



TRENDS IN TRANSFER STUDENTS
AT MARYLAND PUBLIC HIGHER EDUCATION INSTITUTIONS
1993 to 2002

January, 2004

MARYLAND HIGHER EDUCATION COMMISSION

John J. Oliver, Jr., Chairman

Donald J. Slowinski, Sr., Vice Chairman

Joann A. Boughman

Aja Campbell

Edward O. Clarke, Jr.

Anne Osborn Emery

Iлона Modly Hogan

George S. Malouf, Jr.

Emmett Paige, Jr.

Hoke L. Smith

Richard P. Streett, Jr.

Mario VillaSanta

Calvin W. Burnett
Acting Secretary of Higher Education

Introduction

This report summarizes the trends in transfer students at Maryland public higher education institutions during the past 10 years, 1993 to 2002. Specifically, the figures include the number of students enrolled at a community college in the fall of each year who transferred to a public four-year institution by the fall of the following year. In other words, the report looks at the number of **new** transfer students each year rather than the cumulative number of transfers enrolled at public four-year campuses. Transfer trends are examined statewide, by campus, and by program. The report also analyzes so-called “reverse transfers” – students who return to a community college after having attended a four-year institution.

The data used in this report were obtained from the Maryland Higher Education Commission Enrollment Information System. The Commission collects enrollment data on all students using an encrypted social security number as a personal identifier. The figures in this report were derived by matching the data from a specific fall semester with the data from the following fall semester using the personal identifier. The Commission cannot track transfer students to Maryland independent colleges and universities or to out-of-state campuses.

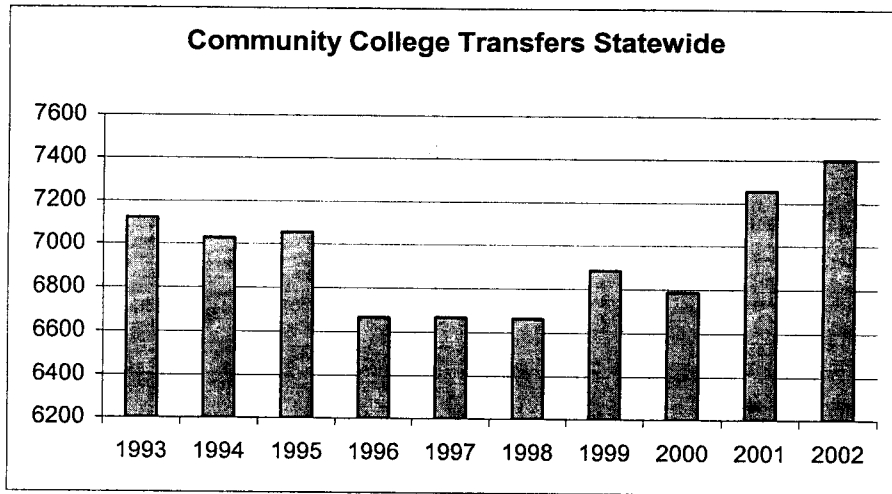
The first section of this report looks at the trends in the number of community college students who transfer to a Maryland public four-year institution statewide by race and by full- and part-time status. The second section looks at community college transfers by campus, the number of community college transfer students who had been enrolled in a transfer program course of study at a two-year institution, and the number of these who transferred to a public four-year institution and entered the same program of study. The third section of the report looks at reverse transfers.

Report prepared by: Janis Battaglini

Trends in Community College Transfers Statewide

All Undergraduates

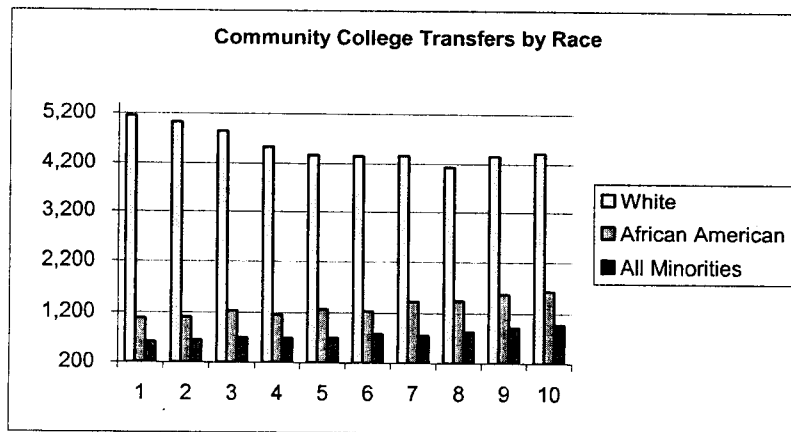
The number of community college students statewide who transferred to a public four-year institution has steadily climbed during the past three years to an **all time high** of 7,401 in 2002. This reversed a trend earlier in the decade in which the number of transfer students fell from 7,122 in 1993 to 6,663 in 1998. For the entire 10-year period, the number of transfer students increased 4 percent.



