



Enrollment Projections

2018 – 2027

Maryland Public Colleges and Universities

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Lawrence J. Hogan, Jr.
Governor

Boyd K. Rutherford
Lt. Governor

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ENROLLMENT PROJECTIONS - MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

The Maryland Higher Education Commission has prepared enrollment projections for Maryland public colleges and universities through Fall 2027. The projections include headcount projections for each 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 have also been developed for state-funding-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 use the Commission's forecasts 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 to demographic and economic factors.

Historically, the models have been highly accurate. The Commission's one-year forecast last year of 311,497 students proved to be 97.2% accurate. While the Commission's forecast for four-year colleges and universities was 99.5% accurate, the forecast for community colleges was only 93.9% accurate, overstating the number of students by 7,743. The ten-year accuracy rate is similarly reliable. The accuracy rate of the Commission's 2008 headcount projection was 96.7%, with a projected enrollment of 322,063 compared to an actual enrollment of 302,893, a difference of 19,170 students. The projection was least accurate in projecting the number of community college students, overestimating it by 22,799 students (an accuracy rate of 89.2%). Despite this variance, the overall forecast for undergraduate students was 97.8% accurate (272,526, compared to an actual enrollment of 259,624, a difference of 12,902 students). The Commission's forecasting model remains exceptionally reliable.

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 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 historical trends, although the recent market share and growth rate of each campus and institution-provided projections were also considered.

Highlights of the Enrollment Projections

- Total headcount credit enrollment at Maryland public colleges and universities is projected to be 307,851 in Fall 2018, an increase of 2% (4,958 students) over Fall 2017 actual enrollment.
- Total headcount credit enrollment at Maryland public colleges and universities is projected to be 366,136 in Fall 2027, an increase of 21% (63,243 students) over Fall 2017. Total enrollment at community colleges is expected to increase by 28% (32,877 students) from Fall 2017 to Fall 2027, and enrollment at public four-year colleges and universities is projected to increase by 16% (30,366 students) during the same period.
- These projections are lower than comparable projections published last year by the Commission. While enrollment is expected to grow at a similar rate, the projections are lower because actual enrollments were lower in Fall 2017 than in Fall 2016. The number of high school graduates is expected to grow slowly for the next six years, with a small bubble of graduates expected in 2024-2026. The decline anticipated in 2027 will be offset by projected increases in population and income.
- Undergraduate enrollment is projected to grow by 54,361 students by 2027, an increase of 21%, reaching a total of 313,985. MHEC projects that the number of full-time undergraduate students at community colleges will grow at a higher rate than the number of part-time students. Full-time enrollment at community colleges is expected to increase to 51,977, an increase of 13,854 or 36%, while part-time student enrollments are expected to grow to 99,272, an increase of 19,023 students or 24%. This will increase the percentage of full-time students at community colleges from 32% to 34% by Fall 2027. At public four-year institutions, on the other hand, undergraduate enrollment will shift slightly in the direction of part-time students. Full-time undergraduate enrollment is projected to increase by 10% (to 102,868 students, an increase of 9,166), while part-time undergraduate enrollment is expected to grow by 26% (to 58,868 students, an increase of 12,318). This is expected to reduce the percentage of full-time undergraduates from 66% to 63% at four-year institutions.
- Graduate and professional student enrollment is expected to grow to 52,151 students by 2027, an increase of 8,882 (21%). The number of full-time graduate students is projected to grow by 10% (1,899 students) to 20,562, and the number of part-time students is expected to increase by 28% (6,983 students) to 31,589.
- Full-time equivalent enrollment (FTE) and full-time day equivalent enrollment (FTDE) at community colleges are expected to grow at a similar pace between Fall 2017 and Fall 2027. FTEs are expected to reach 102,547, an increase of 25,947 or 34%, and FTDEs are projected to rise to 67,170, an increase of 17,055 or 32%. At public four-year institutions, FTEs are projected to reach 161,313, an increase of 19,492 or 14%, while FTDEs are expected to total 96,373, an increase of 8,627 or 9%. (The University of Maryland University College is not included in the FTDE projection.)
- State-funded noncredit FTE continuing education enrollment at the community colleges is projected to increase by 8% to 26,571 by FY 2027, an increase of 1,999 equivalent students compared to FY 2017.

