



ENROLLMENT PROJECTIONS

2008-2017

MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

June 2008

MARYLAND HIGHER EDUCATION COMMISSION
839 Bestgate Rd. • Suite 400 • Annapolis, MD 21401-3013

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ENROLLMENT PROJECTIONS - MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

The Maryland Higher Education Commission has prepared enrollment projections for the public colleges and universities in the State through the year 2017. There are headcount projections for each higher education institution, with break downs by full- and part-time undergraduates and, as applicable, full- and part-time graduate/professional students. Full-time equivalent (FTE) and full-time day equivalent (FTDE) projections were calculated by applying a mathematical formula to the headcount figures. Projections also have been developed for state-eligible FTE noncredit continuing education enrollments at the community colleges.

These projections provide perspective to higher education policy discussions at the state level, including facilities planning, tuition and fees issues, articulation, and funding priorities. The Commission's projections are treated by the analysts of the Department of Budget and Management and the General Assembly as the State's official version.

The Commission used separate, but similar, methodologies for projecting the credit enrollments at the community colleges and public four-year institutions. A third method was applied to produce the projections of noncredit continuing education enrollments at the community colleges. All three models involve the application of a linear regression analysis. The models, which were developed by the Commission staff, were exceptionally precise across all student categories at both the public two- and four-year institutions. The Commission's forecast of 268,367 came within 920 students of the actuals for an accuracy rate of 99.7 percent. Among undergraduates alone, the Commission's prediction of 229,485 differed from the actuals by just 248 students or 99.9 percent. The projections at the public four-year campuses came within 520 students of the actuals (or 99.6 percent), and the forecast of full-time students at both the community colleges and public four-year campuses were prescient (99.3 percent and 99.8 percent respectively). This is the third report in which it is possible to assess the performance of the projection model over a 10-year period. The Commission's 1998 projections for both community colleges and public four-year campuses proved to be too conservative. Most of the difference at the community colleges reflects full-time students. A rising number of high school graduates have been attracted to Maryland community colleges during the past 10 years because of their comparatively attractive

tuition and fees and expanded articulation programs which has made it easier for students to transfer credits. The variance at the public four-year institutions can be explained by the much stronger than expected growth at University of Maryland University College. A description of the methodology is appended to this report.

Assumptions of the Projection Models

- *Credit enrollments* among Maryland residents can be predicted by applying the historical relationship between the state's population and past in-state enrollments to future population projections.
- The ratio of in-state to out-of-state students in Maryland will be relatively constant over time.
- The number of full-time undergraduates at both the community colleges and public four-year campuses will be affected by the trends in high school graduates.
- The number of full-time undergraduates at public four-year campuses will be influenced by the number of full-time students enrolling at the state's community colleges.
- Tuition increases will have an impact on full- and part-time community college enrollments.
- The number of part-time undergraduates at both the community colleges and public four-year campuses will be impacted by changes in the per capita disposable income, in constant dollars, of Maryland residents.
- *Noncredit continuing education enrollments* at community colleges can be forecasted by applying the historical relationship between the adult population 20 years of age or older in the county or service area of each two-year institution and past noncredit enrollments at each campus to future population

projections.

Students were distributed among the community colleges chiefly on the basis of the recent market share, growth rate of each institution, and the anticipated change in the college-age population in each campus' county or counties. The predicted number of students for the four-year campuses was determined largely by an examination of institution-provided projections, although the recent market share and growth rate of each campus also were factors.

Highlights of the Enrollment Projections

These are the major features of the projections:

- Total headcount enrollment at Maryland public colleges and universities is projected to be 19.6 percent higher, or by 52,776 in 2017. This is 3,555 students below the forecast for the 2007-2016 period last year and reflects the anticipation by University System of Maryland of fewer students and particularly part-timers at UMUC. Full-time students made up a majority (51.9 percent) of those enrolled at Maryland public campuses in 2007 and are projected to continue to hold their edge (50.9 percent) in 2017. Total enrollments are expected to grow by 15 percent (18,381) at the community colleges and by 23 percent (34,395) at the public four-year campuses.**
- There will be a sharp difference between the community colleges and the public four-year institutions in the growth rates of full- and part-time undergraduates during the next 10 years. At the two-year colleges, full-time students are projected to rise by 20 percent while part-time enrollments are expected to increase by 12 percent. In contrast, at the public four-year campuses, full-time undergraduates are anticipated to rise by 17 percent while part-time undergraduate enrollments experience a 38 percent leap.**

- **Full-time graduate and professional enrollment is projected to increase by 13 percent by 2017, and part-time students will rise by 34 percent.**
- **FTE and FTDE enrollments at the community colleges are expected to rise by 15 percent. FTE and FTDE figures are predicted to grow by 19 and 13 percent respectively at the public four-year institutions; the difference between the two statistics is due to substantial growth in FTES at UMUC and the absence of any FTDE numbers for this institution.**
- **Of the anticipated additional students at Maryland public campuses by 2017, 81 percent will be undergraduates, but just 42 percent will be full-time undergraduates. This is the result of a continued expectation for strong increases in part-time undergraduates and graduate and professional students, including those enrolling in online courses at UMUC.**
- **State-funded noncredit FTE continuing education enrollments at the community colleges are projected to rise by 17 percent to 27,883 during the 10-year period. This is below the 20 percent increase predicted for 2007-2016 and reflects that these enrollments have experienced just modest growth during the past four fiscal years.**

