.2%
Spring 2010	Y	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
	Total	149	102	1.13	<b>22.60</b>	678	602	7	205	72.7%
Spring 2011	Y	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
	Total	171	127	1.15	<b>25.69</b>	771	672	8	200	85.5%
Spring 2012	Y	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
	Total	194	162	1.13	<b>25.32</b>	760	674	9	207	93.7%
Spring 2013	Y	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
	Total	174	146	1.15	<b>26.10</b>	783	683	8	207	84.1%
Spring 2014	Y	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%
	Total	183	154	1.15	<b>21.82</b>	655	571	7	280	65.4%

## Productivity by Courses by Semesters

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
<b>Fall 2009</b>	ENGR	111	Surveying	9	9	0.36	0.00	0	0	1	24	38%
		210	Engineering Graphics	24	18	0.36	6.24	187	520	1	31	77%
		240	Engineering Dynamics	17	12	0.20	2.45	74	368	2	80	21%
		270	Materials Science	29	25	0.29	4.84	145	495	2	58	50%
		410	Computer-Aided Graphics	3	2	0.00	0.53	16	#INF	1	31	10%
		413	Designing with CAD	1	0	0.00	0.13	4	#INF	1	30	3%
		695	Independent Study	6	5	0.00	0.07	2	#INF	1	6	100%
		Total		89	71	1.21	14.26	428	353	9	260	34%
<b>Fall 2010</b>	ENGR	111	Surveying	12	12	0.36	3.00	90	250	1	24	50%
		210	Engineering Graphics	30	27	0.36	9.10	273	758	1	31	97%
		240	Engineering Dynamics	35	29	0.20	6.42	193	963	2	80	44%
		270	Materials Science	30	29	0.29	6.68	201	684	2	60	50%
		695	Independent Study	5	5	0.00	0.17	5	#INF	1	6	83%
		Total		112	102	1.21	25.37	761	627	7	201	56%
<b>Fall 2011</b>	ENGR	111	Surveying	15	14	0.36	3.80	114	317	1	24	63%
		210	Engineering Graphics	24	18	0.36	5.92	178	493	1	31	77%
		240	Engineering Dynamics	23	18	0.20	3.07	92	460	2	80	29%
		270	Materials Science	21	16	0.29	3.78	113	386	2	60	35%
		410	Computer-Aided Graphics	1	0	0.00	0.12	4	#INF	1	31	3%
		413	Designing with CAD	1	1	0.00	0.14	4	#INF	1	10	10%
		695	Independent Study	4	4	0.00	0.27	8	#INF	1	4	100%
		Total		89	71	1.21	17.09	513	423	9	240	37%
<b>Fall 2012</b>	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%
<b>Fall 2013</b>	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%

## Productivity by Courses by Semesters

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate		
		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%
<b>Spring 2010</b>	ENGR	100	Introduction to Engineering	29	18	0.27	6.38	191	700	1	30	97%
		215	Comput. Methods Engr/Scientist	7	7	0.29	1.17	35	119	1	30	23%
		230	Statics	39	25	0.20	5.63	169	844	2	80	49%
		260	Circuits And Devices	12	3	0.00	1.68	50	#INF	1	75	16%
			Circuits And Devices - Honors	31	25	0.20	4.34	130	651	1	75	41%
		261	Circuits & Devic. Lab. -Honors	31	24	0.16	3.41	102	639	1	30	103%
		Total			149	102	1.13	22.60	678	602	7	320
<b>Spring 2011</b>	ENGR	100	Introduction to Engineering	33	28	0.29	7.04	211	720	1	30	110%
		215	Comput. Methods Engr/Scientist	12	11	0.29	2.08	62	213	1	30	40%
		230	Statics	46	27	0.20	6.65	199	997	2	100	46%
		260	Circuits And Devices	22	15	0.00	3.08	92	#INF	1	50	44%
			Circuits And Devices - Honors	26	19	0.20	3.64	109	546	1	50	52%
		261	Circuits & Devic. Lab. -Honors	28	23	0.16	2.80	84	525	1	30	93%
		695	Independent Study	4	4	0.00	0.40	12	#INF	1	10	40%
	Total			171	127	1.15	25.69	771	672	8	300	57%
<b>Spring 2012</b>	ENGR	100	Introduction to Engineering	37	31	0.27	7.65	229	839	1	35	106%
		215	Comput. Methods Engr/Scientist	15	7	0.29	2.60	78	266	1	30	50%
		230	Statics	47	38	0.20	5.74	172	861	2	100	47%
		260	Circuits And Devices	28	23	0.00	2.80	84	#INF	1	50	56%
			Circuits And Devices - Honors	25	23	0.20	3.33	100	500	1	50	50%
		261	Circuits & Devic. Lab. -Honors	25	24	0.16	2.50	75	469	1	30	83%
		695	Independent Study	17	16	0.00	0.70	21	#INF	2	12	142%
	Total			194	162	1.13	25.32	760	674	9	307	63%
<b>Spring 2013</b>	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%

**Productivity by Courses by Semesters**

				<b>Census</b>	<b>End of Term</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max</b>	<b>Fill</b>
				<b>Headcount</b>	<b>Headcount</b>						<b>Enroll</b>	<b>Rate</b>
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%
<b>Total</b>				<b>174</b>	<b>146</b>	<b>1.15</b>	<b>26.10</b>	<b>783</b>	<b>683</b>	<b>8</b>	<b>307</b>	<b>57%</b>
<b>Spring 2014</b>	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%
	<b>Total</b>				<b>183</b>	<b>154</b>	<b>1.15</b>	<b>21.82</b>	<b>655</b>	<b>571</b>	<b>7</b>	<b>280</b>