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ENROLLMENT PROJECTIONS

2011 – 2020

MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

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Maryland Higher Education Commission

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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 2020. There are headcount projections for each higher education institution, with separate analyses for 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, funding priorities, and retention and graduation rates. The Department of Budget and Management and the General Assembly treat the Commission's analyses as the State's official enrollment projections.

The Commission used separate, but similar, methodologies for projecting 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 enrollment projections model does not account for new policy decisions or unexpected occurrences that are difficult to quantify. Historically, the models have been highly precise across all student categories at both the public two- and four-year institutions. Last year, the Commission's forecast of 308,249 students was 99.5% percent accurate. This is the sixth report in which it is possible to assess the performance of the projection model over a 10-year period. The Commission's 2001 projections were highly accurate for the public four-year campuses (98.8%), and for all students enrolled (91.9%). The community college projections were less precise (81.5%), largely because of the unanticipated enrollment increases which resulted from the recent economic recession.

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 20 percent higher (61,450 students) in 2020. In 2010, full-time and part-time students represented nearly equal proportions of the student population, and that trend is expected to continue through 2020. Total enrollments are expected to increase by 19 percent (27,707) at the community colleges and by 21 percent (33,743) at the public four-year campuses.

- There will be a considerable difference between the growth rates of full-time and part-time undergraduates attending community colleges and public four-year institutions over the next 10 years. At the two-year colleges, full-time students are projected to increase by 26 percent while part-time enrollments are expected to increase by 15 percent. Conversely, at the public four-year campuses, full-time undergraduates are anticipated to increase by just 13 percent while part-time undergraduate enrollments are estimated to rise by 39 percent.

- For the second consecutive year, full-time graduate and professional enrollments are projected to increase by 10 percent. Part-time graduate and professional enrollments are predicted to rise by 30 percent by 2020.

- At the community colleges, FTE enrollments are expected to increase by 19 percent while FTDE enrollments are projected to increase by 18 percent. FTE and FTDE figures are predicted to grow by 17 and 12 percent, respectively, at the public four-year institutions.

- Of the anticipated additional students at Maryland public campuses in 2020, it is predicted that 83.8 percent will be undergraduates, and a slight majority (50.9 percent) of these new undergraduates will be part-time students.

- For the second year in a row, State-funded noncredit FTE continuing education enrollments at the community colleges are projected to increase by 11 percent to 28,714 during the 10-year period.

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 10 FY 11 Actual	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	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY Projected	% Change 10-20
Allegany College of Md.												
Full-time	2,290	2,294	2,302	2,336	2,343	2,439	2,479	2,491	2,549	2,565	2,620	14%
Part-time	1,781	1,820	1,848	1,864	1,890	1,918	1,953	1,971	1,998	2,032	2,048	15%
Total Headcount	4,071	4,114	4,150	4,200	4,233	4,357	4,432	4,462	4,547	4,597	4,668	15%
Anne Arundel CC												
Full-time	5,826	5,997	6,093	6,130	6,186	6,470	6,575	6,649	6,803	6,869	7,135	22%
Part-time	11,839	12,049	12,239	12,425	12,603	12,781	12,946	13,088	13,152	13,207	13,351	13%
Total Headcount	17,665	18,046	18,332	18,555	18,789	19,251	19,521	19,737	19,955	20,076	20,486	16%
Baltimore City CC												
Full-time	2,972	3,070	3,141	3,197	3,261	3,450	3,540	3,606	3,705	3,816	3,953	33%
Part-time	4,188	4,311	4,415	4,514	4,617	4,726	4,827	4,937	4,992	5,145	5,237	25%
Total Headcount	7,160	7,381	7,556	7,711	7,878	8,176	8,367	8,543	8,697	8,961	9,190	28%
Carroll CC												
Full-time	1,793	1,807	1,857	1,910	1,945	2,044	2,083	2,111	2,142	2,169	2,257	26%
Part-time	2,315	2,362	2,392	2,431	2,461	2,492	2,533	2,551	2,595	2,621	2,672	15%
Total Headcount	4,108	4,169	4,249	4,341	4,406	4,536	4,616	4,662	4,737	4,790	4,929	20%
CCBC												
Full-time	9,038	9,383	9,610	9,732	9,944	10,428	10,625	10,841	11,268	11,401	11,804	31%
Part-time	17,387	17,776	18,124	18,511	18,839	19,157	19,487	19,762	20,072	20,293	20,623	19%
Total Headcount	26,425	27,159	27,734	28,243	28,783	29,585	30,112	30,603	31,340	31,694	32,427	23%
Cecil CC												
Full-time	947	978	992	1,003	1,017	1,072	1,093	1,109	1,144	1,159	1,203	27%
Part-time	1,479	1,514	1,530	1,546	1,561	1,569	1,591	1,599	1,612	1,624	1,632	10%
Total Headcount	2,426	2,492	2,522	2,549	2,578	2,641	2,684	2,708	2,756	2,783	2,835	17%