Principal author: Michael J. Keller

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
Allegany College of Md.												
Full-time	2,003	2,032	2,071	2,114	2,159	2,198	2,236	2,269	2,322	2,342	2,381	19%
Part-time	1,775	1,814	1,839	1,858	1,874	1,891	1,928	1,965	1,999	2,066	2,122	20%
Total Headcount	3,778	3,846	3,910	3,972	4,033	4,089	4,164	4,234	4,321	4,408	4,503	19%
Anne Arundel CC												
Full-time	5,211	5,308	5,391	5,472	5,571	5,647	5,727	5,790	5,905	5,930	6,011	15%
Part-time	9,623	9,781	9,803	9,840	9,873	9,912	9,948	10,022	10,079	10,157	10,234	6%
Total Headcount	14,834	15,089	15,194	15,312	15,444	15,559	15,675	15,812	15,984	16,087	16,245	10%
Baltimore City CC												
Full-time	2,740	2,798	2,880	2,955	3,040	3,112	3,193	3,260	3,354	3,417	3,475	27%
Part-time	4,074	4,171	4,256	4,310	4,353	4,418	4,504	4,606	4,707	4,891	5,015	23%
Total Headcount	6,814	6,969	7,136	7,265	7,393	7,530	7,697	7,866	8,061	8,308	8,490	25%
Carroll CC												
Full-time	1,620	1,658	1,707	1,756	1,813	1,858	1,909	1,953	2,009	2,040	2,091	29%
Part-time	1,821	1,849	1,869	1,873	1,879	1,887	1,912	1,940	1,967	2,017	2,060	13%
Total Headcount	3,441	3,507	3,576	3,629	3,692	3,745	3,821	3,893	3,976	4,057	4,151	21%
CCBC												
Full-time	6,660	6,720	6,823	6,929	7,046	7,142	7,245	7,322	7,465	7,505	7,596	14%
Part-time	12,766	12,832	12,851	12,782	12,698	12,664	12,702	12,785	12,854	13,094	13,267	4%
Total Headcount	19,426	19,552	19,674	19,711	19,744	19,806	19,947	20,107	20,319	20,599	20,863	7%
Cecil												
Full-time	694	722	752	782	814	842	872	900	933	937	960	38%
Part-time	1,405	1,419	1,426	1,426	1,418	1,420	1,429	1,445	1,461	1,490	1,516	8%
Total Headcount	2,099	2,141	2,178	2,208	2,232	2,262	2,301	2,345	2,394	2,427	2,476	18%
C of SoMd												
Full-time	3,092	3,131	3,194	3,255	3,325	3,383	3,442	3,494	3,602	3,652	3,684	19%
Part-time	4,649	4,698	4,727	4,728	4,720	4,729	4,764	4,819	4,937	5,032	5,076	9%
Total Headcount	7,741	7,829	7,921	7,983	8,045	8,112	8,206	8,313	8,539	8,684	8,760	13%

Projections of Headcount Enrollment at Maryland Community Colleges

FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
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Chesapeake

Full-time	947	952	963	975	989	999	1,011	1,019	1,036	1,039	1,052	11%
Part-time	1,673	1,701	1,725	1,735	1,741	1,753	1,780	1,809	1,837	1,891	1,934	16%
Total Headcount	2,620	2,653	2,688	2,710	2,730	2,752	2,791	2,828	2,873	2,930	2,986	14%

Frederick CC

Full-time	1,943	1,969	2,006	2,043	2,084	2,122	2,160	2,189	2,237	2,251	2,288	18%
Part-time	3,209	3,256	3,291	3,308	3,316	3,335	3,379	3,428	3,479	3,571	3,650	14%
Total Headcount	5,152	5,225	5,297	5,351	5,400	5,457	5,539	5,617	5,716	5,822	5,938	15%

Garrett

Full-time	543	548	555	563	568	577	582	590	598	602	607	12%
Part-time	234	242	249	251	249	264	269	278	283	298	308	32%
Total Headcount	777	790	804	814	817	841	851	868	881	900	915	18%

Hagerstown CC

Full-time	1,248	1,287	1,340	1,384	1,430	1,475	1,520	1,568	1,630	1,645	1,668	34%
Part-time	2,471	2,532	2,582	2,612	2,640	2,679	2,730	2,823	2,893	2,955	3,031	23%
Total Headcount	3,719	3,819	3,922	3,996	4,070	4,154	4,250	4,391	4,523	4,600	4,699	26%

Harford CC

Full-time	2,583	2,627	2,694	2,753	2,824	2,882	2,947	3,001	3,079	3,113	3,178	23%
Part-time	3,258	3,321	3,365	3,393	3,412	3,443	3,497	3,560	3,619	3,727	3,819	17%
Total Headcount	5,841	5,948	6,059	6,146	6,236	6,325	6,444	6,561	6,698	6,840	6,997	20%

