



Enrollment Projections

2019 – 2028

Maryland Public Colleges and Universities

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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 2028. 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. Last year, the enrollment projections forecast a Fall 2018 credit enrollment of 307,851 and the actual enrollment in Fall 2018 was 300,742, a difference of 7,109 (2%). Similarly, the FTE forecast for 2018 was 217,807 statewide but the actual FTE figures for 2018 were 213,071, a difference of 4,736 or 2%. The FTDE forecast follows a similar pattern; the estimate for Fall 2018 was 137,271 but the actual Fall 2018 FTDE figure was 133,712 (a difference of 3,559 or 3%).

The 10-year accuracy of the model shows a similar pattern. An analysis using the projections from the 2009-2018 Enrollment Projections Report (published June 2009) projected 326,650 in total headcount credit enrollment, which is 25,908 (8%) higher than the actual data for Fall 2018. The primary drivers of these differences are an overestimation of the community college enrollment (147,318 estimated versus 115,007 actual) and an underestimation of the public four-year institution undergraduate population (128,024 estimated versus 143,115 actual). Similar patterns play out for the FTE and FTDE figures, with the 2009 report over-projecting the community college counts and underestimating the public four-year institution counts. Likely the overestimation of the community college data was due, in part, by the surge of enrollment at the community colleges, which began in 2008.

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 305,237 in Fall 2019, an increase of 1% (4,495 students) over Fall 2018 actual enrollment.
- Total headcount credit enrollment at Maryland public colleges and universities is projected to be 370,263 in Fall 2028, an increase of 23% (69,521 students) over Fall 2018. Total enrollment at community colleges is expected to increase by 32% (36,959 students) from Fall 2018 to Fall 2028, and enrollment at public four-year colleges and universities is projected to increase by 18% (32,562 students) during the same period.
- Statewide, undergraduate enrollment is projected to grow by 59,990 students by 2028, an increase of 23%, reaching a total of 318,112. 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 50,605 an increase of 14,311 or 39%, while part-time student enrollments are expected to grow to 101,361, an increase of 22,648 students or 29%. 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 103,128 students, an increase of 9,092) while part-time undergraduate enrollment is expected to grow by 28% (to 63,018 students, an increase of 13,939).
- Graduate and professional student enrollment is expected to grow to 52,151 students by 2028, an increase of 9,531 (22%). The number of full-time graduate students is projected to grow by 10% (1,888 students) to 20,562, and the number of part-time students is expected to increase by 32% (7,643 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 2018 and Fall 2028. FTEs are expected to reach 94,690, an increase of 24,469 or 34%, and FTDE enrollment will increase 34% (16,206). At public four-year institutions, FTEs are projected to reach 162,683, an increase of 12% (19,833), while FTDEs are expected to total 97,354, an increase of 10% (9,802). The University of Maryland University College is not included in the FTDE projections).
- State-funded noncredit FTE continuing education enrollment at the community colleges is projected to increase by 9% to 26,249 by FY 2028, an increase of 2,242 equivalent students compared to FY 2018.
- An analysis using the projections from the 2009-2018 Enrollment Projections Report (published June 2009) projected 326,650 in total headcount credit enrollment, which is 25,908 (8%) higher than the actual data for Fall 2018. The primary drivers of these differences are an overestimation of the community college enrollment (147,318 estimated versus 115,007 actual) and an underestimation of the public four-year institution undergraduate population (128,024 estimated versus 143,115 actual). Likely the overestimation of the community college enrollment was due, in part, to the surge of enrollment at the community colleges, which began in 2008 during the Great Recession.