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 17 Projected	% Change 17-27
Bowie													
Undergraduate													
	Full-time	4,389	4,414	4,469	4,555	4,625	4,677	4,689	4,792	4,822	4,860	4,900	12%
	Part-time	798	802	812	818	831	839	842	845	847	850	854	7%
Total Undergraduate		5,187	5,216	5,281	5,373	5,456	5,516	5,531	5,637	5,669	5,710	5,754	11%
Graduate													
	Full-time	409	412	416	417	418	423	427	429	435	438	447	9%
	Part-time	552	574	585	594	604	612	621	629	637	638	639	16%
Total Graduate		961	986	1,001	1,011	1,022	1,035	1,048	1,058	1,072	1,076	1,086	13%
Total Headcount		6,148	6,202	6,282	6,384	6,478	6,551	6,579	6,695	6,741	6,786	6,840	11%
Coppin													
Undergraduate													
	Full-time	1,854	1,855	1,869	1,895	1,915	1,926	1,921	1,953	1,956	1,961	1,967	6%
	Part-time	653	656	664	669	680	686	689	691	693	696	700	7%
Total Undergraduate		2,507	2,511	2,533	2,564	2,595	2,612	2,610	2,644	2,649	2,657	2,667	6%
Graduate													
	Full-time	150	152	153	154	155	157	159	160	161	162	163	9%
	Part-time	236	246	250	254	259	262	266	270	273	274	275	17%
Total Graduate		386	398	403	408	414	419	425	430	434	436	438	13%
Total Headcount		2,893	2,909	2,936	2,972	3,009	3,031	3,035	3,074	3,083	3,093	3,105	7%
Frostburg													
Undergraduate													
	Full-time	3,849	3,846	3,869	3,918	3,953	3,972	3,956	4,017	4,017	4,023	4,030	5%
	Part-time	876	881	893	900	915	925	929	933	935	937	939	7%
Total Undergraduate		4,725	4,727	4,762	4,818	4,868	4,897	4,885	4,950	4,952	4,960	4,969	5%
Graduate													
	Full-time	176	177	178	178	179	181	183	184	187	188	189	7%
	Part-time	495	515	526	535	544	552	559	567	575	576	578	17%
Total Graduate		671	692	704	713	723	733	742	751	762	764	767	14%
Total Headcount		5,396	5,419	5,466	5,531	5,591	5,630	5,627	5,701	5,714	5,724	5,736	6%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 17 Projected	% Change 17-27
Salisbury													
Undergraduate													
	Full-time	7,191	7,196	7,279	7,397	7,489	7,550	7,547	7,690	7,715	7,754	7,794	8%
	Part-time	591	593	600	603	613	618	619	621	623	625	627	6%
Total Undergraduate		7,782	7,789	7,879	8,000	8,102	8,168	8,166	8,311	8,338	8,379	8,421	8%
Graduate													
	Full-time	520	527	534	537	542	551	559	564	574	577	580	12%
	Part-time	412	429	438	446	454	461	468	475	482	484	485	18%
Total Graduate		932	956	972	983	996	1,012	1,027	1,039	1,056	1,061	1,065	14%
Total Headcount		8,714	8,745	8,851	8,983	9,098	9,180	9,193	9,350	9,394	9,440	9,486	9%
Towson													
Undergraduate													
	Full-time	17,106	17,114	17,236	17,474	17,650	17,752	17,704	17,997	18,015	18,063	18,114	6%
	Part-time	2,490	2,501	2,530	2,546	2,586	2,609	2,617	2,624	2,626	2,630	2,635	6%
Total Undergraduate		19,596	19,615	19,766	20,020	20,236	20,361	20,321	20,621	20,641	20,693	20,749	6%
Graduate													
	Full-time	1,068	1,079	1,089	1,093	1,099	1,112	1,126	1,133	1,148	1,152	1,153	8%
	Part-time	2,041	2,122	2,160	2,191	2,225	2,254	2,283	2,310	2,338	2,341	2,344	15%
Total Graduate		3,109	3,201	3,249	3,284	3,324	3,366	3,409	3,443	3,486	3,493	3,497	12%
Total Headcount		22,705	22,816	23,015	23,304	23,560	23,727	23,730	24,064	24,127	24,186	24,246	7%
University of Baltimore													
Undergraduate													
	Full-time	1,716	1,715	1,726	1,749	1,765	1,774	1,767	1,795	1,796	1,799	1,803	5%