Projections of Headcount Enrollment at Maryland Community Colleges

Chesapeake CC

Full-time	1,116	1,137	1,162	1,185	1,201	1,265	1,290	1,309	1,331	1,348	1,411	26%
Part-time	1,840	1,875	1,896	1,927	1,967	1,999	2,038	2,070	2,102	2,140	2,179	18%
Total Headcount	2,956	3,012	3,058	3,112	3,168	3,264	3,328	3,379	3,433	3,488	3,590	21%

Frederick CC

Full-time	2,332	2,407	2,457	2,484	2,515	2,644	2,691	2,726	2,831	2,861	2,917	25%
Part-time	3,953	4,023	4,080	4,134	4,186	4,233	4,259	4,323	4,340	4,384	4,435	12%
Total Headcount	6,285	6,430	6,537	6,618	6,701	6,877	6,950	7,049	7,171	7,245	7,352	17%

Garrett

Full-time	647	663	670	684	687	709	717	723	735	750	761	18%
Part-time	203	210	217	222	228	234	242	251	256	264	272	34%
Total Headcount	850	873	887	906	915	943	959	974	991	1,014	1,033	22%

Hagerstown CC

Full-time	1,544	1,597	1,642	1,665	1,694	1,782	1,817	1,853	1,936	1,985	2,040	32%
Part-time	3,171	3,247	3,307	3,359	3,416	3,477	3,550	3,594	3,654	3,728	3,778	19%
Total Headcount	4,715	4,844	4,949	5,024	5,110	5,259	5,367	5,447	5,590	5,713	5,818	23%

Harford CC

Full-time	3,122	3,220	3,289	3,346	3,391	3,567	3,634	3,684	3,785	3,831	3,947	26%
Part-time	4,013	4,109	4,190	4,262	4,339	4,403	4,482	4,543	4,589	4,693	4,752	18%
Total Headcount	7,135	7,329	7,479	7,608	7,730	7,970	8,116	8,227	8,374	8,524	8,699	22%

Howard CC

Full-time	3,661	3,839	3,957	4,020	4,093	4,267	4,368	4,468	4,638	4,655	4,784	31%
Part-time	5,907	6,110	6,221	6,355	6,464	6,583	6,629	6,813	6,951	7,118	7,195	22%
Total Headcount	9,568	9,949	10,178	10,375	10,557	10,850	10,997	11,281	11,589	11,773	11,979	25%

Projections of Headcount Enrollment at Maryland Community Colleges

Montgomery												
Full-time	10,056	10,368	10,523	10,624	10,700	10,842	10,973	11,101	11,347	11,413	11,550	15%
Part-time	15,959	16,089	16,177	16,272	16,314	16,344	16,357	16,424	16,473	16,502	16,546	4%
Total Headcount	26,015	26,457	26,700	26,896	27,014	27,186	27,330	27,525	27,820	27,915	28,096	8%

Prince George's CC												
Full-time	4,637	4,784	4,935	5,043	5,168	5,485	5,642	5,781	6,141	6,228	6,452	39%
Part-time	10,177	10,336	10,428	10,586	10,760	10,949	11,202	11,306	11,652	11,820	11,896	17%
Total Headcount	14,814	15,120	15,363	15,629	15,928	16,434	16,844	17,087	17,793	18,048	18,348	24%