Howard CC

Full-time	2,931	2,992	3,071	3,149	3,235	3,308	3,390	3,489	3,565	3,641	3,678	25%
Part-time	4,592	4,701	4,792	4,896	5,001	5,110	5,221	5,314	5,406	5,499	5,588	22%
Total Headcount	7,523	7,693	7,863	8,045	8,236	8,418	8,611	8,803	8,971	9,140	9,266	23%

Montgomery

Full-time	9,291	9,385	9,531	9,679	9,848	9,981	10,128	10,239	10,440	10,483	10,629	14%
Part-time	14,575	14,711	14,783	14,765	14,725	14,737	14,839	14,992	15,134	15,460	15,733	8%
Total Headcount	23,866	24,096	24,314	24,444	24,573	24,718	24,967	25,231	25,574	25,943	26,362	10%

Projections of Headcount Enrollment at Maryland Community Colleges

FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
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Prince George's CC

Full-time	3,007	3,072	3,162	3,249	3,341	3,425	3,514	3,590	3,691	3,740	3,836	28%
Part-time	8,854	9,012	9,145	9,241	9,311	9,411	9,603	9,736	10,018	10,185	10,372	17%
Total Headcount	11,861	12,084	12,307	12,490	12,652	12,836	13,117	13,326	13,709	13,925	14,208	20%

Wor-Wic CC

Full-time	1,068	1,088	1,120	1,151	1,183	1,210	1,236	1,262	1,300	1,318	1,345	26%
Part-time	2,230	2,304	2,375	2,424	2,468	2,523	2,594	2,671	2,749	2,865	2,967	33%
Total Headcount	3,298	3,392	3,495	3,575	3,651	3,733	3,830	3,933	4,049	4,183	4,312	31%

Total Community Colleges

Full-time	45,581	46,289	47,260	48,209	49,270	50,161	51,112	51,935	53,166	53,655	54,479	20%
Part-time	77,209	78,344	79,078	79,442	79,678	80,176	81,099	82,193	83,422	85,198	86,692	12%
Total Headcount	122,790	124,633	126,338	127,651	128,948	130,337	132,211	134,128	136,588	138,853	141,171	15%

Projections of Full-Time Equivalent and Full-Time Day Equivalent Enrollment at Maryland Community College

	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 08-17
Allegany College of Md.											
FTES	2,470	2,514	2,561	2,608	2,650	2,697	2,739	2,800	2,839	2,893	17%
FTDES	1,696									1,987	17%
Anne Arundel CC											
FTES	9,082	9,178	9,277	9,393	9,488	9,585	9,678	9,820	9,874	9,987	10%
FTDES	6,021									6,621	10%
Baltimore City CC											
FTES	4,703	4,827	4,931	5,043	5,148	5,271	5,385	5,528	5,668	5,779	23%
FTDES	2,149									2,641	23%
Carroll CC											
FTES	2,326	2,383	2,435	2,495	2,544	2,604	2,659	2,725	2,774	2,841	22%
FTDES	1,504									1,838	22%
CCBC											
FTES	11,690	11,806	11,894	11,989	12,079	12,202	12,313	12,489	12,617	12,775	9%
FTDES	7,481									8,176	9%
CCBC-Catonsville											
FTDES	3,217									3,516	9%
CCBC-Dundalk											
FTDES	748									818	9%
CCBC - Essex											
FTDES	3,516									3,842	9%
Cecil											
FTES	1,294	1,329	1,361	1,393	1,424	1,460	1,496	1,537	1,552	1,586	23%
FTDES	780									956	23%
C of SoMd											
FTES	4,448	4,516	4,574	4,638	4,696	4,763	4,830	4,969	5,046	5,091	14%
FTDES	2,682									3,069	14%

Projections of Full-Time Equivalent and Full-Time Day Equivalent Enrollment at Maryland Community College

	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 08-17
C of SoMd - LaPlata/Waldorf											
FTDES	1,690									1,933	14%
C of SoMd - Prince Frederick											
FTDES	536									614	14%
C of SoMd - Leonardtown											
FTDES	456									522	14%
Chesapeake											
FTES	1,529	1,548	1,564	1,580	1,594	1,615	1,633	1,659	1,681	1,708	12%
FTDES	871									973	12%
Frederick CC											
FTES	3,338	3,391	3,438	3,485	3,534	3,591	3,641	3,712	3,761	3,830	15%
FTDES	1,892									2,171	15%
Garrett											
FTES	639	648	657	662	676	683	694	704	713	721	13%
FTDES	432									488	13%
Hagerstown CC											
FTES	2,429	2,508	2,570	2,633	2,699	2,770	2,860	2,957	2,998	3,053	26%
FTDES	1,530									1,923	26%
Harford CC											
FTES	3,771	3,853	3,922	4,000	4,069	4,153	4,229	4,328	4,398	4,495	19%
FTDES	2,590									3,088	19%
Howard CC											
FTES	4,709	4,822	4,938	5,063	5,176	5,299	5,433	5,544	5,654	5,723	22%
FTDES	3,202									3,891	22%
Montgomery											
FTES	15,960	16,150	16,308	16,482	16,635	16,838	17,018	17,296	17,465	17,730	11%
FTDES	11,124									12,357	11%