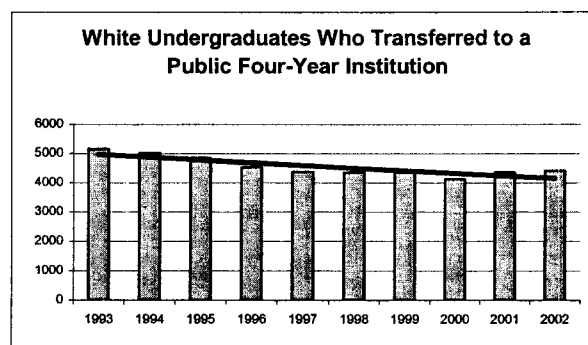
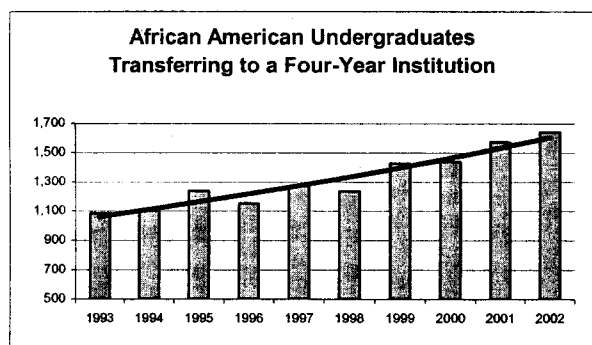
Minority Students

The number of community college students transferring to a public four-year institution has increased at a faster rate for minority students than it has for all students. Minority undergraduates transferring to a four-year public institution has increased by 51.5 percent over the past ten years compared to the 4 percent increase for all students.

Minority is defined in this report as constituting African Americans, Asian Americans and Hispanics. Native Americans have been historically combined with foreign and "other race" students in the transfer report and could not be easily separated.

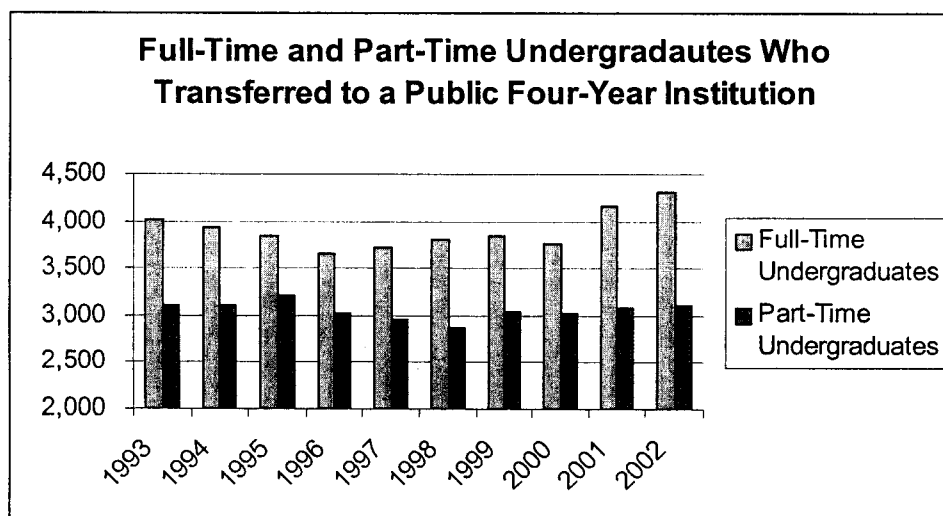


African American community college undergraduates who transferred to a public four-year institution have increased by 51 percent over the past ten years. The number of African American community college transfer students in 2002 (1,625) was the **greatest since the Commission began collecting these statistics**. In sharp contrast, white student transfer rates decreased by 14 percent since 1993. Hence, African American students represent all of the growth in community college transfers during the past 10 years in Maryland. The drop in the transfers of white students is due largely to patterns at four community colleges: Baltimore City Community College, Community College of Baltimore County, Montgomery College, and Prince George's Community College.