SoMd												
Full-time	3,456	3,519	3,605	3,655	3,685	3,867	3,931	3,976	4,064	4,106	4,251	23%
Part-time	5,578	5,705	5,799	5,842	5,890	5,945	6,024	6,077	6,112	6,134	6,169	11%
Total Headcount	9,034	9,224	9,404	9,497	9,575	9,812	9,955	10,053	10,176	10,240	10,420	15%

Wor-Wic CC												
Full-time	1,255	1,297	1,337	1,356	1,388	1,428	1,456	1,484	1,543	1,557	1,605	28%
Part-time	2,895	2,985	3,061	3,148	3,233	3,312	3,345	3,439	3,494	3,569	3,609	25%
Total Headcount	4,150	4,282	4,398	4,504	4,621	4,740	4,801	4,923	5,037	5,126	5,214	26%

Total Community Colleges												
Full-time	54,692	56,360	57,572	58,370	59,218	61,759	62,914	63,912	65,962	66,713	68,690	26%
Part-time	92,685	94,521	95,924	97,398	98,768	100,122	101,465	102,748	104,044	105,274	106,394	15%
Total Headcount	147,377	150,881	153,496	155,768	157,986	161,881	164,379	166,660	170,006	171,987	175,084	19%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 10 FY 11 Actual	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	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 17 Projected	% Change 10-20
Bowie													
	Undergraduate												
	Full-time	3709	3749	3803	3820	3877	3906	3950	4011	4037	4074	4114	11%
	Part-time	692	688	691	712	735	755	778	797	814	832	838	21%
	Total Undergraduate	4401	4437	4494	4532	4612	4661	4728	4808	4851	4906	4952	13%
	Graduate												
	Full-time	409	410	417	424	431	438	444	451	456	465	472	15%
	Part-time	768	798	799	806	814	820	831	846	860	872	883	15%
	Total Graduate	1177	1208	1216	1230	1245	1258	1275	1297	1316	1337	1355	15%
Total Headcount		5578	5645	5710	5762	5857	5919	6003	6105	6167	6243	6307	13%
Coppin													
	Undergraduate												
	Full-time	2599	2628	2667	2680	2721	2742	2774	2817	2836	2863	2893	11%
	Part-time	699	694	697	717	739	758	781	799	816	833	838	20%
	Total Undergraduate	3298	3322	3364	3397	3460	3500	3555	3616	3652	3696	3731	13%
	Graduate												
	Full-time	134	134	136	137	139	141	142	144	145	147	149	11%
	Part-time	368	381	381	383	386	388	392	398	404	409	413	12%
	Total Graduate	502	515	517	520	525	529	534	542	549	556	562	12%
Total Headcount		3800	3837	3881	3917	3985	4029	4089	4158	4201	4252	4293	13%
Frostburg													
	Undergraduate												
	Full-time	4544	4598	4671	4697	4773	4814	4874	4955	4993	5045	5100	12%
	Part-time	322	320	322	332	342	352	363	372	380	389	392	22%
	Total Undergraduate	4866	4918	4993	5029	5115	5166	5237	5327	5373	5434	5492	13%
	Graduate												
	Full-time	247	247	251	256	259	263	267	271	274	279	283	15%
	Part-time	357	371	371	375	379	381	386	393	400	406	411	15%
	Total Graduate	604	618	622	631	638	644	653	664	674	685	694	15%
Total Headcount		5470	5536	5615	5660	5753	5810	5890	5991	6047	6119	6186	13%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

Salisbury

Undergraduate													
	Full-time	7103	7192	7336	7395	7531	7615	7728	7874	7953	8054	8162	15%
	Part-time	603	599	601	619	638	655	674	690	705	719	724	20%
Total Undergraduate		7706	7791	7937	8014	8169	8270	8402	8564	8658	8773	8886	15%
Graduate													
	Full-time	272	272	277	281	285	289	293	297	300	305	310	14%
	Part-time	419	436	438	444	450	454	462	471	481	489	497	19%
Total Graduate		691	708	715	725	735	743	755	768	781	794	807	17%
Total Headcount		8397	8499	8652	8739	8904	9013	9157	9332	9439	9567	9693	15%