Projections of Full-Time Equivalent and Full-Time Day Equivalent Enrollment at Maryland Community Colleges

	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 08-17
Montgomery-Takoma Park											
FTDES	6,497									6,920	7%
Montgomery-Takoma Park											
FTDES	2,447									2,842	16%
Montgomery-Germantown											
FTDES	2,180									2,595	19%
Prince George's CC											
FTES	7,048	7,203	7,342	7,475	7,611	7,789	7,928	8,155	8,276	8,460	20%
FTDES	4,017									4,822	20%
Wor-Wic CC											
FTES	2,110	2,173	2,227	2,280	2,331	2,388	2,447	2,519	2,584	2,653	26%
FTDES	1,344									1,689	26%
Total Community Colleges											
FTES	77,546	78,849	79,999	81,219	82,354	83,708	84,983	86,742	87,900	89,325	15%
FTDES	49,315									56,690	15%

**PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2008 - 2017**

College	FY07 actual	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	Percent Change FY07- FY17
Allegany	387	397	401	404	407	410	412	414	418	419	421	9%
Anne Arundel	3,679	3,756	3,821	3,885	3,938	3,990	4,043	4,096	4,150	4,185	4,221	15%
Baltimore City	1,895	1,976	1,993	2,011	2,023	2,035	2,048	2,060	2,072	2,082	2,092	10%
Baltimore County	4,121	4,254	4,300	4,347	4,372	4,396	4,420	4,444	4,468	4,471	4,474	9%
Carroll	464	499	516	533	548	564	578	594	611	624	639	38%
Cecil	498	512	522	531	540	548	556	565	572	579	587	18%
Chesapeake	571	623	660	698	738	781	825	872	922	972	1,026	80%
Frederick	382	412	426	439	452	464	477	491	503	517	529	39%
Garrett	206	219	220	220	220	220	220	220	220	220	219	6%
Hagerstown	829	848	859	872	882	894	905	917	927	937	946	14%
Harford	1,160	1,185	1,196	1,208	1,213	1,218	1,223	1,227	1,231	1,237	1,243	7%
Howard	1,331	1,382	1,403	1,427	1,445	1,464	1,482	1,501	1,520	1,529	1,539	16%
Montgomery	3,270	3,375	3,462	3,562	3,682	3,763	3,847	3,932	4,019	4,094	4,171	28%
Prince George's	3,446	3,485	3,539	3,594	3,658	3,722	3,786	3,850	3,914	3,965	4,014	16%
Southern Maryland	843	848	864	880	891	903	914	926	937	945	953	13%
Wor-Wic	664	684	698	713	727	741	754	768	783	796	809	22%
SYSTEMWIDE	23,746	24,455	24,881	25,324	25,736	26,112	26,492	26,876	27,266	27,572	27,883	17%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
Bowie													
Undergraduate													
	Full-time	3,592	3,552	3,671	3,656	3,875	3,921	4,054	4,022	4,352	4,783	4,830	34%
	Part-time	633	705	611	712	624	758	859	1,186	1,221	1,236	1,248	97%
Total Undergraduate		4,225	4,257	4,282	4,368	4,499	4,679	4,913	5,208	5,573	6,019	6,078	44%
Graduate													
	Full-time	305	284	255	295	241	301	311	331	401	461	482	58%
	Part-time	874	957	1,023	1,008	1,101	1,095	1,155	1,223	1,261	1,334	1,340	53%
Total Graduate		1,179	1,241	1,278	1,303	1,342	1,396	1,466	1,554	1,662	1,795	1,822	55%
Total Headcount		5,404	5,498	5,560	5,671	5,841	6,075	6,379	6,762	7,235	7,814	7,900	46%
Coppin													
Undergraduate													
	Full-time	2,489	2,539	2,590	2,641	2,694	2,802	2,914	3,031	3,152	3,278	3,409	37%
	Part-time	753	768	783	799	815	848	882	917	954	992	1,031	37%
Total Undergraduate		3,242	3,307	3,373	3,440	3,509	3,650	3,796	3,948	4,106	4,270	4,440	37%
Graduate													
	Full-time	194	198	202	206	210	218	227	236	246	255	266	37%
	Part-time	496	506	516	526	537	558	581	604	628	653	679	37%
Total Graduate		690	704	718	732	747	776	808	840	874	908	945	37%