Full-Time versus Part-Time Undergraduates

During the past three years, the number of full-time undergraduates transferring to a four-year public institution has increased from 3,767 to 4,308—the **highest in the State's history**. During the 10-year period, the number of full-time transfer students rose by 7.4 percent. The State has experienced little change in the number of part-time undergraduates transferring to a public four-year institution.



Trends in Community College Transfers by Campus

The number of community college students, by campus, who transferred to any Maryland public four-year campus was examined. There are separate breakdowns for all undergraduates and African Americans. The number of transfer students increased at 10 of the 15 community colleges in existence during the past 10 years.

All Undergraduates Who Transferred to a Public Four-Year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	150	138	140	141	122	135	140	118	126	129	-14%
Anne Arundel	907	936	873	797	762	884	796	855	905	967	7%
Carroll	--	161	161	154	166	160	184	197	184	164	--
Baltimore City CC	324	329	334	253	305	266	249	209	258	286	-12%
CCBC	1,669	1,439	1,404	1,386	1,293	1,141	1,195	1,155	1,104	1,132	-32%
Cecil	47	47	54	49	44	56	74	68	78	90	91%
Chesapeake	97	93	99	134	130	111	148	150	143	147	52%
CSM	388	413	448	410	453	447	476	473	550	559	44%
Frederick	176	180	215	224	208	207	244	234	248	240	36%
Garrett	39	46	38	40	36	41	37	46	42	56	44%
Hagerstown	127	138	113	104	105	133	117	101	111	101	-20%
Harford	286	274	311	250	279	272	281	269	308	331	16%
Howard	365	358	406	358	380	393	386	416	465	487	33%
Montgomery	1,510	1,497	1,516	1,470	1,440	1,466	1,549	1,529	1,705	1,748	16%
Prince George's	906	846	810	768	796	784	855	836	820	751	-17%
Wor-Wic	131	134	133	128	148	167	152	130	210	213	63%
TOTAL	7,122	7,029	7,055	6,666	6,667	6,663	6,884	6,786	7,257	7,401	4%

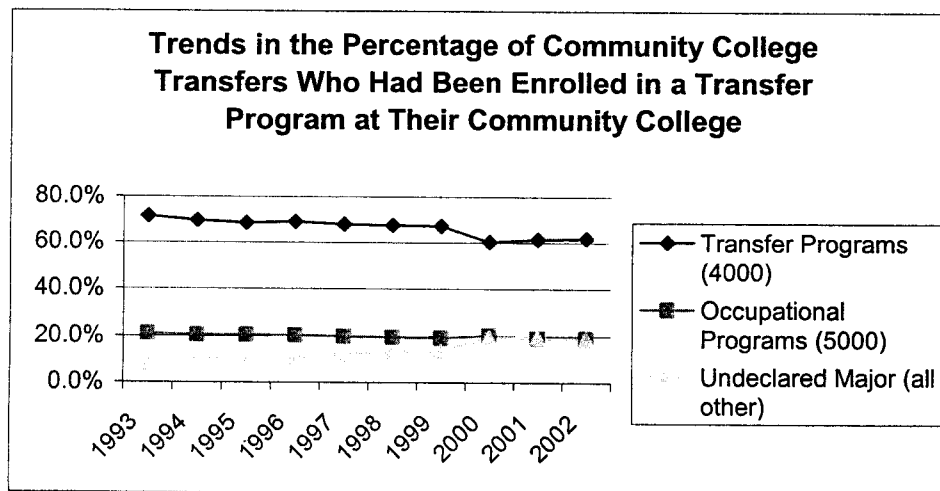
African American Undergraduates Who Transferred to a Public Four-Year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	*	*	*	*	*	*	*	*	*	*	*
Anne Arundel	39	55	53	56	69	63	61	56	57	77	97.4%
Carroll	*	*	*	*	*	*	*	*	*	*	*
Baltimore City CC	242	245	263	193	240	213	198	158	209	234	-3.3%
CCBC	176	155	179	204	193	160	211	228	210	274	55.7%
Cecil	*	*	*	*	*	*	*	*	*	*	*
Chesapeake	*	*	6	*	12	10	18	15	11	17	*
CSM	24	28	28	23	24	32	32	42	37	61	154.2%
Frederick	12	9	8	7	6	7	7	13	15	6	-50.0%
Garrett	*	*	*	*	*	*	*	*	*	*	*
Hagerstown	12	*	*	*	*	*	*	*	8	*	*
Harford	18	10	16	15	12	15	16	10	24	20	11.1%
Howard	39	30	39	39	36	47	39	41	49	49	25.6%
Montgomery	155	167	219	213	248	212	287	306	342	347	123.9%
Prince George's	343	373	396	376	412	445	527	542	571	504	46.9%
Wor-Wic	15	16	21	14	15	23	19	15	29	36	140.0%
Total	1,075	1,088	1,228	1,140	1,267	1,227	1,415	1,426	1,562	1,625	51.2%