Towson

Undergraduate													
	Full-time	15560	15707	15914	15964	16181	16280	16442	16673	16758	16891	17035	9%
	Part-time	1969	1951	1951	2003	2059	2107	2164	2207	2247	2288	2297	17%
Total Undergraduate		17529	17658	17865	17967	18240	18387	18606	18880	19005	19179	19332	10%
Graduate													
	Full-time	1285	1291	1318	1344	1369	1394	1419	1445	1466	1498	1525	19%
	Part-time	3026	3149	3159	3195	3233	3265	3313	3379	3443	3497	3548	17%
Total Graduate		4311	4440	4477	4539	4602	4659	4732	4824	4909	4995	5073	18%
Total Headcount		21840	22098	22342	22506	22842	23046	23338	23704	23914	24174	24405	12%

University of Baltimore

Undergraduate													
	Full-time	1924	1999	2171	2359	2550	2738	2816	2904	2992	3009	3062	59%
	Part-time	1302	1364	1448	1573	1700	1826	1826	1884	1936	2006	2041	57%
Total Undergraduate		3226	3363	3619	3932	4250	4564	4642	4788	4928	5015	5103	58%
Graduate													
	Full-time	1495	1488	1504	1520	1533	1547	1560	1574	1581	1600	1614	8%
	Part-time	1780	1854	1862	1885	1910	1930	1961	2002	2042	2076	2109	18%
Total Graduate		3275	3342	3366	3405	3443	3477	3521	3576	3623	3676	3723	14%
Total Headcount		6501	6705	6985	7337	7693	8041	8163	8364	8551	8691	8826	36%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

UMB													
Undergraduate													
	Full-time	533	582	595	606	606	609	609	609	611	611	611	15%
	Part-time	239	250	255	260	260	261	261	261	262	262	262	10%
Total Undergraduate		772	832	850	866	866	870	870	870	873	873	873	13%
Graduate													
	Full-time	4439	4370	4365	4398	4484	4577	4675	4749	4758	4770	4790	8%
	Part-time	1138	1093	1091	1099	1121	1144	1169	1187	1189	1192	1197	5%
Total Graduate		5577	5463	5456	5497	5605	5721	5844	5936	5947	5962	5987	7%
Total Headcount		6349	6295	6306	6363	6471	6591	6714	6806	6820	6835	6860	8%

UMBC													
Undergraduate													
	Full-time	8830	8942	9089	9147	9301	9388	9511	9676	9757	9865	9981	13%
	Part-time	1380	1371	1375	1416	1460	1498	1543	1579	1612	1645	1657	20%
Total Undergraduate		10210	10313	10464	10563	10761	10886	11054	11255	11369	11510	11638	14%
Graduate													
	Full-time	1140	1139	1156	1173	1188	1204	1219	1235	1246	1266	1282	12%
	Part-time	1538	1596	1597	1611	1626	1637	1657	1686	1713	1735	1756	14%
Total Graduate		2678	2735	2753	2784	2814	2841	2876	2921	2959	3001	3038	13%
Total Headcount		12888	13048	13217	13347	13575	13727	13930	14176	14328	14511	14676	14%

UMCP													
Undergraduate													
	Full-time	24841	24125	24400	24375	24625	25225	25725	26175	26475	26675	26775	8%
	Part-time	2081	1975	2000	2025	2025	2050	2125	2175	2225	2200	2225	7%
Total Undergraduate		26922	26100	26400	26400	26650	27275	27850	28350	28700	28875	29000	8%
Graduate													
	Full-time	7095	6845	7120	7195	7270	7370	7445	7495	7545	7570	7570	7%
	Part-time	3624	3475	3625	3675	3725	3750	3800	3825	3850	3875	3875	7%
Total Graduate		10719	10320	10745	10870	10995	11120	11245	11320	11395	11445	11445	7%
Total Headcount		37641	36420	37145	37270	37645	38395	39095	39670	40095	40320	40445	7%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

UMES

Undergraduate													
	Full-time	3658	3700	3757	3777	3836	3868	3914	3978	4007	4047	4090	12%
	Part-time	309	307	309	318	328	337	347	356	363	371	374	21%
Total Undergraduate		3967	4007	4066	4095	4164	4205	4261	4334	4370	4418	4464	13%
Graduate													
	Full-time	302	303	309	314	319	325	330	335	340	346	352	17%
	Part-time	271	282	283	286	289	292	296	302	307	312	316	17%
Total Graduate		573	585	592	600	608	617	626	637	647	658	668	17%
Total Headcount		4540	4592	4658	4695	4772	4822	4887	4971	5017	5076	5132	13%