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 18 FY 19 Actual	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	FALL 28 FY 17 Projected	% Change 18-28
Bowie													
Undergraduate													
	Full-time	4,421	4,467	4,520	4,534	4,580	4,595	4,666	4,709	4,729	4,785	4,819	9%
	Part-time	887	903	923	949	975	1,001	1,022	1,043	1,062	1,085	1,105	25%
Total Undergraduate		5,308	5,370	5,443	5,483	5,555	5,596	5,688	5,752	5,791	5,870	5,924	12%
Graduate													
	Full-time	463	469	474	477	481	488	496	500	509	514	524	13%
	Part-time	549	592	608	622	638	652	667	682	697	704	712	30%
Total Graduate		1,012	1,061	1,082	1,099	1,119	1,140	1,163	1,182	1,206	1,218	1,236	22%
Total Headcount		6,320	6,431	6,525	6,582	6,674	6,736	6,851	6,934	6,997	7,088	7,160	13%

Coppin													
Undergraduate													
	Full-time	1,765	1,778	1,794	1,794	1,807	1,807	1,829	1,841	1,843	1,859	1,867	6%
	Part-time	597	607	620	636	653	670	683	696	708	724	738	24%
Total Undergraduate		2,362	2,385	2,414	2,430	2,460	2,477	2,512	2,537	2,551	2,583	2,605	10%
Graduate													
	Full-time	121	122	124	124	125	126	128	129	130	131	132	9%
	Part-time	255	275	282	288	295	302	308	314	321	324	327	28%
Total Graduate		376	397	406	412	420	428	436	443	451	455	459	22%
Total Headcount		2,738	2,782	2,820	2,842	2,880	2,905	2,948	2,980	3,002	3,038	3,064	12%

Frostburg													
Undergraduate													
	Full-time	3,805	3,828	3,857	3,851	3,874	3,869	3,912	3,931	3,930	3,959	3,971	4%
	Part-time	833	847	867	890	915	939	959	978	996	1,016	1,032	24%
Total Undergraduate		4,638	4,675	4,724	4,741	4,789	4,808	4,871	4,909	4,926	4,975	5,003	8%
Graduate													
	Full-time	205	207	209	210	211	214	216	218	221	223	225	10%
	Part-time	451	485	497	508	520	530	541	552	563	568	573	27%
Total Graduate		656	692	706	718	731	744	757	770	784	791	798	22%
Total Headcount		5,294	5,367	5,430	5,459	5,520	5,552	5,628	5,679	5,710	5,766	5,801	10%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 18 FY 19 Actual	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	FALL 28 FY 17 Projected	% Change 18-28
Salisbury													
Undergraduate													
	Full-time	7,081	7,128	7,216	7,225	7,288	7,298	7,399	7,456	7,474	7,550	7,592	7%
	Part-time	569	578	591	606	622	637	650	662	675	690	702	23%
Total Undergraduate		7,650	7,706	7,807	7,831	7,910	7,935	8,049	8,118	8,149	8,240	8,294	8%
Graduate													
	Full-time	516	522	528	531	535	542	550	554	563	565	568	10%
	Part-time	401	432	444	455	466	477	487	498	509	514	520	30%
Total Graduate		917	954	972	986	1,001	1,019	1,037	1,052	1,072	1,079	1,088	19%
Total Headcount		8,567	8,660	8,779	8,817	8,911	8,954	9,086	9,170	9,221	9,319	9,382	10%

Towson													
Undergraduate													
	Full-time	17,350	17,508	17,693	17,721	17,880	17,911	18,164	18,310	18,360	18,553	18,662	8%
	Part-time	2,468	2,510	2,566	2,636	2,706	2,778	2,835	2,891	2,942	3,003	3,052	24%
Total Undergraduate		19,818	20,018	20,259	20,357	20,586	20,689	20,999	21,201	21,302	21,556	21,714	10%
Graduate													
	Full-time	1,035	1,045	1,055	1,059	1,065	1,078	1,091	1,098	1,112	1,116	1,117	8%
	Part-time	2,070	2,232	2,294	2,350	2,410	2,465	2,521	2,577	2,634	2,664	2,695	30%
Total Graduate		3,105	3,277	3,349	3,409	3,475	3,543	3,612	3,675	3,746	3,780	3,812	23%
Total Headcount		22,923	23,295	23,608	23,766	24,061	24,232	24,611	24,876	25,048	25,336	25,526	11%