	Part-time	1,233	1,237	1,250	1,257	1,276	1,286	1,289	1,290	1,291	1,294	1,297	5%
Total Undergraduate		2,949	2,952	2,976	3,006	3,041	3,060	3,056	3,085	3,087	3,093	3,100	5%
Graduate													
	Full-time	1,084	1,091	1,097	1,097	1,099	1,108	1,118	1,120	1,131	1,137	1,145	6%
	Part-time	1,532	1,593	1,621	1,645	1,671	1,692	1,714	1,735	1,756	1,758	1,761	15%
Total Graduate		2,616	2,684	2,718	2,742	2,770	2,800	2,832	2,855	2,887	2,895	2,906	11%
Total Headcount		5,565	5,636	5,694	5,748	5,811	5,860	5,888	5,940	5,974	5,988	6,006	8%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 17 Projected	% Change 17-27
UMB													
Undergraduate													
	Full-time	718	720	726	737	746	752	751	765	767	771	774	8%
	Part-time	211	212	215	216	220	222	223	224	225	226	227	8%
Total Undergraduate		929	932	941	953	966	974	974	989	992	997	1,001	8%
Graduate													
	Full-time	4,514	4,608	4,681	4,724	4,778	4,864	4,954	5,011	5,110	5,135	5,160	14%
	Part-time	1,260	1,317	1,347	1,373	1,402	1,427	1,452	1,478	1,503	1,512	1,522	21%
Total Graduate		5,774	5,925	6,028	6,097	6,180	6,291	6,406	6,489	6,613	6,647	6,682	16%
Total Headcount		6,703	6,857	6,969	7,050	7,146	7,265	7,380	7,478	7,605	7,644	7,683	15%
UMBC													
Undergraduate													
	Full-time	9,543	9,541	9,602	9,728	9,819	9,869	9,836	9,991	9,994	10,014	10,035	5%
	Part-time	1,691	1,696	1,714	1,722	1,747	1,760	1,764	1,766	1,771	1,776	1,783	5%
Total Undergraduate		11,234	11,237	11,316	11,450	11,566	11,629	11,600	11,757	11,765	11,790	11,818	5%
Graduate													
	Full-time	1,126	1,136	1,147	1,150	1,156	1,169	1,183	1,189	1,202	1,209	1,214	8%
	Part-time	1,302	1,352	1,375	1,394	1,415	1,432	1,448	1,465	1,481	1,482	1,482	14%
Total Graduate		2,428	2,488	2,522	2,544	2,571	2,601	2,631	2,654	2,683	2,691	2,696	11%
Total Headcount		13,662	13,725	13,838	13,994	14,137	14,230	14,231	14,411	14,448	14,481	14,514	6%
UMCP													
Undergraduate													
	Full-time	27,708	27,965	28,413	29,060	29,612	30,042	30,210	30,999	31,304	31,662	32,034	16%
	Part-time	2,160	2,169	2,193	2,206	2,240	2,258	2,265	2,269	2,271	2,274	2,282	6%
Total Undergraduate		29,868	30,134	30,606	31,266	31,852	32,300	32,475	33,268	33,575	33,936	34,316	15%
Graduate													
	Full-time	8,107	8,203	8,298	8,339	8,402	8,517	8,639	8,704	8,808	8,846	8,883	10%
	Part-time	2,546	2,651	2,701	2,741	2,786	2,826	2,865	2,903	2,941	2,947	2,955	16%
Total Graduate		10,653	10,854	10,999	11,080	11,188	11,343	11,504	11,607	11,749	11,793	11,838	11%
Total Headcount		40,521	40,988	41,605	42,346	43,040	43,643	43,979	44,875	45,324	45,729	46,154	14%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 17 Projected	% Change 17-27
UMES													
Undergraduate													
	Full-time	2,573	2,566	2,577	2,604	2,622	2,629	2,634	2,649	2,644	2,643	2,642	3%
	Part-time	288	289	292	294	298	301	302	304	306	308	310	8%
Total Undergraduate		2,861	2,855	2,869	2,898	2,920	2,930	2,936	2,953	2,950	2,951	2,952	3%
Graduate													
	Full-time	414	417	421	422	423	427	432	434	439	442	447	8%
	Part-time	215	224	229	232	237	240	244	247	251	252	253	18%
Total Graduate		629	641	650	654	660	667	676	681	690	694	700	11%
Total Headcount		3,490	3,496	3,519	3,552	3,580	3,597	3,612	3,634	3,640	3,645	3,652	5%
UMUC													
Undergraduate													
	Full-time	9,714	9,775	9,902	10,097	10,259	10,378	10,411	10,644	10,717	10,809	10,902	12%