Total Headcount		3,932	4,011	4,091	4,172	4,256	4,426	4,604	4,788	4,980	5,178	5,385	37%
Frostburg													
Undergraduate													
	Full-time	4,096	4,175	4,200	4,238	4,276	4,316	4,356	4,397	4,438	4,479	4,520	10%
	Part-time	239	279	279	283	287	290	293	296	299	302	306	28%
Total Undergraduate		4,335	4,454	4,479	4,521	4,563	4,606	4,649	4,693	4,737	4,781	4,826	11%
Graduate													
	Full-time	215	180	183	189	195	201	207	213	219	225	231	7%
	Part-time	443	440	442	446	450	454	458	462	466	471	476	7%
Total Graduate		658	620	625	635	645	655	665	675	685	696	707	7%
Total Headcount		4,993	5,074	5,104	5,156	5,208	5,261	5,314	5,368	5,422	5,477	5,533	11%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
Salisbury													
Undergraduate													
	Full-time	6,357	6,520	6,830	7,150	7,177	7,200	7,225	7,252	7,275	7,300	7,326	15%
	Part-time	584	584	590	600	600	604	606	606	610	611	612	5%
Total Undergraduate		6,941	7,104	7,420	7,750	7,777	7,804	7,831	7,858	7,885	7,911	7,938	14%
Graduate													
	Full-time	210	210	230	235	235	235	235	235	235	235	235	12%
	Part-time	430	430	435	440	440	440	440	440	440	441	441	3%
Total Graduate		640	640	665	675	675	675	675	675	675	676	676	6%
Total Headcount		7,581	7,744	8,085	8,425	8,452	8,479	8,506	8,533	8,560	8,587	8,614	14%
Towson													
Undergraduate													
	Full-time	14,180	14,780	15,670	16,780	17,790	18,680	18,680	18,670	18,670	18,680	18,690	32%
	Part-time	2,039	1,940	1,930	2,000	2,110	2,230	2,230	2,240	2,240	2,230	2,220	9%
Total Undergraduate		16,219	16,720	17,600	18,780	19,900	20,910	20,910	20,910	20,910	20,910	20,910	29%
Graduate													
	Full-time	906	920	930	960	1,000	1,070	1,070	1,070	1,070	1,070	1,070	18%
	Part-time	2,633	2,630	2,690	2,790	2,930	3,020	3,020	3,020	3,020	3,020	3,020	15%
Total Graduate		3,539	3,550	3,620	3,750	3,930	4,090	4,090	4,090	4,090	4,090	4,090	16%
Total Headcount		19,758	20,270	21,220	22,530	23,830	25,000	25,000	25,000	25,000	25,000	25,000	27%
University of Baltimore													
Undergraduate													
	Full-time	1,259	1,429	1,456	1,523	1,624	1,729	1,750	1,818	1,858	1,858	1,858	48%
	Part-time	1,153	1,155	1,179	1,186	1,202	1,195	1,219	1,215	1,238	1,258	1,258	9%
Total Undergraduate		2,412	2,584	2,635	2,709	2,826	2,924	2,969	3,033	3,096	3,116	3,116	29%
Graduate													
	Full-time	1,539	1,539	1,546	1,550	1,550	1,565	1,570	1,575	1,590	1,600	1,600	4%
	Part-time	1,464	1,464	1,484	1,490	1,500	1,514	1,591	1,649	1,709	1,732	1,732	18%
Total Graduate		3,003	3,003	3,030	3,040	3,050	3,079	3,161	3,224	3,299	3,332	3,332	11%
Total Headcount		5,415	5,587	5,665	5,749	5,876	6,003	6,130	6,257	6,395	6,448	6,448	19%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
UMB													
Undergraduate													
	Full-time	555	598	634	698	718	740	746	752	753	754	754	36%
	Part-time	255	243	243	255	258	261	264	265	266	267	267	5%
Total Undergraduate		810	841	877	953	976	1,001	1,010	1,017	1,019	1,021	1,021	26%
Graduate													
	Full-time	4,110	4,277	4,424	4,573	4,689	4,874	5,040	5,183	5,301	5,360	5,368	31%
	Part-time	964	903	892	893	892	920	921	920	920	919	919	-5%
Total Graduate		5,074	5,180	5,316	5,466	5,581	5,794	5,961	6,103	6,221	6,279	6,287	24%
Total Headcount		5,884	6,021	6,193	6,419	6,557	6,795	6,971	7,120	7,240	7,300	7,308	24%

