



Success and Retention 2012/13 through 2016/17 Computer Information Systems (CIS)

Course Success and Retention Annually

	Enrollments	Success Count	Success Rate	Success Rate Goal	Success Rate Diff	Retention Count	Retention Rate	Retention Rate Goal	Retention Rate Diff
2012/2013	214	131	61.2%	70%	-8.8%	169	79.0%	84%	-5.0%
2013/2014	363	220	60.6%	70%	-9.4%	279	76.9%	84%	-7.1%
2014/2015	526	289	54.9%	70%	-15.1%	375	71.3%	84%	-12.7%
2015/2016	532	297	55.8%	70%	-14.2%	372	69.9%	84%	-14.1%
2016/2017	554	361	65.2%	70%	-4.8%	427	77.1%	84%	-6.9%

Course Success and Retention by Semester

	Headcount	Success Count	Success Rate	Retention Count	Retention Rate
Fall 2012	63	38	60.3%	46	73.0%
Fall 2013	136	87	64.0%	110	80.9%
Fall 2014	192	86	44.8%	135	70.3%
Fall 2015	196	114	58.2%	146	74.5%
Fall 2016	173	121	69.9%	143	82.7%
Spring 2013	87	57	65.5%	74	85.1%
Spring 2014	160	91	56.9%	118	73.8%
Spring 2015	178	105	59.0%	129	72.5%
Spring 2016	182	101	55.5%	125	68.7%
Spring 2017	227	147	64.8%	173	76.2%
Summer 2012	64	36	56.3%	49	76.6%
Summer 2013	67	42	62.7%	51	76.1%
Summer 2014	156	98	62.8%	111	71.2%
Summer 2015	154	82	53.2%	101	65.6%
Summer 2016	154	93	60.4%	111	72.1%

Course Success and Retention by Ethnicity

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Asian	24	15	62.5%	17	70.8%
	Black - Non-Hispanic	6	2	33.3%	2	33.3%
	Filipino	15	11	73.3%	12	80.0%
	Hispanic	57	35	61.4%	48	84.2%
	Multi Races	32	23	71.9%	26	81.3%
	Pacific Islander	2			2	100.0%
	White Non-Hispanic	66	41	62.1%	54	81.8%
	Unknown	12	4	33.3%	8	66.7%
	Totals and Averages	214	131	61.2%	169	79.0%
2013/2014	American Indian/Alaskan Native	1			1	100.0%
	Asian	57	32	56.1%	42	73.7%
	Black - Non-Hispanic	13	4	30.8%	10	76.9%
	Filipino	9	5	55.6%	5	55.6%
	Hispanic	79	52	65.8%	59	74.7%
	Multi Races	51	34	66.7%	42	82.4%
	Pacific Islander	4	1	25.0%	2	50.0%
	White Non-Hispanic	126	76	60.3%	101	80.2%
	Unknown	23	16	69.6%	17	73.9%
	Totals and Averages	363	220	60.6%	279	76.9%
2014/2015	American Indian/Alaskan Native	1			1	100.0%
	Asian	113	80	70.8%	91	80.5%
	Black - Non-Hispanic	8	3	37.5%	6	75.0%
	Filipino	16	4	25.0%	7	43.8%
	Hispanic	94	39	41.5%	68	72.3%
	Multi Races	77	37	48.1%	49	63.6%
	Pacific Islander	6	1	16.7%	2	33.3%
	White Non-Hispanic	188	112	59.6%	135	71.8%
	Unknown	23	13	56.5%	16	69.6%
	Totals and Averages	526	289	54.9%	375	71.3%
2015/2016	American Indian/Alaskan Native	1	1	100.0%	1	100.0%
	Asian	139	97	69.8%	118	84.9%
	Black - Non-Hispanic	10	4	40.0%	6	60.0%
	Filipino	23	14	60.9%	16	69.6%
	Hispanic	107	45	42.1%	65	60.7%