	Part-time	35,890	36,922	38,239	39,410	40,998	42,355	43,519	44,669	45,785	46,604	47,499	32%
Total Undergraduate		45,604	46,697	48,141	49,507	51,257	52,733	53,930	55,313	56,502	57,413	58,401	28%
Graduate													
	Full-time	85	86	87	87	87	88	89	90	91	92	93	9%
	Part-time	13,690	14,498	15,033	15,534	16,073	16,584	17,108	17,640	18,185	18,546	18,914	38%
Total Graduate		13,775	14,584	15,120	15,621	16,160	16,672	17,197	17,730	18,276	18,638	19,007	38%
Total Headcount		59,379	61,281	63,261	65,128	67,417	69,405	71,127	73,043	74,778	76,051	77,408	30%
TOTAL SYSTEM OF MD.													
Undergraduate													
	Full-time	86,361	86,707	87,668	89,214	90,455	91,321	91,426	93,292	93,747	94,359	94,995	10%
	Part-time	46,881	47,958	49,402	50,641	52,404	53,859	55,058	56,236	57,373	58,220	59,153	26%
Total Undergraduate		133,242	134,665	137,070	139,855	142,859	145,180	146,484	149,528	151,120	152,579	154,148	16%
Graduate													
	Full-time	17,653	17,888	18,101	18,198	18,338	18,597	18,869	19,018	19,286	19,378	19,474	10%
	Part-time	24,281	25,521	26,265	26,939	27,670	28,342	29,028	29,719	30,422	30,810	31,208	29%
Total Graduate		41,934	43,409	44,366	45,137	46,008	46,939	47,897	48,737	49,708	50,188	50,682	21%
Total Headcount		175,176	178,074	181,436	184,992	188,867	192,119	194,381	198,265	200,828	202,767	204,830	17%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 17 Projected	% Change 17-27
Morgan State													
Undergraduate													
	Full-time	5,825	5,837	5,887	5,978	6,048	6,092	6,085	6,195	6,211	6,237	6,265	8%
	Part-time	615	617	624	628	638	643	645	648	651	654	657	7%
Total Undergraduate		6,440	6,454	6,511	6,606	6,686	6,735	6,730	6,843	6,862	6,891	6,922	7%
Graduate													
	Full-time	982	991	1,001	1,004	1,009	1,021	1,034	1,039	1,043	1,054	1,057	8%
	Part-time	325	338	345	350	356	361	366	371	376	379	382	18%
Total Graduate		1,307	1,329	1,346	1,354	1,365	1,382	1,400	1,410	1,419	1,433	1,439	10%
Total Headcount		7,747	7,783	7,857	7,960	8,051	8,117	8,130	8,253	8,281	8,324	8,361	8%
St. Mary's College													
Undergraduate													
	Full-time	1,516	1,517	1,528	1,549	1,565	1,575	1,571	1,597	1,599	1,604	1,608	6%
	Part-time	54	54	55	55	56	57	57	58	58	58	58	7%
Total Undergraduate		1,570	1,571	1,583	1,604	1,621	1,632	1,628	1,655	1,657	1,662	1,666	6%
Graduate													
	Full-time	28	28	29	29	29	29	30	30	30	30	30	7%
	Part-time	0	0	0	0	0	0	0	0	0	0	0	0%
Total Graduate		28	28	29	29	29	29	30	30	30	30	30	7%
Total Headcount		1,598	1,599	1,612	1,633	1,650	1,661	1,658	1,685	1,687	1,692	1,696	6%
TOTAL 4-YEAR PUBLIC													
Undergraduate													
	Full-time	93,702	94,061	95,083	96,741	98,068	98,988	99,082	101,084	101,557	102,200	102,868	10%
	Part-time	47,550	48,629	50,081	51,324	53,098	54,559	55,760	56,942	58,082	58,932	59,868	26%
Total Undergraduate		141,252	142,690	145,164	148,065	151,166	153,547	154,842	158,026	159,639	161,132	162,736	15%
Graduate													
	Full-time	18,663	18,907	19,131	19,231	19,376	19,647	19,933	20,087	20,359	20,462	20,561	10%
	Part-time	24,606	25,859	26,610	27,289	28,026	28,703	29,394	30,090	30,798	31,189	31,590	28%
Total Graduate		43,269	44,766	45,741	46,520	47,402	48,350	49,327	50,177	51,157	51,651	52,151	21%
Total Headcount		184,521	187,456	190,905	194,585	198,568	201,897	204,169	208,203	210,796	212,783	214,887	16%