UMUC

Undergraduate													
	Full-time	3649	3758	3871	3987	4107	4271	4442	4620	4851	5093	5348	47%
	Part-time	22037	22698	23379	24080	24803	25795	26827	27900	29295	30760	32298	47%
Total Undergraduate		25686	26456	27250	28067	28910	30066	31269	32520	34146	35853	37646	47%
Graduate													
	Full-time	286	295	303	313	322	335	348	362	380	399	419	47%
	Part-time	13605	14013	14434	14867	15313	15925	16562	17225	18086	18990	19940	47%
Total Graduate		13891	14308	14737	15180	15635	16260	16910	17587	18466	19389	20359	47%
Total Headcount		39577	40764	41987	43247	44545	46326	48179	50107	52612	55242	58005	47%

TOTAL SYSTEM OF MD.

Undergraduate													
	Full-time	76950	76980	78274	78807	80108	81456	82785	84292	85270	86227	87171	13%
	Part-time	31633	32217	33028	34055	35089	36394	37689	39020	40655	42305	43946	39%
Total Undergraduate		108583	109197	111302	112862	115197	117850	120474	123312	125925	128532	131117	21%
Graduate													
	Full-time	17104	16794	17156	17355	17599	17883	18142	18358	18491	18645	18766	10%
	Part-time	26894	27448	28040	28626	29246	29986	30829	31714	32775	33853	34945	30%
Total Graduate		43998	44242	45196	45981	46845	47869	48971	50072	51266	52498	53711	22%
Total Headcount		152581	153439	156498	158843	162042	165719	169445	173384	177191	181030	184828	21%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

Morgan State												
Undergraduate												
	Full-time	5901	6007	6113	6220	6326	6432	6538	6644	6751	6857	6963	18%
	Part-time	721	739	757	775	793	811	829	847	865	883	901	25%
Total Undergraduate		6622	6746	6870	6995	7119	7243	7367	7491	7616	7740	7864	19%
Graduate													
	Full-time	623	636	648	661	673	686	698	711	723	736	748	20%
	Part-time	560	573	586	599	612	625	637	650	663	676	689	23%
Total Graduate		1183	1209	1234	1260	1285	1311	1335	1361	1386	1412	1437	21%
Total Headcount		7805	7955	8104	8255	8404	8554	8702	8852	9002	9152	9301	19%

St. Mary's College												
Undergraduate												
	Full-time	1904	1904	1904	1904	1904	1904	1904	1904	1904	1904	1904	0%
	Part-time	78	78	78	78	78	78	78	78	78	78	78	0%
Total Undergraduate		1982	1982	1982	1982	1982	1982	1982	1982	1982	1982	1982	0%
Graduate													
	Full-time	35	35	35	35	35	35	35	35	35	35	35	0%
	Part-time	0	0	0	0	0	0	0	0	0	0	0	0%
Total Graduate		35	35	35	35	35	35	35	35	35	35	35	0%
Total Headcount		2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	0%

TOTAL 4-YEAR PUBLIC												
Undergraduate												
	Full-time	84755	84891	86291	86931	88338	89792	91227	92840	93925	94988	96038	13%
	Part-time	32432	33034	33863	34908	35960	37283	38596	39945	41598	43266	44925	39%
Total Undergraduate		117187	117925	120154	121839	124298	127075	129823	132785	135523	138254	140963	20%
Graduate													
	Full-time	17762	17465	17839	18051	18307	18604	18875	19104	19249	19416	19549	10%
	Part-time	27454	28021	28626	29225	29858	30611	31466	32364	33438	34529	35634	30%
Total Graduate		45216	45486	46465	47276	48165	49215	50341	51468	52687	53945	55183	22%
Total Headcount		162403	163411	166619	169115	172463	176290	180164	184253	188210	192199	196146	21%

PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2011 - 2020

College	FY10 actual	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	Percent Change FY10-FY20
Allegany	696	715	720	725	730	735	739	745	751	757	762	10%
Anne Arundel	4,002	3,944	3,989	4,034	4,080	4,125	4,172	4,210	4,250	4,289	4,328	8%
Baltimore City	2,248	2,268	2,277	2,288	2,297	2,307	2,316	2,334	2,351	2,369	2,386	6%
Baltimore County	4,840	4,955	4,969	4,983	4,998	5,012	5,027	5,038	5,049	5,059	5,070	5%
Carroll	620	647	665	684	703	722	742	760	777	795	813	31%
Cecil	592	605	615	626	636	646	656	666	676	686	695	17%
Chesapeake	849	893	903	912	922	931	941	950	960	970	980	15%
Frederick	319	318	328	338	348	359	369	381	393	404	417	31%
Garrett	149	152	152	152	152	152	151	151	150	150	149	0%
Hagerstown	689	704	712	720	729	737	744	753	762	770	778	13%
Harford	1,104	1,173	1,176	1,180	1,183	1,187	1,190	1,187	1,184	1,200	1,217	10%
Howard	1,452	1,474	1,490	1,506	1,522	1,538	1,554	1,560	1,565	1,571	1,576	9%
Montgomery	2,814	2,822	2,884	2,948	3,013	3,079	3,146	3,213	3,280	3,350	3,420	22%
Prince George's	4,104	4,166	4,210	4,253	4,297	4,342	4,386	4,435	4,483	4,531	4,579	12%
Southern Maryland	646	708	716	725	733	742	750	759	767	776	784	21%
Wor-Wic	643	656	667	678	689	700	712	723	735	748	760	18%
SYSTEMWIDE	25,767	26,201	26,474	26,752	27,033	27,314	27,595	27,864	28,133	28,422	28,714	11%

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

	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	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY Projected	% Change 11-20
Allegany College of Md.											
FTES	2,712	2,728	2,765	2,779	2,878	2,926	2,943	3,006	3,031	3,087	14%
FTDES	1,717									1,954	14%
Anne Arundel CC											
FTES	11,046	11,222	11,331	11,459	11,837	12,014	12,148	12,341	12,434	12,781	16%
FTDES	7,120									8,239	16%
Baltimore City CC											
FTES	5,118	5,238	5,339	5,450	5,706	5,847	5,963	6,097	6,281	6,471	26%
FTDES	2,293									2,899	26%
Carroll CC											
FTES	2,751	2,815	2,885	2,932	3,048	3,104	3,140	3,189	3,226	3,338	21%
FTDES	1,981									2,404	21%
CCBC											
FTES	16,635	17,008	17,280	17,629	18,271	18,604	18,939	19,515	19,739	20,297	22%
FTDES	10,712									13,070	22%
Catonsville											
FTDES	4,553									5,554	22%
Dundalk											
FTDES	1,607									1,960	22%
Essex											
FTDES	4,553									5,554	22%
Cecil CC											
FTES	1,731	1,753	1,772	1,795	1,862	1,895	1,917	1,963	1,985	2,039	18%
FTDES	1,065									1,254	18%
Chesapeake CC											
FTES	1,813	1,846	1,880	1,910	1,987	2,026	2,057	2,090	2,121	2,199	21%
FTDES	1,030									1,250	21%