University of Baltimore													
Undergraduate													
	Full-time	1,470	1,478	1,488	1,484	1,492	1,489	1,504	1,510	1,509	1,519	1,522	4%
	Part-time	1,099	1,115	1,138	1,166	1,194	1,223	1,246	1,267	1,287	1,314	1,335	21%
Total Undergraduate		2,569	2,593	2,626	2,650	2,686	2,712	2,750	2,777	2,796	2,833	2,857	11%
Graduate													
	Full-time	1,039	1,047	1,055	1,057	1,061	1,072	1,084	1,088	1,101	1,109	1,119	8%
	Part-time	1,433	1,540	1,576	1,608	1,643	1,674	1,705	1,736	1,768	1,781	1,795	25%
Total Graduate		2,472	2,587	2,631	2,665	2,704	2,746	2,789	2,824	2,869	2,890	2,914	18%
Total Headcount		5,041	5,180	5,257	5,315	5,390	5,458	5,539	5,601	5,665	5,723	5,771	14%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 18 FY 19 Actual	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	FALL 28 FY 17 Projected	% Change 18-28
UMB													
Undergraduate													
	Full-time	702	708	715	715	721	721	731	736	737	744	748	7%
	Part-time	207	210	215	221	227	233	238	242	246	252	256	24%
Total Undergraduate		909	918	930	936	948	954	969	978	983	996	1,004	10%
Graduate													
	Full-time	4,500	4,577	4,635	4,663	4,701	4,771	4,844	4,885	4,966	4,975	4,983	11%
	Part-time	1,368	1,483	1,531	1,576	1,625	1,670	1,716	1,763	1,811	1,841	1,871	37%
Total Graduate		5,868	6,060	6,166	6,239	6,326	6,441	6,560	6,648	6,777	6,816	6,854	17%
Total Headcount		6,777	6,978	7,096	7,175	7,274	7,395	7,529	7,626	7,760	7,812	7,858	16%

UMBC													
Undergraduate													
	Full-time	9,623	9,701	9,793	9,800	9,877	9,885	10,014	10,085	10,102	10,198	10,248	6%
	Part-time	1,637	1,662	1,697	1,741	1,785	1,829	1,864	1,898	1,934	1,977	2,012	23%
Total Undergraduate		11,260	11,363	11,490	11,541	11,662	11,714	11,878	11,983	12,036	12,175	12,260	9%
Graduate													
	Full-time	1,205	1,219	1,234	1,241	1,251	1,269	1,288	1,298	1,316	1,327	1,337	11%
	Part-time	1,302	1,403	1,441	1,474	1,511	1,544	1,577	1,611	1,645	1,662	1,680	29%
Total Graduate		2,507	2,622	2,675	2,715	2,762	2,813	2,865	2,909	2,961	2,989	3,017	20%
Total Headcount		13,767	13,985	14,165	14,256	14,424	14,527	14,743	14,892	14,997	15,164	15,277	11%

UMCP													
Undergraduate													
	Full-time	28,501	28,993	29,537	29,827	30,336	30,636	31,300	31,830	32,174	32,778	33,238	17%
	Part-time	2,261	2,299	2,350	2,414	2,478	2,543	2,595	2,646	2,693	2,749	2,797	24%
Total Undergraduate		30,762	31,292	31,887	32,241	32,814	33,179	33,895	34,476	34,867	35,527	36,035	17%
Graduate													
	Full-time	8,102	8,196	8,298	8,343	8,411	8,532	8,660	8,729	8,842	8,884	8,926	10%
	Part-time	2,336	2,509	2,570	2,622	2,678	2,728	2,782	2,833	2,884	2,906	2,927	25%
Total Graduate		10,438	10,705	10,868	10,965	11,089	11,260	11,442	11,562	11,726	11,790	11,853	14%
Total Headcount		41,200	41,997	42,755	43,206	43,903	44,439	45,337	46,038	46,593	47,317	47,888	16%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 18 FY 19 Actual	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	FALL 28 FY 17 Projected	% Change 18-28
UMES													
Undergraduate													
	Full-time	2,360	2,372	2,387	2,381	2,392	2,387	2,431	2,420	2,417	2,432	2,436	3%
	Part-time	237	241	246	252	258	265	270	277	283	290	296	25%
Total Undergraduate		2,597	2,613	2,633	2,633	2,650	2,652	2,701	2,697	2,700	2,722	2,732	5%
Graduate													
	Full-time	370	374	378	379	381	386	391	394	399	403	409	11%
	Part-time	226	244	250	256	262	268	274	280	286	289	292	29%
Total Graduate		596	618	628	635	643	654	665	674	685	692	701	18%
Total Headcount		3,193	3,231	3,261	3,268	3,293	3,306	3,366	3,371	3,385	3,414	3,433	8%