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

	4,389	4,414	4,469	4,555	4,625	4,677	4,689	4,792	4,822	4,860	4,900
	798	802	812	818	831	839	842	845	847	850	854
	Projected										
Bowie											
FTES	5,171	5,236	5,326	5,403	5,464	5,483	5,590	5,628	5,669	5,719	11%
FTDES	4,193									4,637	11%
Coppin											
FTES	2,291	2,310	2,339	2,365	2,381	2,381	2,415	2,421	2,428	2,437	7%
FTDES	1,468									1,562	6%
Frostburg											
FTES	4,286	4,317	4,369	4,411	4,437	4,427	4,490	4,496	4,504	4,512	5%
FTDES	3,546									3,733	5%
Salisbury											
FTES	7,903	7,997	8,119	8,220	8,292	8,300	8,448	8,485	8,528	8,571	9%
FTDES	6,607									7,165	8%
Towson											
FTES	18,933	19,081	19,329	19,527	19,654	19,633	19,932	19,973	20,025	20,078	6%
FTDES	15,428									16,361	6%
University of Baltimore											
FTES	3,674	3,704	3,736	3,769	3,797	3,808	3,844	3,863	3,874	3,887	7%
FTDES	1,692									1,790	6%

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

	4,389	4,414	4,469	4,555	4,625	4,677	4,689	4,792	4,822	4,860	4,900
	798	802	812	818	831	839	842	845	847	850	854
	Projected										
UMB											
FTES	6,948	7,055	7,130	7,218	7,338	7,454	7,550	7,680	7,719	7,756	14%
FTDES	5,909									6,596	12%
UMBC											
FTES	11,168	11,250	11,382	11,489	11,559	11,547	11,707	11,729	11,757	11,784	6%
FTDES	9,477									10,000	6%
UMCP											
FTES	34,745	35,268	35,917	36,507	37,026	37,306	38,105	38,493	38,860	39,241	14%
FTDES	30,399									34,333	13%
UMES											
FTES	3,293	3,312	3,343	3,366	3,379	3,391	3,411	3,413	3,416	3,421	4%
FTDES	2,598									2,699	4%
UMUC											
FTES	36,536	37,544	38,562	39,741	40,746	41,553	42,629	43,478	44,136	44,833	26%
FTDES	n/a									n/a	n/a
TOTAL SYSTEM OF MD.											
FTES	134,948	137,074	139,552	142,016	144,073	145,283	148,121	149,659	150,916	152,239	14%
FTDES (except UMUC)	81,317									88,876	9%

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

	4,389	4,414	4,469	4,555	4,625	4,677	4,689	4,792	4,822	4,860	4,900
	798	802	812	818	831	839	842	845	847	850	854
	Projected										
Morgan State											
FTES	6,876	6,938	7,032	7,109	7,166	7,174	7,287	7,309	7,347	7,378	8%
FTDES	5,552									5,957	7%
St. Mary's College											
FTES	1,599	1,612	1,633	1,650	1,661	1,658	1,685	1,687	1,692	1,696	6%
FTDES	1,452									1,540	6%
TOTAL 4-YEAR PUBLIC											
FTES	143,423	145,624	148,217	150,775	152,900	154,115	157,093	158,655	159,955	161,313	14%
FTDES (except UMUC)	88,321									96,373	9%

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 ten 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 ten-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 2027 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 ten 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 2027 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 2027 (FY 2028).
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 2027. 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.