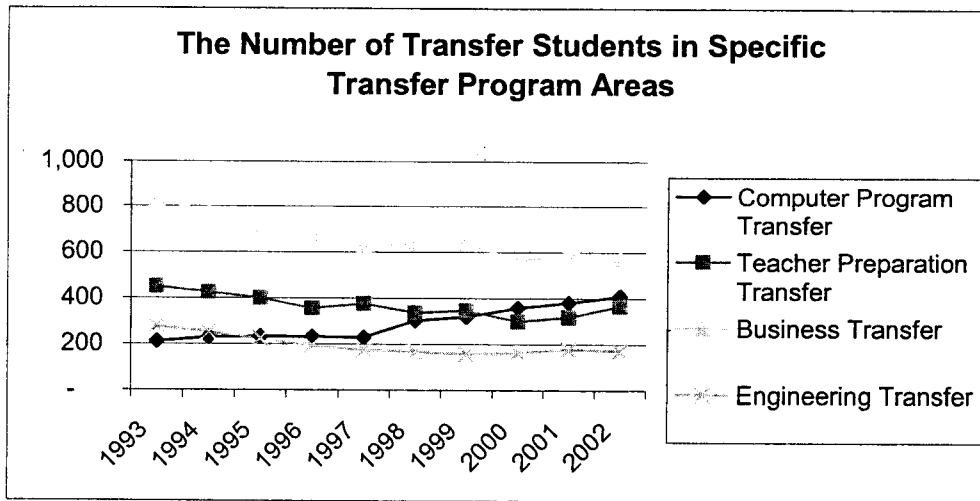
*N is 5 or less

Trends in Community College Transfers by Program

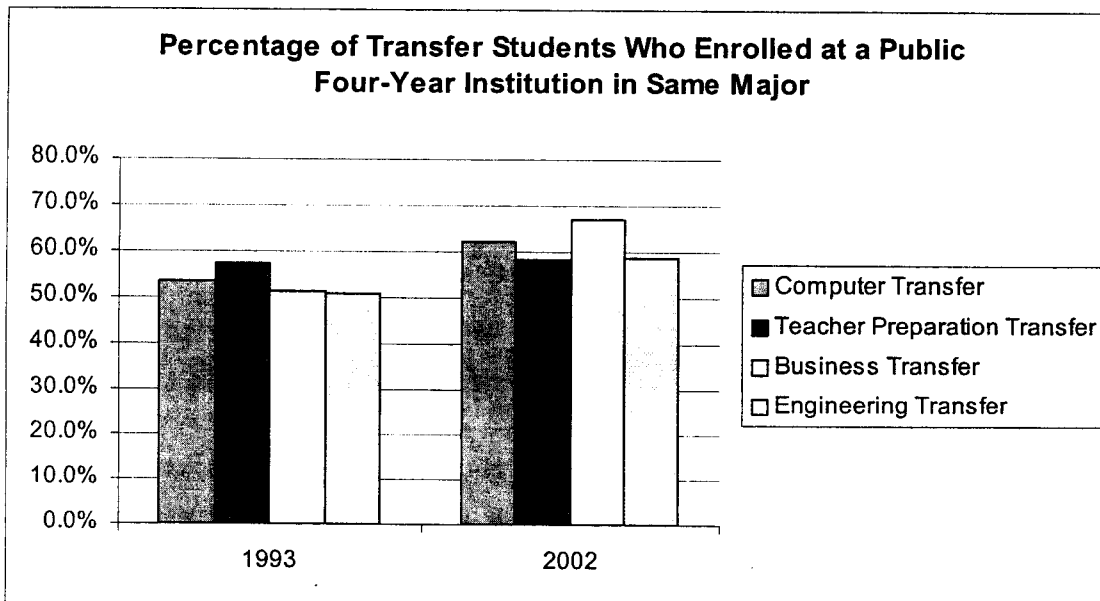
The following graph examines trends in the number of community college transfer students who had been enrolled in a transfer program course of study at a two-year institution. Transfer program students have represented a slightly increasing number and proportion of all transfers during the past three years but the figures remain substantially below the levels achieved between 1993 and 1999. This has been due to the increasing number and proportion of transfer students who did not declare a major while attending a community college. There has been little change in the transfer patterns of students enrolled in occupational programs.