Course Success and Retention by Ethnicity

		Success		Retention		
		Headcount	Count	Success Rate	Count	Retention Rate
	Multi Races	88	35	39.8%	47	53.4%
	Pacific Islander	3			1	33.3%
	White Non-Hispanic	145	90	62.1%	106	73.1%
	Unknown	16	11	68.8%	12	75.0%
	Totals and Averages	532	297	55.8%	372	69.9%
2016/2017	Asian	164	129	78.7%	144	87.8%
	Black - Non-Hispanic	14	6	42.9%	10	71.4%
	Filipino	32	21	65.6%	26	81.3%
	Hispanic	101	49	48.5%	69	68.3%
	Multi Races	80	45	56.3%	54	67.5%
	White Non-Hispanic	140	98	70.0%	107	76.4%
	Unknown	23	13	56.5%	17	73.9%
	Totals and Averages	554	361	65.2%	427	77.1%

Course Success and Retention by Gender

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Female	57	30	52.6%	40	70.2%
	Male	152	98	64.5%	126	82.9%
	Unreported	5	3	60.0%	3	60.0%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Female	89	60	67.4%	67	75.3%
	Male	262	156	59.5%	206	78.6%
	Unreported	12	4	33.3%	6	50.0%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Female	131	84	64.1%	97	74.0%
	Male	376	196	52.1%	269	71.5%
	Unreported	19	9	47.4%	9	47.4%
	Totals & Averages	526	289	54.9%	375	71.3%
2015/2016	Female	152	91	59.9%	103	67.8%
	Male	365	195	53.4%	258	70.7%
	Unreported	15	11	73.3%	11	73.3%
	Totals & Averages	532	297	55.8%	372	69.9%
2016/2017	Female	154	114	74.0%	126	81.8%
	Male	387	239	61.8%	293	75.7%
	Unreported	13	8	61.5%	8	61.5%
	Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by Age

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Under 18	41	26	63.4%	35	85.4%
	Age 18-22	63	36	57.1%	49	77.8%
	Age 23-28	42	28	66.7%	33	78.6%
	Age 29-39	38	24	63.2%	31	81.6%
	Age 40-49	21	12	57.1%	16	76.2%
	Age 50-59	8	4	50.0%	4	50.0%
	Age 60+	1	1	100.0%	1	100.0%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Under 18	46	44	95.7%	46	100.0%
	Age 18-22	142	85	59.9%	111	78.2%
	Age 23-28	82	48	58.5%	61	74.4%
	Age 29-39	57	27	47.4%	34	59.6%
	Age 40-49	24	12	50.0%	17	70.8%
	Age 50-59	7	2	28.6%	6	85.7%
	Age 60+	5	2	40.0%	4	80.0%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Under 18	58	48	82.8%	51	87.9%
	Age 18-22	234	130	55.6%	164	70.1%
	Age 23-28	123	63	51.2%	92	74.8%
	Age 29-39	72	26	36.1%	41	56.9%
	Age 40-49	24	16	66.7%	19	79.2%
	Age 50-59	15	6	40.0%	8	53.3%
	Totals & Averages	526	289	54.9%	375	71.3%
	2015/2016	Under 18	61	42	68.9%	52
Age 18-22		256	154	60.2%	188	73.4%
Age 23-28		130	57	43.8%	79	60.8%
Age 29-39		49	30	61.2%	34	69.4%
Age 40-49		25	11	44.0%	14	56.0%
Age 50-59		7	3	42.9%	4	57.1%
Age 60+		4			1	25.0%
Totals & Averages		532	297	55.8%	372	69.9%
2016/2017	Under 18	80	58	72.5%	64	80.0%
	Age 18-22	267	183	68.5%	214	80.1%

Course Success and Retention by Age

	Headcount	Success Count	Success Rate	Retention Count	Retention Rate
Age 23-28	128	75	58.6%	97	75.8%
Age 29-39	57	38	66.7%	43	75.4%
Age 40-49	15	5	33.3%	5	33.3%
Age 50-59	6	2	33.3%	4	66.7%
Age 60+	1				
Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by Enrollment Status