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

Frederick CC

FTES	4,292	4,371	4,422	4,477	4,643	4,707	4,771	4,898	4,949	5,033	17%
FTDES	2,283									2,677	17%

Garrett

FTES	714	723	738	743	767	777	786	799	816	830	16%
FTDES	490									570	16%

Hagerstown CC

FTES	3,183	3,260	3,308	3,365	3,493	3,564	3,624	3,746	3,834	3,919	23%
FTDES	1,813									2,232	23%

Harford CC

FTES	4,691	4,789	4,872	4,944	5,146	5,241	5,313	5,432	5,515	5,653	21%
FTDES	3,500									4,218	21%

Howard CC

FTES	6,291	6,457	6,572	6,689	6,918	7,042	7,215	7,446	7,524	7,690	22%
FTDES	4,312									5,271	22%

Montgomery

FTES	17,743	17,950	18,100	18,202	18,373	18,526	18,695	18,991	19,076	19,247	8%
FTDES	12,552									13,616	8%

Rockville

FTDES	7,029		7,591	8%

Takoma Park

FTDES	2,887		3,118	8%

Germantown

FTDES	2,636		2,847	8%

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

Prince George's CC											
FTES	9,603	9,815	10,002	10,216	10,659	10,941	11,144	11,698	11,865	12,156	27%
FTDES	5,533									7,004	27%
So Md.											
FTES	5,324	5,439	5,503	5,548	5,745	5,833	5,895	5,993	6,041	6,195	16%
FTDES	3,193									3,716	16%
LaPlata/Waldorf											
FTDES	2,012									2,344	17%
Prince Frederick											
FTDES	639									741	16%
Leonardtown											
FTDES	543									624	15%
Wor-Wic CC											
FTES	2,640	2,715	2,770	2,840	2,916	2,961	3,029	3,118	3,163	3,234	23%
FTDES	1,692									2,073	23%
Total Community Colleges											
FTES	96,287	98,129	99,539	100,978	104,249	106,008	107,579	110,322	111,600	114,169	19%
FTDES	61,286									72,447	18%

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

	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	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY Projected	% Change 11-20
Bowie											
FTES	4596	4657	4690	4764	4808	4868	4947	4987	5043	5095	11%
FTDES	3446									3820	11%
Coppin											
Total Headcount	3837	3881	3917	3985	4029	4089	4158	4201	4252	4293	13%
FTES	3110	3151	3173	3224	3254	3296	3348	3376	3412	3447	11%
FTDES	2080									2306	11%
Frostburg											
Total Headcount	5536	5615	5660	5753	5810	5890	5991	6047	6119	6186	13%
FTES	4774	4847	4881	4959	5006	5071	5156	5199	5257	5315	11%
FTDES	3774									4202	11%
Salisbury											
FTES	7737	7886	7956	8103	8197	8322	8479	8568	8681	8797	14%
FTDES	6352									7222	14%
Towson											
FTES	18109	18339	18441	18706	18852	19067	19351	19487	19678	19863	10%
FTDES	15073									16533	10%
University of Baltimore											
FTES	4576	4796	5050	5305	5557	5659	5794	5920	5991	6081	33%
FTDES	2211									2938	33%
UMB											
FTES	6242	6252	6308	6416	6536	6659	6752	6766	6781	6806	9%
FTDES	5485									5981	9%

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

UMBC

FTES	10471	10628	10716	10895	11008	11159	11351	11457	11595	11730	12%
FTDES	8781									9837	12%

UMCP

FTES	30500	31066	31135	31453	32120	32694	33182	33531	33740	33841	11%
FTDES	26914									29862	11%

UMES

FTES	4064	4126	4154	4220	4261	4315	4387	4423	4472	4522	11%
FTDES	3469									3860	11%

UMUC

FTES	21996	22656	23336	24037	24998	25997	27038	28390	29808	31300	42%
FTDES	n/a									n/a	n/a

TOTAL SYSTEM OF MD.

FTES	116175	118404	119840	122082	124597	127107	129785	132104	134458	136797	18%
FTDES (except UMUC)	77585									86561	12%

Morgan State

FTES	7134	7263	7394	7524	7654	7783	7913	8044	8174	8303	16%
FTDES	5521									6426	16%

St. Mary's College

FTES	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	0%
FTDES	1778									1778	0%

TOTAL 4-YEAR PUBLIC

FTES	125326	127684	129251	131623	134268	136907	139715	142165	144649	147117	17%
FTDES (except UMUC)	84884									94765	12%

MARYLAND HIGHER EDUCATION COMMISSION
Enrollment Projection Model - Community Colleges

These are the assumptions and steps used in projecting the headcount enrollments at Maryland's public 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 2020 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 2020 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 2020 (FY 2021).

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 2020.

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 2020 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.

MARYLAND HIGHER EDUCATION COMMISSION
Enrollment Projection Model - Four Year Colleges and Universities

These are the assumptions and steps used in projecting the headcount enrollments at 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 2018 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 2020 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 2020 (FY 2021).

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 2020. 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.