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 17-27
Allegany College of Md.												
Full-time	1,248	3,929	3,977	4,088	4,204	4,348	4,469	4,657	4,831	5,004	5,221	318%
Part-time	9,539	9,557	9,823	10,035	10,237	10,474	10,729	10,954	11,132	11,288	11,545	21%
Total Headcount	10,787	13,486	13,800	14,123	14,441	14,822	15,198	15,611	15,963	16,292	16,766	55%
Anne Arundel CC												
Full-time	3,815	3,929	3,977	4,088	4,204	4,348	4,469	4,657	4,831	5,004	5,221	37%
Part-time	9,539	9,557	9,823	10,035	10,237	10,474	10,729	10,954	11,132	11,288	11,545	21%
Total Headcount	13,354	13,486	13,800	14,123	14,441	14,822	15,198	15,611	15,963	16,292	16,766	26%
Baltimore City CC												
Full-time	1,287	1,328	1,342	1,382	1,420	1,467	1,508	1,569	1,629	1,689	1,746	36%
Part-time	2,206	2,215	2,280	2,328	2,380	2,440	2,489	2,562	2,616	2,660	2,717	23%
Total Headcount	3,493	3,543	3,622	3,710	3,800	3,907	3,997	4,131	4,245	4,349	4,463	28%
Carroll CC												
Full-time	997	1,039	1,049	1,073	1,100	1,134	1,162	1,208	1,236	1,278	1,332	34%
Part-time	2,012	2,026	2,085	2,138	2,184	2,237	2,295	2,345	2,411	2,448	2,465	23%
Total Headcount	3,009	3,065	3,134	3,211	3,284	3,371	3,457	3,553	3,647	3,726	3,797	26%
CC Baltimore County												
Full-time	5,408	5,531	5,570	5,757	5,888	6,059	6,197	6,425	6,672	6,875	7,058	31%
Part-time	13,941	13,951	14,392	14,712	15,065	15,469	15,903	16,298	16,769	17,069	17,527	26%
Total Headcount	19,349	19,482	19,962	20,469	20,953	21,528	22,100	22,723	23,441	23,944	24,585	27%
Cecil												
Full-time	867	895	904	925	951	983	1,009	1,051	1,095	1,133	1,178	36%
Part-time	1,601	1,623	1,672	1,701	1,740	1,784	1,832	1,875	1,916	1,948	1,983	24%
Total Headcount	2,468	2,518	2,576	2,626	2,691	2,767	2,841	2,926	3,011	3,081	3,161	28%
Chesapeake												
Full-time	580	606	612	621	638	659	677	704	724	749	786	36%
Part-time	1,609	1,619	1,665	1,690	1,725	1,766	1,810	1,848	1,891	1,918	1,957	22%
Total Headcount	2,189	2,225	2,277	2,311	2,363	2,425	2,487	2,552	2,615	2,667	2,743	25%
College of Southern Md.												
Full-time	2,642	2,777	2,804	2,829	2,904	2,999	3,078	3,202	3,313	3,427	3,565	35%
Part-time	4,559	4,659	4,786	4,855	4,949	5,060	5,179	5,285	5,380	5,452	5,485	20%
Total Headcount	7,201	7,436	7,590	7,684	7,853	8,059	8,257	8,487	8,693	8,879	9,050	26%
Frederick CC												
Full-time	2,027	2,134	2,163	2,205	2,271	2,353	2,423	2,530	2,665	2,764	2,836	40%
Part-time	4,193	4,328	4,465	4,597	4,733	4,886	4,986	5,203	5,340	5,463	5,608	34%
Total Headcount	6,220	6,462	6,628	6,802	7,004	7,239	7,409	7,733	8,005	8,227	8,444	36%