UMBC													
Undergraduate													
	Full-time	7,962	7,996	8,180	8,261	8,344	8,427	8,512	8,597	8,683	8,770	8,857	11%
	Part-time	1,502	1,513	1,548	1,563	1,579	1,595	1,611	1,627	1,643	1,659	1,676	12%
Total Undergraduate		9,464	9,509	9,728	9,824	9,923	10,022	10,123	10,224	10,326	10,429	10,533	11%
Graduate													
	Full-time	1,015	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1%
	Part-time	1,562	1,683	1,710	1,792	1,877	1,964	2,053	2,146	2,241	2,338	2,439	56%
Total Graduate		2,577	2,705	2,732	2,814	2,899	2,986	3,075	3,168	3,263	3,360	3,461	34%
Total Headcount		12,041	12,214	12,460	12,638	12,822	13,008	13,198	13,392	13,589	13,789	13,994	16%

UMCP													
Undergraduate													
	Full-time	23,780	24,067	23,906	23,592	23,277	23,070	22,959	22,909	22,888	22,881	22,878	-4%
	Part-time	2,077	2,131	2,117	2,089	2,061	2,043	2,033	2,028	2,027	2,026	2,026	-2%
Total Undergraduate		25,857	26,198	26,023	25,681	25,337	25,113	24,992	24,937	24,915	24,907	24,904	-4%
Graduate													
	Full-time	6,844	6,923	6,911	6,912	6,914	6,915	6,915	6,915	6,915	6,915	6,915	1%
	Part-time	3,313	3,360	3,354	3,354	3,355	3,356	3,356	3,356	3,356	3,356	3,356	1%
Total Graduate		10,157	10,283	10,265	10,266	10,269	10,271	10,271	10,271	10,271	10,271	10,271	1%
Total Headcount		36,014	36,481	36,288	35,947	35,606	35,384	35,263	35,208	35,186	35,178	35,175	-2%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
UMES													
Undergraduate													
	Full-time	3,282	3,314	3,536	3,773	4,026	4,114	4,205	4,297	4,392	4,488	4,587	40%
	Part-time	333	336	359	383	408	417	426	436	445	455	465	40%
Total Undergraduate		3,615	3,650	3,895	4,156	4,434	4,531	4,631	4,733	4,837	4,943	5,052	40%
Graduate													
	Full-time	205	205	219	233	249	255	260	266	272	278	284	39%
	Part-time	266	266	284	303	323	330	338	345	353	360	368	38%
Total Graduate		471	471	503	536	572	585	598	611	625	638	652	38%
Total Headcount		4,086	4,121	4,398	4,692	5,006	5,116	5,229	5,344	5,462	5,581	5,704	40%

UMUC													
Undergraduate													
	Full-time	3,004	3,057	3,149	3,275	3,406	3,542	3,719	3,905	4,100	4,305	4,521	50%
	Part-time	18,849	19,183	19,758	20,548	21,370	22,225	23,336	24,503	25,728	27,015	28,366	50%
Total Undergraduate		21,853	22,240	22,907	23,823	24,776	25,767	27,055	28,408	29,828	31,320	32,887	50%
Graduate													
	Full-time	282	285	300	300	300	300	300	300	300	300	300	6%
	Part-time	10,405	10,591	10,902	11,351	11,817	12,301	12,931	13,593	14,288	15,017	15,783	52%
Total Graduate		10,687	10,876	11,202	11,651	12,117	12,601	13,231	13,893	14,588	15,317	16,083	50%
Total Headcount		32,540	33,116	34,109	35,474	36,893	38,368	40,286	42,301	44,416	46,637	48,970	50%

TOTAL SYSTEM OF MD. WITHOUT UMUC													
Undergraduate													
	Full-time	67,552	68,970	70,673	72,312	73,801	74,999	75,401	75,745	76,461	77,271	77,709	15%
	Part-time	9,568	9,654	9,639	9,870	9,944	10,241	10,423	10,816	10,943	11,036	11,109	16%
Total Undergraduate		77,120	78,624	80,312	82,182	83,745	85,240	85,824	86,561	87,404	88,307	88,818	15%
Graduate													
	Full-time	15,543	15,758	15,922	16,175	16,305	16,656	16,857	17,046	17,271	17,421	17,473	12%
	Part-time	12,445	12,639	12,830	13,042	13,405	13,651	13,913	14,165	14,394	14,624	14,770	19%
Total Graduate		27,988	28,397	28,752	29,217	29,710	30,307	30,770	31,211	31,665	32,045	32,243	15%
Total Headcount		105,108	107,021	109,064	111,399	113,455	115,547	116,594	117,772	119,069	120,352	121,061	15%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 07 FY 08 Actual	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 07-17
TOTAL 4-YEAR PUBLIC													
Undergraduate													
	Full-time	77,802	79,413	81,348	83,273	85,068	86,577	87,323	88,012	89,072	90,214	91,004	17%
	Part-time	29,141	29,584	30,157	31,192	32,101	33,268	34,575	36,149	37,516	38,912	40,351	38%
Total Undergraduate		106,943	108,997	111,505	114,465	117,169	119,845	121,898	124,161	126,588	129,126	131,355	23%
Graduate													
	Full-time	16,288	16,528	16,719	16,983	17,122	17,483	17,694	17,893	18,128	18,288	18,351	13%
	Part-time	23,266	23,675	24,205	24,893	25,747	26,498	27,409	28,341	29,283	30,259	31,186	34%
Total Graduate		39,554	40,203	40,924	41,876	42,869	43,981	45,103	46,234	47,411	48,547	49,537	25%
Total Headcount		146,497	149,200	152,429	156,341	160,038	163,826	167,001	170,395	173,999	177,673	180,892	23%

Projections of Full-Time Equivalent and Full-Time Day Equivalent Enrollment at Maryland Public Four-Year Institution

	FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 08-17
Bowie											
FTES	4,390	4,470	4,524	4,691	4,839	5,036	5,156	5,580	6,100	6,174	41%
FTDES	3,116									4,383	41%
Coppin											
FTES	3,057	3,118	3,180	3,243	3,373	3,508	3,649	3,795	3,946	4,104	34%
FTDES	1,966									2,640	34%
Frostburg											
FTES	4,286	4,313	4,357	4,400	4,445	4,490	4,536	4,582	4,629	4,675	9%
FTDES	3,539									3,871	9%
Salisbury											
FTES	6,926	7,253	7,577	7,603	7,627	7,652	7,678	7,702	7,727	7,753	12%
FTDES	5,817									6,512	12%
Towson											
FTES	16,413	17,287	18,427	19,507	20,489	20,489	20,483	20,483	20,489	20,495	25%
FTDES	13,786									17,215	25%
University of Baltimore											
FTES	3,851	3,885	3,926	3,976	4,004	4,042	4,132	4,217	4,315	4,315	12%
FTDES	1,617									1,812	12%
UMB											
FTES	5,872	6,047	6,281	6,443	6,685	6,877	7,035	7,177	7,252	7,259	24%
FTDES	5,707									7,032	23%
UMBC											
FTES	9,465	9,667	9,788	9,912	10,029	10,142	10,256	10,372	10,490	10,609	12%
FTDES	8,053									8,985	12%
UMCP											
FTES	29,964	29,801	29,505	29,211	29,019	28,915	28,867	28,848	28,841	28,838	-4%
FTDES	27,267									26,242	-4%

Projections of Full-Time Equivalent and Full-Time Day Equivalent Enrollment at Maryland Public Four-Year Institution

FALL 08 FY 09 Projected	FALL 09 FY 10 Projected	FALL 10 FY 11 Projected	FALL 11 FY 12 Projected	FALL 12 FY 13 Projected	FALL 13 FY 14 Projected	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	% Change 08-17
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UMES											
FTES	3,544	3,782	4,035	4,306	4,400	4,497	4,596	4,698	4,800	4,906	38%
FTDES	2,959									4,096	38%

UMUC											
FTES	17,206	17,728	18,427	19,154	19,909	20,892	21,924	23,007	24,144	25,339	47%

TOTAL SYSTEM OF MD. WITHOUT UMUC											
FTES	87,768	89,623	91,600	93,292	94,910	95,648	96,388	97,454	98,589	99,128	13%
FTDES (except UMUC)	73,827									82,788	12%

TOTAL SYSTEM OF MD.											
FTES	104,974	107,351	110,027	112,446	114,819	116,540	118,312	120,461	122,733	124,467	19%
FTDES (except UMUC)	73,827									82,788	12%

Morgan State											
FTES	6,383	6,572	6,767	6,965	7,164	7,354	7,536	7,707	7,857	8,016	26%
FTDES	5,106									6,412	26%

St. Mary's College											
FTES	2,014	1,993	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	-1%
FTDES	1,786									1,765	-1%

TOTAL 4-YEAR PUBLIC											
FTES	113,371	115,916	118,784	121,401	123,973	125,884	127,838	130,158	132,580	134,473	19%
FTDES (except UMUC)	80,719									90,965	13%

MARYLAND HIGHER EDUCATION COMMISSION

These are the assumptions and steps used in projecting the headcount enrollments at Maryland's public community colleges.

Enrollment Projection Model - Community Colleges

ASSUMPTIONS

1. Enrollments of Maryland residents can be forecast by matching the historical relationship between the state's population and past in-state enrollments, then incorporating population projections for the state.
2. The ratio of in-state to out-of-state students in Maryland will remain relatively constant.
3. Tuition increases will have an impact on full- and part-time community college enrollments.
4. The number of full-time students will be affected by trends in high school graduates.
5. The number of part-time students will be impacted by changes in the per capita disposable income, calculated in constant dollars, of Maryland residents.

STEPS

1. Total enrollment at Maryland's community colleges during the past five years were categorized by gender, age (11 groupings), and enrollment status (full- and part-time). Students whose age was unknown were distributed in the other age categories on a proportional basis.
2. The percentage of students who were Maryland residents was determined for each gender and enrollment group.
3. The state's population during the five-year period was categorized by gender and the same age groupings. The actual and projected population figures were obtained from the Maryland Office of Planning.

4. A least-squares fit regression analysis was used to examine the relationship between the in-state enrollment (dependent variable) and the state's population (independent variable). This relationship was then applied to the population projections through the year 2017 to determine the projected enrollments of Maryland residents.
5. Out-of-state enrollments were projected to be consistent with the ratio of in-state to out-of-state students in the last year in which actual enrollment figures were available. Separate ratios were used for each of the gender and enrollment categories.
6. The annual percentage change over five years in the resident tuition and fees at Maryland community colleges, with a two-year lag time, was integrated inversely into the regression model as an independent variable for predicting the number of full-time students.
7. The annual percentage change over five years in the credit hour tuition and fees of residents in community college service areas, with a two-year lag time, was integrated inversely into the regression model as an independent variable for predicting the number of part-time students.
8. The annual projected change in the number of Maryland high school graduates through spring 2017 was integrated into the regression model as an independent variable for predicting the number of full-time students. Projections for Maryland high school graduates were obtained from the Western Interstate Commission for Higher Education.
9. The annual percentage change in the per capita disposable income, in constant dollars, of Maryland residents over five years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of part-time students. The income information was obtained from the Bureau of Economic Analysis.
10. The projected number of full-time equivalent students (FTES) at each community college was calculated from the headcount enrollments. This conversion was made by: 1) computing headcount-driven FTES figures for each college for each year (the total number of full-time students plus one-third of the part-time), and 2) multiplying these figures by the average ratio of headcount- to credit hour-driven FTES over the past three years. A separate ratio was obtained for each college, and these ratios were applied to each year through 2017 (FY 2018).
11. The projected number of full-time day equivalent students (FTDES) at each community college was calculated by multiplying the FTES enrollments for each campus by the average ratio of credit hour-driven FTES to FTDES over the past three years. A separate ratio was obtained for each campus, and these ratios were applied to each year through 2017.