UMUC													
Undergraduate													
	Full-time	9,607	9,682	9,771	9,773	9,848	9,852	9,977	10,044	10,058	10,150	10,197	6%
	Part-time	37,646	38,522	39,635	40,957	42,316	43,711	44,888	46,051	47,146	48,103	48,901	30%
Total Undergraduate		47,253	48,204	49,406	50,730	52,164	53,563	54,865	56,095	57,204	58,253	59,098	25%
Graduate													
	Full-time	97	98	99	100	100	102	103	104	105	106	108	11%
	Part-time	13,253	14,339	14,782	15,187	15,627	16,034	16,450	16,870	17,298	17,548	17,803	34%
Total Graduate		13,350	14,437	14,881	15,287	15,727	16,136	16,553	16,974	17,403	17,654	17,911	34%
Total Headcount		60,603	62,641	64,287	66,017	67,891	69,699	71,418	73,069	74,607	75,907	77,009	27%

TOTAL SYSTEM OF MD.													
Undergraduate													
	Full-time	86,685	87,643	88,771	89,105	90,095	90,450	91,927	92,872	93,333	94,527	95,300	10%
	Part-time	48,441	49,494	50,848	52,468	54,129	55,829	57,250	58,651	59,972	61,203	62,226	28%
Total Undergraduate		135,126	137,137	139,619	141,573	144,224	146,279	149,177	151,523	153,305	155,730	157,526	17%
Graduate													
	Full-time	17,653	17,876	18,089	18,184	18,322	18,580	18,851	18,997	19,264	19,353	19,448	10%
	Part-time	23,644	25,534	26,275	26,946	27,675	28,344	29,028	29,716	30,416	30,801	31,195	32%
Total Graduate		41,297	43,410	44,364	45,130	45,997	46,924	47,879	48,713	49,680	50,154	50,643	23%
Total Headcount		176,423	180,547	183,983	186,703	190,221	193,203	197,056	200,236	202,985	205,884	208,169	18%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 18 FY 19 Actual	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	FALL 28 FY 17 Projected	% Change 18-28
Morgan State													
Undergraduate													
	Full-time	5,830	5,878	5,934	5,939	5,986	5,991	6,070	6,114	6,125	6,184	6,214	7%
	Part-time	589	598	611	627	644	660	673	688	702	719	732	24%
Total Undergraduate		6,419	6,476	6,545	6,566	6,630	6,651	6,743	6,802	6,827	6,903	6,946	8%
Graduate													
	Full-time	991	1,001	1,012	1,017	1,024	1,037	1,051	1,059	1,064	1,077	1,081	9%
	Part-time	302	325	334	342	350	358	365	373	381	387	394	30%
Total Graduate		1,293	1,326	1,346	1,359	1,374	1,395	1,416	1,432	1,445	1,464	1,475	14%
Total Headcount		7,712	7,802	7,891	7,925	8,004	8,046	8,159	8,234	8,272	8,367	8,421	9%
St. Mary's College													
Undergraduate													
	Full-time	1,521	1,533	1,547	1,547	1,559	1,560	1,579	1,590	1,592	1,607	1,614	6%
	Part-time	49	50	51	52	54	55	56	57	58	59	60	22%
Total Undergraduate		1,570	1,583	1,598	1,599	1,613	1,615	1,635	1,647	1,650	1,666	1,674	7%
Graduate													
	Full-time	30	30	31	31	31	31	32	32	32	33	33	10%
	Part-time	0	0	0	0	0	0	0	0	0	0	0	0%
Total Graduate		30	30	31	31	31	31	32	32	32	33	33	10%
Total Headcount		1,600	1,613	1,629	1,630	1,644	1,646	1,667	1,679	1,682	1,699	1,707	7%
TOTAL 4-YEAR PUBLIC													
Undergraduate													
	Full-time	94,036	95,054	96,252	96,591	97,640	98,001	99,576	100,576	101,050	102,318	103,128	10%
	Part-time	49,079	50,142	51,510	53,147	54,827	56,544	57,979	59,396	60,732	61,981	63,018	28%
Total Undergraduate		143,115	145,196	147,762	149,738	152,467	154,545	157,555	159,972	161,782	164,299	166,146	16%
Graduate													
	Full-time	18,674	18,907	19,132	19,232	19,377	19,648	19,934	20,088	20,360	20,463	20,562	10%
	Part-time	23,946	25,859	26,609	27,288	28,025	28,702	29,393	30,089	30,797	31,188	31,589	32%
Total Graduate		42,620	44,766	45,741	46,520	47,402	48,350	49,327	50,177	51,157	51,651	52,151	22%
Total Headcount		185,735	189,962	193,503	196,258	199,869	202,895	206,882	210,149	212,939	215,950	218,297	18%