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 17 FY 18 Actual	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 17-27
Garrett												
Full-time	472	475	477	482	490	501	537	524	539	552	565	20%
Part-time	149	150	154	157	160	164	168	172	176	179	183	23%
Total Headcount	621	625	631	639	650	665	705	696	715	731	748	20%
Hagerstown CC												
Full-time	999	1,028	1,041	1,065	1,096	1,133	1,165	1,214	1,266	1,312	1,367	37%
Part-time	3,070	3,080	3,165	3,222	3,285	3,360	3,440	3,511	3,589	3,637	3,700	21%
Total Headcount	4,069	4,108	4,206	4,287	4,381	4,493	4,605	4,725	4,855	4,949	5,067	25%
Harford CC												
Full-time	2,185	2,273	2,300	2,371	2,437	2,520	2,590	2,698	2,802	2,903	3,000	37%
Part-time	3,924	3,968	4,084	4,145	4,235	4,339	4,452	4,552	4,637	4,710	4,824	23%
Total Headcount	6,109	6,241	6,384	6,516	6,672	6,859	7,042	7,250	7,439	7,613	7,824	28%
Howard CC												
Full-time	3,418	3,614	3,660	3,762	3,870	4,004	4,118	4,294	4,493	4,657	4,761	39%
Part-time	6,058	6,215	6,397	6,592	6,769	6,971	7,149	7,386	7,562	7,717	7,902	30%
Total Headcount	9,476	9,829	10,057	10,354	10,639	10,975	11,267	11,680	12,055	12,374	12,663	34%
Montgomery												
Full-time	8,060	8,346	8,479	8,853	9,105	9,422	9,690	10,104	10,428	10,816	11,211	39%
Part-time	14,815	14,843	15,259	15,603	15,921	16,292	16,691	17,045	17,359	17,606	17,964	21%
Total Headcount	22,875	23,189	23,738	24,456	25,026	25,714	26,381	27,149	27,787	28,422	29,175	28%
Prince George's CC												
Full-time	3,320	3,417	3,466	3,569	3,673	3,807	3,918	4,093	4,331	4,483	4,627	39%
Part-time	8,793	8,817	9,045	9,182	9,350	9,544	9,769	9,937	10,335	10,348	10,467	19%
Total Headcount	12,113	12,234	12,511	12,751	13,023	13,351	13,687	14,030	14,666	14,831	15,094	25%
Wor-Wic CC												
Full-time	798	832	851	885	919	959	1,008	1,046	1,099	1,148	1,201	51%
Part-time	2,311	2,356	2,451	2,531	2,613	2,705	2,769	2,896	2,980	3,057	3,145	36%
Total Headcount	3,109	3,188	3,302	3,416	3,532	3,664	3,777	3,942	4,079	4,205	4,346	40%
Total Community Colleges												
Full-time	38,123	42,153	42,672	43,955	45,170	46,696	48,018	49,976	51,954	53,794	55,675	46%
Part-time	88,319	88,964	91,546	93,523	95,583	97,965	100,390	102,823	105,225	106,788	109,017	23%
Total Headcount	126,442	131,117	134,218	137,478	140,753	144,661	148,408	152,799	157,179	160,582	164,692	30%

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

	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 18-27
Allegany College of Md.											
FTES	1,729	1,746	1,766	1,796	1,835	1,945	1,933	1,991	2,039	2,086	21%
FTDES	1,171									1,413	21%
Anne Arundel CC											
FTES	7,986	8,139	8,343	8,549	8,799	9,030	9,326	9,587	9,840	10,180	27%
FTDES	5,268									6,715	27%
Baltimore City CC											
FTES	2,447	2,490	2,556	2,621	2,701	2,769	2,870	2,962	3,051	3,141	28%
FTDES	1,471									1,888	28%
Carroll CC											
FTES	1,917	1,951	1,997	2,045	2,102	2,155	2,225	2,281	2,342	2,409	26%
FTDES	1,378									1,732	26%
CC Baltimore County											
FTES	11,287	11,493	11,819	12,095	12,433	12,747	13,146	13,593	13,929	14,302	27%
FTDES	6,895									8,736	27%
Cecil											
FTES	1,495	1,522	1,554	1,594	1,643	1,687	1,745	1,805	1,856	1,915	28%
FTDES	985									1,262	28%
Chesapeake											
FTES	1,204	1,227	1,245	1,275	1,312	1,346	1,388	1,424	1,459	1,512	26%
FTDES	904									1,136	26%
College of Southern Md.											
FTES	4,601	4,675	4,726	4,839	4,979	5,105	5,275	5,426	5,573	5,731	25%
FTDES	2,797									3,484	25%
Frederick CC											
FTES	3,868	3,949	4,042	4,163	4,306	4,418	4,612	4,808	4,959	5,089	32%
FTDES	2,577									3,390	32%