MARYLAND HIGHER EDUCATION COMMISSION
Noncredit Continuing Education Enrollment Projection Model – Community Colleges

These are the assumptions and steps used in projecting the state-eligible full-time equivalent (FTE) noncredit continuing education enrollments at Maryland community colleges.

ASSUMPTIONS

1. The adult population 20 years of age or older in a community college's county or service area is a key predictor of noncredit continuing education enrollments.
2. Continuing education enrollments can be forecast by matching the historical relationship between state-funded FTE enrollments at each college and the adult population in the above age group in each college's respective county or service area to the population projections in each location.

STEPS

1. Total FTE noncredit continuing education enrollments at Maryland community colleges that are eligible for state funding were assembled for the past five years categorized by gender and age (11 groupings).
2. The number of residents in each Maryland county for the past five years was categorized by gender and the same age groupings. The actual population figures were obtained from the Maryland Office of Planning.
3. A least-squares fit regression analysis was used to examine the relationship between the noncredit enrollment (dependent variable) and the population (independent variable). A separate regression analysis was performed for each college, using its own enrollment figures and the population in its county or service area.
4. Each of the 16 statistical relationships was then applied to the population projections for the appropriate county or service area through FY 2017 to determine the projected noncredit FTE continuing education enrollments for the individual community colleges. The projected population figures were obtained from the Maryland Office of Planning.

5. Projected noncredit full-time day equivalent (FTDE) continuing education enrollments were calculated by taking a ratio of the total FTE noncredit enrollments and total FTDE noncredit enrollments for the past three years and multiplying the projected FTE noncredit enrollments by the average three-year ratio.

Enrollment Projection Model - Four Year Colleges and Universities

These are the assumptions and steps used in projecting the Redevelopment Office's enrollment projections for Maryland's public four-year colleges and universities.

ASSUMPTIONS

1. Enrollments of Maryland residents can be forecast by matching the historical relationship between the state's population and past in-state enrollments, then incorporating population projections for the state.
2. The ratio of in-state to out-of-state students in Maryland will remain relatively constant.
3. The number of full-time undergraduates will be affected by trends in high school graduates and the number of full-time students enrolling at the state's community colleges.
4. The number of part-time undergraduates will be impacted by changes in the per capita disposable income, calculated in constant dollars, of Maryland residents.

STEPS

1. Total enrollment at Maryland's public four-year campuses during the past five years were categorized by gender, age (11 groupings), and enrollment status (full- and part-time, undergraduate and graduate/professional). Students whose age was unknown were distributed in the other age categories on a proportional basis.
2. The percentage of students who were Maryland residents was determined for each gender and enrollment group.
3. The state's population during the five-year period was categorized by gender and the same age groupings. The actual and projected population figures were obtained from the Maryland Office of Planning.
4. A least-squares fit regression analysis was used to examine the relationship between the in-state enrollment (dependent variable) and the state's population (independent variable). This relationship was then applied to the population projections through the year 2017 to determine the projected enrollments of Maryland residents.

5. Out-of-state enrollments were projected to be consistent with the ratio of in-state to out-of-state students in the last year in which actual enrollment figures were available. Separate ratios were used for each of the gender and enrollment categories.
6. The annual percentage change in the number of Maryland full-time community college students over five years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of full-time undergraduates.
7. The annual projected change in the number of Maryland high school graduates through spring 2017 was integrated into the regression model as an independent variable for predicting the number of full-time undergraduates. Projections for Maryland high school graduates were obtained from the Western Interstate Commission for Higher Education.
8. The annual percentage change in the per capita disposable income, in constant dollars, of Maryland residents over five years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of part-time undergraduates. The income information was obtained from the Bureau of Economic Analysis.
9. The projected number of full-time equivalent students (FTES) at each public four-year institution was calculated from the headcount enrollments. This conversion was made by: 1) computing headcount-driven FTES figures for each campus for each year (the total number of full-time students plus one-third of the part-time), and 2) multiplying these figures by the average ratio of headcount- to credit hour-driven FTES over the past three years. A separate ratio was obtained for each college, and these ratios were applied to each year through 2017 (FY 2018).
10. The projected number of full-time day equivalent students (FTDES) at each public four-year institution was calculated by multiplying the FTES enrollment for each campus by the average ratio of credit hour-driven FTES to FTDES over the past three years. A separate ratio was obtained for each campus, and these ratios were applied to each year through 2017. A figure equaling the most recent first- and second-year headcount enrollment at the University of Maryland School of Medicine was added to the FTDES of University of Maryland, Baltimore (UMB) in each year. The standard formula understates the FTDES at UMB since The School of Medicine does not operate on a credit hour basis.