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

	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	FALL 28 FY 29 Projected	% Change 18-28
Bowie											
FTES	5,297	5,365	5,395	5,457	5,491	5,580	5,638	5,677	5,746	5,798	11%
FTDES	4,261									4,664	9%
Coppin											
FTES	2,166	2,191	2,198	2,220	2,229	2,259	2,278	2,287	2,310	2,324	8%
FTDES	1,346									1,444	7%
Frostburg											
FTES	4,301	4,341	4,347	4,382	4,391	4,444	4,474	4,485	4,523	4,543	7%
FTDES	3,559									3,759	6%
Salisbury											
FTES	7,825	7,925	7,945	8,020	8,045	8,159	8,226	8,261	8,344	8,394	8%
FTDES	6,510									6,983	7%
Towson											
FTES	19,267	19,492	19,563	19,762	19,845	20,135	20,317	20,413	20,631	20,761	9%
FTDES	15,704									16,922	8%
University of Baltimore											
FTES	3,352	3,389	3,406	3,439	3,466	3,511	3,537	3,566	3,597	3,621	10%
FTDES	1,492									1,612	8%

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

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	FALL 28 FY 29 Projected	% Change 18-28
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UMB											
FTES	6,994	7,093	7,147	7,221	7,325	7,445	7,520	7,639	7,672	7,700	12%
FTDES	5,785									6,369	10%

UMBC											
FTES	11,428	11,554	11,592	11,701	11,750	11,914	12,013	12,069	12,190	12,265	9%
FTDES	9,676									10,385	7%

UMCP											
FTES	35,400	36,023	36,364	36,927	37,346	38,101	38,679	39,126	39,739	40,218	16%
FTDES	31,107									35,340	14%

UMES											
FTES	3,031	3,054	3,053	3,071	3,075	3,130	3,126	3,133	3,156	3,170	5%
FTDES	2,366									2,475	5%

UMUC											
FTES	37,793	38,633	39,431	40,361	41,198	42,104	42,926	43,647	44,330	44,882	22%
FTDES	n/a									n/a	n/a

TOTAL SYSTEM OF MD.											
FTES	136,854	139,060	140,441	142,561	144,161	146,782	148,734	150,303	152,238	153,676	14%
FTDES (except UMUC)	81,806									89,953	10%

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

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	FALL 28 FY 29 Projected	% Change 18-28
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Morgan State

FTES	6,809	6,879	6,896	6,955	6,980	7,074	7,131	7,153	7,228	7,267	8%
FTDES	5,449									5,816	7%

St. Mary's College

FTES	1,648	1,664	1,665	1,678	1,679	1,701	1,712	1,715	1,732	1,740	9%
FTDES	1,501									1,585	6%

TOTAL 4-YEAR PUBLIC

FTES	145,311	147,603	149,002	151,194	152,820	155,557	157,577	159,171	161,198	162,683	14%
FTDES (except UMUC)	88,756									97,354	10%