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

	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 18-27
Garrett											
FTES	500	503	508	517	529	564	553	569	582	596	19%
FTDES	374									445	19%
Hagerstown CC											
FTES	2,595	2,648	2,702	2,768	2,846	2,920	3,012	3,110	3,189	3,285	27%
FTDES	1,524									1,930	27%
Harford CC											
FTES	3,908	3,979	4,079	4,183	4,311	4,428	4,581	4,725	4,862	5,008	28%
FTDES	2,713									3,477	28%
Howard CC											
FTES	6,440	6,561	6,750	6,939	7,167	7,363	7,652	7,944	8,188	8,376	30%
FTDES	4,393									5,713	30%
Montgomery											
FTES	15,225	15,536	16,096	16,506	17,010	17,470	18,079	18,570	19,108	19,697	29%
FTDES	10,900									14,102	29%
Prince George's CC											
FTES	7,331	7,476	7,647	7,832	8,061	8,275	8,542	8,969	9,150	9,362	28%
FTDES	4,330									5,530	28%
Wor-Wic CC											
FTES	1,851	1,909	1,978	2,048	2,129	2,210	2,302	2,394	2,480	2,574	39%
FTDES	1,270									1,767	39%
Total Community Colleges											
FTES	74,384	75,804	77,808	79,770	82,163	84,432	87,241	90,158	92,607	95,263	28%
FTDES	48,950									62,720	28%

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 ten 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 ten-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 2027 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 ten 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 ten 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 2027 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 2027 (FY 2028).
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 2027.

**PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2018 - 2027**

College	FY17 actual	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	Percent Change FY17- FY27
Allegany	400	405	410	415	420	425	430	435	440	445	450	13%
Anne Arundel	3,352	3,357	3,361	3,366	3,370	3,375	3,379	3,384	3,388	3,393	3,398	1%
Baltimore City	2,291	2,294	2,297	2,300	2,303	2,306	2,309	2,312	2,315	2,318	2,321	1%
Baltimore County	4,041	4,051	4,061	4,071	4,081	4,091	4,101	4,111	4,121	4,131	4,141	2%
Carroll	459	461	463	465	468	471	474	477	480	483	486	6%
Cecil	341	343	345	347	349	351	353	355	357	359	361	6%
Chesapeake	673	678	683	688	693	698	703	708	713	718	723	7%
Frederick	647	661	675	690	705	720	735	751	767	783	800	24%
Garrett	237	249	265	283	302	323	344	367	391	417	445	88%
Hagerstown	772	785	798	811	825	839	853	867	882	897	912	18%
Harford	937	942	947	952	957	962	967	972	977	982	987	5%
Howard	1,353	1,379	1,405	1,432	1,459	1,487	1,515	1,544	1,573	1,603	1,633	21%
Montgomery	2,881	2,887	2,893	2,899	2,905	2,911	2,917	2,923	2,929	2,935	2,941	2%
Prince George's	4,611	4,653	4,695	4,738	4,781	4,824	4,868	4,912	4,956	5,001	5,046	9%
Southern Maryland	735	746	757	768	779	791	803	815	827	839	851	16%
Wor-Wic	842	863	884	906	929	952	976	1,000	1,025	1,050	1,076	28%
SYSTEMWIDE	24,572	24,754	24,939	25,131	25,326	25,526	25,727	25,933	26,141	26,354	26,571	8%

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 three years categorized by gender and age (11 groupings).
2. The number of residents in each Maryland county for the past three 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 2028 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.