The following graph displays the number of community college transfer students who had majored in specific transfer program in fields that are highly demanded by employers: computer science, teacher education, business administration, and engineering. While there were increases in number of students in these transfer programs who enrolled at a public four-year college or university during the past three years, only one (computer science) experienced growth during the 10 year period. The number of computer science transfer program students who transferred to a public four-year campus has nearly doubled since 1993, while the other three programs had double digit declines.



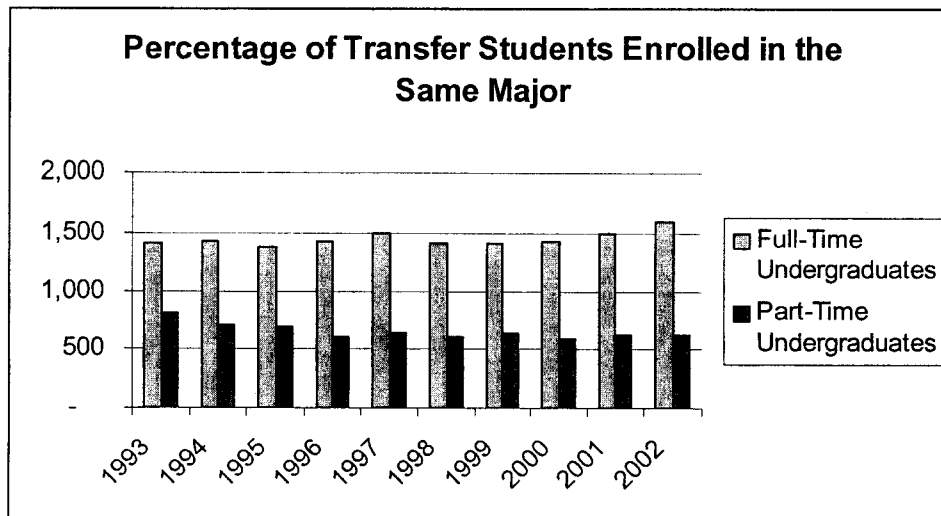
The following graph examines the percentage of the transfer program students in each of the four disciplines who enrolled in the corresponding program at the public four-year campus to which they transferred. For example, the table looks at the proportion of computer science transfer program students who chose a computer science major at their public four-year campus.



In most of the years, a majority of the transfer program students in each of the four fields continued their same course of study after enrolling at a public four-year campus. In addition, while the figures have fluctuated over the 10-year period for all of the academic fields, the proportion of students in each of the four transfer programs who majored in their corresponding academic area at their public four-year institution was greater in 2002 than in 1993. The percentage of transfer program students in business administration and computer science who majored in business administration and computer science respectively at their four year institution was higher in 2002 than in all of the previous years between 1993 and 2001. However, the 2002 statistic for engineering transfer students had been exceeded in six of the previous nine years. The smallest 10-year increase occurred in teacher education programs. However, in interpreting this statistic, one must keep in mind that most secondary school students at Maryland campuses in recent years have majored in a substantive field rather than education as a result of the Redesign of Teacher Education.

Reverse Transfers

There is a growing interest in the number of students who transfer from a four-year institution to a community college. It is believed that this phenomenon may reflect a desire by students to gain skills directly related to specific workforce area. An analysis on a statewide basis was performed to determine the extent to which these “reverse transfer” undergraduates exist in Maryland. A breakdown for full-time undergraduates and part-time undergraduates appear in the following graph. More than 2,000 Maryland students have transferred from a four- to a two-year public institution in each of the past 10 years, with the 2002 statistic being the highest during this period. Since 1994, more than two-thirds of these students enrolled full-time at the community college to which they transferred.