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Continuing Student	116	74	63.8%	95	81.9%
	Currently K-12	38	23	60.5%	33	86.8%
	Middle College	4	2	50.0%	3	75.0%
	First-Time Student	9	6	66.7%	7	77.8%
	First-Time Transfer Student	18	11	61.1%	14	77.8%
	Returning Student	21	11	52.4%	12	57.1%
	Returning Transfer Student	8	4	50.0%	5	62.5%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Continuing Student	206	120	58.3%	145	70.4%
	Currently K-12	51	45	88.2%	47	92.2%
	Middle College	7	7	100.0%	7	100.0%
	First-Time Student	13	6	46.2%	13	100.0%
	First-Time Transfer Student	31	17	54.8%	26	83.9%
	Returning Student	21	10	47.6%	17	81.0%
	Returning Transfer Student	34	15	44.1%	24	70.6%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Continuing Student	310	154	49.7%	207	66.8%
	Currently K-12	49	40	81.6%	43	87.8%
	Middle College	11	9	81.8%	10	90.9%
	First-Time Student	25	16	64.0%	23	92.0%
	First-Time Transfer Student	49	33	67.3%	37	75.5%
	Returning Student	37	18	48.6%	25	67.6%
	Returning Transfer Student	45	19	42.2%	30	66.7%

Course Success and Retention by Enrollment Status

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
Totals & Averages		526	289	54.9%	375	71.3%
2015/2016	Continuing Student	305	166	54.4%	203	66.6%
	Currently K-12	43	31	72.1%	37	86.0%
	Middle College	14	9	64.3%	12	85.7%
	First-Time Student	37	21	56.8%	29	78.4%
	First-Time Transfer Student	67	38	56.7%	49	73.1%
	Returning Student	28	12	42.9%	16	57.1%
	Returning Transfer Student	38	20	52.6%	26	68.4%
	Totals & Averages	532	297	55.8%	372	69.9%
2016/2017	Continuing Student	349	228	65.3%	269	77.1%
	Currently K-12	63	44	69.8%	47	74.6%
	Middle College	14	13	92.9%	13	92.9%
	First-Time Student	21	15	71.4%	20	95.2%
	First-Time Transfer Student	50	34	68.0%	41	82.0%
	Returning Student	29	14	48.3%	20	69.0%
	Returning Transfer Student	28	13	46.4%	17	60.7%
	Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by DE vs Non DE

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Hybrid	24	15	62.5%	20	83.3%
	Not Online	159	98	61.6%	125	78.6%
	Online	31	18	58.1%	24	77.4%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Not Online	221	130	58.8%	170	76.9%
	Online	123	71	57.7%	90	73.2%
	Web Assisted	19	19	100.0%	19	100.0%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Not Online	307	157	51.1%	221	72.0%
	Online	219	132	60.3%	154	70.3%

Course Success and Retention by DE vs Non DE

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2015/2016	Totals & Averages	526	289	54.9%	375	71.3%
	Not Online	329	195	59.3%	244	74.2%
	Online	203	102	50.2%	128	63.1%
2016/2017	Totals & Averages	532	297	55.8%	372	69.9%
	Not Online	305	211	69.2%	250	82.0%
	Online	249	150	60.2%	177	71.1%
	Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by CTE vs Non CTE

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	CTE	124	74	59.7%	98	79.0%
	Not CTE	90	57	63.3%	71	78.9%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	CTE	294	188	63.9%	230	78.2%
	Not CTE	69	32	46.4%	49	71.0%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	CTE	465	266	57.2%	337	72.5%
	Not CTE	61	23	37.7%	38	62.3%
	Totals & Averages	526	289	54.9%	375	71.3%
2015/2016	CTE	492	273	55.5%	341	69.3%
	Not CTE	40	24	60.0%	31	77.5%
	Totals & Averages	532	297	55.8%	372	69.9%
2016/2017	CTE	508	329	64.8%	391	77.0%
	Not CTE	46	32	69.6%	36	78.3%
	Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by Basic Skills vs Non Basic Skills

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Non Basic Skills	214	131	61.2%	169	79.0%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Non Basic Skills	363	220	60.6%	279	76.9%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Non Basic Skills	526	289	54.9%	375	71.3%
	Totals & Averages	526	289	54.9%	375	71.3%
2015/2016	Non Basic Skills	532	297	55.8%	372	69.9%
	Totals & Averages	532	297	55.8%	372	69.9%
2016/2017	Non Basic Skills	554	361	65.2%	427	77.1%
	Totals & Averages	554	361	65.2%	427	77.1%

Course Success and Retention by Prior to College Level

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Not applicable	214	131	61.2%	169	79.0%
2013/2014	Not applicable	363	220	60.6%	279	76.9%
2014/2015	Not applicable	526	289	54.9%	375	71.3%
2015/2016	Not applicable	532	297	55.8%	372	69.9%
2016/2017	Not applicable	554	361	65.2%	427	77.1%

Course Success and Retention by Transfer vs Non Transfer

		Headcount	Success Count	Success Rate	Retention Count	Retention Rate
2012/2013	Transferable	214	131	61.2%	169	79.0%
	Totals & Averages	214	131	61.2%	169	79.0%
2013/2014	Transferable	363	220	60.6%	279	76.9%
	Totals & Averages	363	220	60.6%	279	76.9%
2014/2015	Transferable	526	289	54.9%	375	71.3%
	Totals & Averages	526	289	54.9%	375	71.3%
2015/2016	Transferable	532	297	55.8%	372	69.9%
	Totals & Averages	532	297	55.8%	372	69.9%
2016/2017	Transferable	554	361	65.2%	427	77.1%
	Totals & Averages	554	361	65.2%	427	77.1%

Grade Distribution

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>F</u>	<u>Other</u>	<u>W</u>
Fall 2012	16	9	13	5	3		17
Fall 2013	31	24	31	6	15	3	26
Fall 2014	48	18	16	5	43	5	57
Fall 2015	74	22	18	1	31		50
Fall 2016	68	33	20	3	18	1	30
Spring 2013	33	6	9		14	12	13
Spring 2014	53	16	18		27	4	42
Spring 2015	64	19	22	2	22		49
Spring 2016	58	28	15	5	17	2	57
Spring 2017	85	39	22	2	20	5	54
Summer 2012	13	9	5	1	9	12	15
Summer 2013	24	10	7		8	2	16
Summer 2014	54	29	14		13	1	45
Summer 2015	54	16	11	7	12	1	53
Summer 2016	65	17	9	2	16	2	43

Course Success and Retention by Courses

				Headcount	Success	Success Rate	Retention	Retention Rate
Fall 2012	CIS	118	Intro to Object-Oriented Prgm	46	26	56.5%	34	73.9%
		321	iOS Programming	17	12	70.6%	12	70.6%
Fall 2013	CIS	118	Intro. to Computer Science	82	58	70.7%	73	89.0%
		250	Intro to Obj Ori Program.: C++	36	22	61.1%	24	66.7%
		321	iOS Programming	18	7	38.9%	13	72.2%
Fall 2014	CIS	118	Intro. to Computer Science	61	24	39.3%	42	68.9%
		242	Comp. Arch. & Assembly Lang.	19	6	31.6%	13	68.4%
		250	Intro to Obj Ori Program.: C++	54	31	57.4%	39	72.2%
		252	Intro to Data Struct.: C++	24	10	41.7%	20	83.3%
		284	Intro to Obj Orien Prog - Java	14	7	50.0%	8	57.1%
		321	iOS Programming	20	8	40.0%	13	65.0%
Fall 2015	CIS	118	Intro. to Computer Science	70	36	51.4%	51	72.9%
		242	Comp. Arch. & Assembly Lang.	21	15	71.4%	18	85.7%
		250	Intro to Obj Ori Program.: C++	42	23	54.8%	28	66.7%
		252	Intro to Data Struct.: C++	24	17	70.8%	20	83.3%
		284	Intro to Obj Orien Prog - Java	20	14	70.0%	16	80.0%
		321	iOS Programming	19	9	47.4%	13	68.4%
Fall 2016	CIS	118	Intro. to Computer Science	68	40	58.8%	55	80.9%
		242	Comp. Arch. & Assembly Lang.	30	25	83.3%	26	86.7%
		250	Intro to Obj Ori Program.: C++	44	30	68.2%	33	75.0%
		252	Intro to Data Struct.: C++	19	17	89.5%	18	94.7%
		284	Intro to Obj Orien Prog - Java	12	9	75.0%	11	91.7%
Spring 2013	CIS	118	Intro to Object-Oriented Prgm	19	12	63.2%	17	89.5%
		250	Programming Methods I: C++	13	9	69.2%	12	92.3%
		251	Open Computer Lab I: C++	13	9	69.2%	12	92.3%
		321	iOS Programming	28	14	50.0%	20	71.4%
		680CE	iOS Programming Laboratory	14	13	92.9%	13	92.9%
Spring 2014	CIS	118	Intro. to Computer Science	67	43	64.2%	51	76.1%
		242	Comp. Arch. & Assembly Lang.	13	3	23.1%	7	53.8%
		250	Intro to Obj Ori Program.: C++	49	28	57.1%	36	73.5%
		321	iOS Programming	24	10	41.7%	17	70.8%
		695	Independent Study	7	7	100.0%	7	100.0%