Appendix - Table 1

All Undergraduates Who Transferred to a Maryland Public Four-Year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	150	138	140	141	122	135	140	118	126	129	-14.0%
Anne Arundel	907	936	873	797	762	884	796	855	905	967	6.6%
Carroll	*	161	161	154	166	160	184	197	184	164	*
Baltimore City CC	324	329	334	253	305	266	249	209	258	286	-11.7%
CCBC	1,669	1,439	1,404	1,386	1,293	1,141	1,195	1,155	1,104	1,132	-32.2%
Cecil	47	47	54	49	44	56	74	68	78	90	91.5%
Chesapeake	97	93	99	134	130	111	148	150	143	147	51.5%
CSM	388	413	448	410	453	447	476	473	550	559	44.1%
Frederick	176	180	215	224	208	207	244	234	248	240	36.4%
Garrett	39	46	38	40	36	41	37	46	42	56	43.6%
Hagerstown	127	138	113	104	105	133	117	101	111	101	-20.5%
Harford	286	274	311	250	279	272	281	269	308	331	15.7%
Howard	365	358	406	358	380	393	386	416	465	487	33.4%
Montgomery	1,510	1,497	1,516	1,470	1,440	1,466	1,549	1,529	1,705	1,748	15.8%
Prince George's	906	846	810	768	796	784	856	836	820	751	-17.1%
Wor-Wic	131	134	133	128	148	167	152	130	210	213	62.6%
TOTAL	7,122	7,029	7,055	6,666	6,667	6,663	6,884	6,786	7,257	7,401	3.9%

Source: Maryland Higher Education Commission Enrollment Information System

Appendix - Table 2

All African-American Undergraduates Who Transferred to a Maryland Public Four-year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	*	*	*	*	*	*	*	*	*	*	*
Anne Arundel	39	55	53	56	69	63	61	56	57	77	97.4%
Carroll	*	*	*	*	*	*	*	*	*	*	*
Baltimore City CC	242	245	263	193	240	213	198	158	209	234	-3.3%
CCBC	176	155	179	204	193	160	211	228	210	274	55.7%
Cecil	*	*	*	*	*	*	*	*	*	*	*
Chesapeake	*	*	*	*	*	*	*	*	*	*	*
CSM	24	28	28	23	24	32	32	42	37	61	154.2%
Frederick	12	9	8	7	6	7	7	13	15	6	-50.0%
Garrett	*	*	*	*	*	*	*	*	*	*	*
Hagerstown	12	*	*	*	*	*	*	*	8	*	*
Harford	18	10	16	15	12	15	16	10	24	20	11.1%
Howard	39	30	39	39	36	47	39	41	49	49	25.6%
Montgomery	155	167	219	213	248	212	287	306	342	347	123.9%
Prince George's	343	373	396	376	412	445	527	542	571	504	46.9%
Wor-Wic	15	16	21	14	15	23	19	15	29	36	140.0%
Total	1,075	1,088	1,222	1,140	1,255	1,217	1,397	1,411	1,551	1,608	49.6%

*N is less than 5

Source: Maryland Higher Education Commission Enrollment Information System

Appendix - Table 3
White Undergraduates who Transferred to a Maryland Public Four-year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	146	133	132	133	118	130	136	115	114	120	-17.8%
Anne Arundel	814	818	763	682	645	754	670	717	749	761	-6.5%
Carroll	0	151	149	146	158	147	175	188	174	151	*
Baltimore City CC	45	56	47	35	40	36	31	23	17	20	-55.6%
CCBC	1319	1158	1075	1018	940	849	802	695	684	690	-47.7%
Cecil	43	43	49	45	43	50	72	63	75	82	90.7%
Chesapeake	91	85	92	129	117	98	126	131	125	127	39.6%
CSM	343	365	398	358	393	383	401	396	468	441	28.6%
Frederick	158	161	195	203	191	190	225	208	203	219	38.6%
Garrett	39	45	36	40	36	41	36	46	42	50	28.2%
Hagerstown	111	126	106	98	96	123	105	94	95	96	-13.5%
Harford	259	248	281	222	249	245	256	241	254	286	10.4%
Howard	281	279	301	265	263	265	273	263	303	302	7.5%
Montgomery	935	881	808	774	702	695	721	690	748	773	-17.3%
Prince George's	457	365	307	278	255	204	210	152	141	134	-70.7%
Wor-Wic	113	112	108	110	122	140	126	108	166	168	48.7%
TOTAL	5154	5026	4847	4536	4368	4350	4365	4130	4358	4420	-14.2%