Course Success and Retention by Courses

				Headcount	Success	Success Rate	Retention	Retention Rate
Spring 2015	CIS	118	Intro. to Computer Science	65	38	58.5%	49	75.4%
		250	Intro to Obj Ori Program.: C++	48	31	64.6%	37	77.1%
		252	Intro to Data Structures - C++	23	15	65.2%	15	65.2%
		262	Discrete Math. for Comp Scienc	11	8	72.7%	10	90.9%
		284	Intro to Obj Orien Prog - Java	9	4	44.4%	6	66.7%
		321	iOS Programming	16	3	18.8%	6	37.5%
		695	Independent Study	6	6	100.0%	6	100.0%
Spring 2016	CIS	118	Intro. to Computer Science	72	33	45.8%	45	62.5%
		250	Intro Obj Ori Prog:C++ HONORS	1	1	100.0%	1	100.0%
			Intro to Obj Ori Program.: C++	57	36	63.2%	42	73.7%
		252	Intro to Data Structures - C++	19	11	57.9%	11	57.9%
		262	Discrete Math. for Comp Scienc	15	12	80.0%	14	93.3%
		284	Intro to Obj Orien Prog - Java	18	8	44.4%	12	66.7%
Spring 2017	CIS	118	Intro. to Computer Science	53	29	54.7%	37	69.8%
		250	Intro to Obj Ori Program.: C++	75	48	64.0%	53	70.7%
		252	Intro to Data Structures - C++	28	21	75.0%	24	85.7%
		262	Discrete Math. for Comp Scienc	26	22	84.6%	24	92.3%
		284	Intro to Obj Orien Prog - Java	29	20	69.0%	25	86.2%
		321	iOS Programming	16	7	43.8%	10	62.5%
Summer 2012	CIS	118	Intro to Object-Oriented Prgm	15	9	60.0%	11	73.3%
		119	Open Computer Lab I	18	9	50.0%	12	66.7%
		680CC	World Building with Alice	31	18	58.1%	26	83.9%
Summer 2013	CIS	118	Intro to Object-Oriented Prgm	60	37	61.7%	46	76.7%
		680CC	World Building with Alice	7	5	71.4%	5	71.4%
Summer 2014	CIS	118	Intro. to Computer Science	86	59	68.6%	63	73.3%
		250	Intro to Obj Ori Program.: C++	70	39	55.7%	48	68.6%
Summer 2015	CIS	118	Intro. to Computer Science	71	39	54.9%	46	64.8%
		250	Intro to Obj Ori Program.: C++	83	43	51.8%	55	66.3%
Summer 2016	CIS	118	Intro. to Computer Science	80	47	58.8%	59	73.8%
		250	Intro to Obj Ori Program.: C++	60	36	60.0%	40	66.7%
		284	Intro to Obj Orien Prog - Java	14	10	71.4%	12	85.7%