Source: Maryland Higher Education Commission Enrollment Information System

Appendix - Table 4
Asian American Undergraduates who Transferred to a Maryland Public Four*year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	*	*	*	*	*	*	*	*	*	*	*
Anne Arundel	28	29	34	30	26	41	30	36	37	48	71.4%
Carroll	*	*	6	*	*	*	*	*	*	*	*
Baltimore City CC	13	9	5	9	5	2	3	3	4	8	-38.5%
CCBC	81	68	80	82	76	68	81	78	87	80	-1.2%
Cecil	*	*	*	*	*	*	*	*	*	*	*
Chesapeake	*	*	*	*	*	*	*	*	*	*	*
CSM	8	12	11	10	15	10	16	11	17	22	175.0%
Frederick	5	5	6	9	5	6	7	4	9	9	80.0%
Garrett	*	*	*	*	*	*	*	*	*	*	*
Hagerstown	*	6	*	*	*	*	*	*	*	*	*
Harford	7	9	*	7	6	*	*	8	11	9	28.6%
Howard	25	29	42	24	39	35	35	57	58	71	184.0%
Montgomery	244	265	282	260	284	337	295	316	334	362	48.4%
Prince George's	77	83	69	85	87	90	83	96	67	75	-2.6%
Wor-Wic	*	*	*	*	*	*	*	*	6	6	*
Total	488	515	535	516	543	589	550	609	630	690	41.4%

*N is less than 5

Source: Maryland Higher Education Commission Enrollment Information System

**Appendix - Table 5
Hispanic Undergraduates who Transferred to a Maryland Public Four-year Institution**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	*	*	*	*	*	*	*	*	*	*	*
Anne Arundel	11	24	12	14	15	9	19	15	15	26	136.4%
Carroll	*	*	*	*	*	*	*	*	*	*	*
Baltimore City CC	*	*	*	*	*	*	*	*	*	*	*
CCBC	17	10	17	27	16	16	22	25	19	13	-23.5%
Cecil	*	*	*	*	*	*	*	*	*	*	*
Chesapeake	*	*	*	*	*	*	*	*	*	*	*
CSM	*	*	6	6	6	6	15	7	12	16	*
Frederick	*	*	*	*	*	*	*	*	7	6	*
Garrett	*	*	*	*	*	*	*	*	*	*	*
Hagerstown	*	*	*	*	*	*	*	*	*	*	*
Harford	*	*	*	*	*	*	*	*	13	9	*
Howard	7	8	11	5	11	14	8	8	7	14	100.0%
Montgomery	68	65	74	92	68	89	98	123	160	162	138.2%
Prince George's	18	15	27	18	25	30	24	26	32	26	44.4%
Wor-Wic	*	*	*	*	*	*	*	*	*	*	*
Total	121	122	147	162	141	164	186	204	265	272	124.8%

*N is less than 5
Source: Maryland Higher Education Commission Enrollment Information System

Appendix - Table 6

All Full-Time Undergraduates who Transferred to a Maryland Public Four-year Institution

FT Undergrads

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Allegany	124	101	91	96	81	99	97	80	87	85	-31.5%
Anne Arundel	575	538	493	454	446	537	481	500	540	598	4.0%
Carroll	*	108	103	93	105	98	123	119	135	124	*
Baltimore City CC	156	176	166	124	157	124	117	103	125	150	-3.8%
CCBC	928	819	763	799	724	624	685	654	620	628	-32.3%
Cecil	33	27	32	27	24	28	41	33	39	50	51.5%
Chesapeake	51	54	58	60	66	65	68	71	66	83	62.7%
CSM	222	237	240	222	259	246	248	241	305	313	41.0%
Frederick	102	94	128	128	118	109	140	141	153	157	53.9%
Garrett	32	31	29	26	29	29	27	30	31	37	15.6%
Hagerstown	79	80	78	62	67	84	69	57	82	54	-31.6%
Harford	159	160	189	137	156	169	200	164	184	225	41.5%
Howard	202	203	222	205	210	232	230	236	294	291	44.1%
Montgomery	861	835	824	809	811	843	881	892	1021	1039	20.7%
Prince George's	440	403	378	363	401	421	368	378	376	356	-19.1%
Wor-Wic	48	56	57	43	63	89	76	68	110	118	145.8%
TOTAL	4012	3922	3851	3648	3717	3797	3851	3767	4168	4308	7.4%

Source: Maryland Higher Education Commission Enrollment Information System

**Appendix - Table 7
All Part-Time Undergraduates who Transferred to a Maryland Public Four-year Institution**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 % Change	
Allegany	26	37	49	45	41	36	43	38	39	44	69.2%
Anne Arundel	332	398	380	343	316	347	315	355	365	369	11.1%
Carroll	*	53	58	61	61	62	61	78	49	40	*
Baltimore City CC	168	153	168	129	148	142	132	106	133	136	-19.0%
CCBC	741	620	641	587	569	517	510	501	484	504	-32.0%
Cecil	14	20	22	22	20	28	33	35	39	40	185.7%
Chesapeake	46	39	41	74	64	46	80	79	77	64	39.1%
CSM	166	176	208	188	194	201	228	232	245	246	48.2%
Frederick	74	86	87	96	90	98	104	93	95	83	12.2%
Garrett	7	15	9	14	7	12	10	16	11	19	171.4%
Hagerstown	48	58	35	42	38	49	48	44	29	47	-2.1%
Harford	127	114	122	113	123	103	81	105	124	106	-16.5%
Howard	163	155	184	153	170	161	156	180	171	196	20.2%
St. Montgomery	649	662	692	661	629	623	668	637	684	709	9.2%
Prince George's	466	443	432	405	395	363	488	458	444	395	-15.2%
Wor-Wic	83	78	76	85	85	78	76	62	100	95	14.5%
TOTAL	3,110	3,107	3,204	3,018	2,950	2,866	3,033	3,019	3,089	3,093	-0.5%

Source: Maryland Higher Education Commission Enrollment Information System

**Appendix - Table 8
Percentage of Community College Transfers Who Had Been Enrolled in Transfer Programs**

Trends in Percentage (%) of Community College Transfers who had been enrolled in transfer programs

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 % Change
Transfer Programs 4000										
Number enrolled	5,093	4,893	4,833	4,597	4,524	4,494	4,632	4,086	4,456	4,577
Percentage	71.5%	69.6%	68.5%	69.0%	67.9%	67.4%	67.3%	60.2%	61.4%	61.8%
Occupational Programs (5000)										
Number Enrolled	1,506	1,140	1,452	1,361	1,326	1,302	1,326	1,379	1,389	1,416
	21.1%	20.5%	20.6%	20.4%	19.9%	19.5%	19.3%	20.3%	19.1%	19.1%
Undeclared Major (all other)										
Number Enrolled	523	696	770	708	817	867	926	1,321	1,412	1,408
Percentage	7.3%	9.9%	10.9%	10.6%	12.3%	13.0%	13.5%	19.5%	19.5%	19.0%
Total	7,122	7,029	7,055	6,666	6,667	6,663	6,884	6,786	7,257	7,401
										3.9%

Source: Maryland Higher Education Commission Enrollment Information System

**Appendix - Table 9
Number of Transfer Students in Specific Transfer Program Area**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Computer Program Transfer	211	228	233	231	228	301	318	356	379	408	93.4%
Teacher Preparation Transfer	450	425	400	355	375	335	345	299	317	365	-18.9%
Business Transfer	828	775	717	669	626	640	641	558	599	575	-30.6%
Engineering Transfer	277	252	223	193	174	168	157	164	177	171	-38.3%
Total	1,766	1,680	1,573	1,448	1,403	1,444	1,461	1,377	1,472	1,519	-14.0%

Source: Maryland Higher Education Commission Enrollment Information System

Appendix - Table 10

Percentage of Transfer Students in Each of the Specific Transfer Program Who Actually Enrolled in the Same Major at Their Four-year Institution

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002 % Change	
Computer Transfer	53.6%	47.4%	57.5%	47.6%	57.5%	55.8%	53.8%	47.5%	60.2%	62.3%	16.2%
Teacher Preparation Transfer	57.6%	60.0%	56.8%	60.3%	61.3%	53.4%	55.1%	56.9%	54.9%	58.1%	0.9%
Business Transfer	51.3%	59.1%	58.7%	57.1%	58.5%	55.5%	46.8%	47.8%	54.4%	66.8%	30.2%
Engineering Transfer	50.9%	56.3%	60.5%	64.2%	64.9%	59.5%	58.6%	62.8%	53.1%	58.5%	14.9%

Source: Maryland Higher Education Commission Enrollment Information System

**Appendix - Table 11
Number of Students Who Transfer from a Four-Year Institution to a Community College**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
All Undergraduates	2,204	2,139	2,059	2,027	2,131	2,012	2,058	2,006	2,120	2,224	0.9%
Full-Time and Part-Time Undergraduates											
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Full-Time	1,405	1,427	1,376	1,425	1,492	1,410	1,416	1,422	1,499	1,598	13.7%
Part-Time	799	712	683	602	639	602	642	584	621	626	-21.7%
Total	2,204	2,139	2,059	2,027	2,131	2,012	2,058	2,006	2,120	2,224	0.9%

Source: Maryland Higher Education Commission Enrollment Information System