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 2028 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 2028 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 2028 (FY 2029).
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 2028. 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 18 FY 19 Actual	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	FALL 28 FY 29 Projected	% Change 18-28
Allegany College of Md.												
Full-time	1,095	1,164	1,211	1,211	1,249	1,274	1,403	1,353	1,374	1,433	1,482	35%
Part-time	1,490	1,454	1,570	1,592	1,630	1,671	1,715	1,754	1,794	1,817	1,836	23%
Total Headcount	2,585	2,618	2,781	2,803	2,879	2,945	3,118	3,107	3,168	3,250	3,318	28%
Anne Arundel CC												
Full-time	3,661	3,647	3,823	3,859	4,032	4,167	4,395	4,492	4,586	4,819	5,080	39%
Part-time	9,225	9,227	9,949	10,337	10,573	10,823	11,095	11,333	11,510	11,643	11,778	28%
Total Headcount	12,886	12,874	13,772	14,196	14,605	14,990	15,490	15,825	16,096	16,462	16,858	31%
Baltimore City CC												
Full-time	1,490	1,501	1,530	1,544	1,571	1,596	1,623	1,654	1,675	1,701	1,724	16%
Part-time	2,301	2,300	2,310	2,399	2,458	2,522	2,575	2,651	2,701	2,743	2,771	20%
Total Headcount	3,791	3,801	3,840	3,943	4,029	4,118	4,198	4,305	4,376	4,444	4,495	19%
Carroll CC												
Full-time	982	964	1,009	1,013	1,055	1,087	1,142	1,165	1,174	1,230	1,295	32%
Part-time	2,060	1,956	2,112	2,203	2,256	2,312	2,373	2,427	2,493	2,525	2,515	22%
Total Headcount	3,042	2,920	3,121	3,216	3,311	3,399	3,515	3,592	3,667	3,755	3,810	25%
CCBC												
Full-time	5,081	5,133	5,356	5,434	5,648	5,808	6,093	6,198	6,333	6,621	6,869	35%
Part-time	13,749	13,469	14,576	15,155	15,558	15,985	16,447	16,862	17,338	17,603	17,880	30%
Total Headcount	18,830	18,602	19,932	20,589	21,206	21,793	22,540	23,060	23,671	24,224	24,749	31%
Cecil CC												
Full-time	782	830	870	874	912	942	993	1,014	1,039	1,091	1,146	47%
Part-time	1,609	1,567	1,693	1,753	1,797	1,843	1,894	1,939	1,981	2,009	2,022	26%
Total Headcount	2,391	2,397	2,563	2,627	2,709	2,785	2,887	2,953	3,020	3,100	3,168	32%
Chesapeake CC												
Full-time	579	562	588	586	612	632	666	680	687	721	765	32%
Part-time	1,502	1,563	1,686	1,741	1,782	1,825	1,871	1,912	1,955	1,978	1,996	33%
Total Headcount	2,081	2,125	2,274	2,327	2,394	2,457	2,537	2,592	2,642	2,699	2,761	33%
Frederick CC												
Full-time	1,832	1,980	2,080	2,082	2,179	2,256	2,383	2,441	2,530	2,662	2,760	51%
Part-time	4,168	4,178	4,522	4,736	4,888	5,049	5,153	5,383	5,521	5,635	5,721	37%
Total Headcount	6,000	6,158	6,602	6,818	7,067	7,305	7,536	7,824	8,051	8,297	8,481	41%

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 18 FY 19 Actual	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	FALL 28 FY 29 Projected	% Change 18-28
Garrett												
Full-time	421	440	459	455	470	480	528	505	512	531	550	31%
Part-time	237	239	247	252	256	260	264	269	271	274	277	17%
Total Headcount	658	679	706	707	726	740	792	774	783	805	827	26%
Hagerstown CC												
Full-time	1,012	954	1,001	1,006	1,051	1,086	1,145	1,171	1,203	1,263	1,330	31%
Part-time	3,144	2,974	3,206	3,319	3,394	3,472	3,558	3,633	3,710	3,751	3,775	20%
Total Headcount	4,156	3,928	4,207	4,325	4,445	4,558	4,703	4,804	4,913	5,014	5,105	23%
Harford CC												
Full-time	1,993	2,109	2,211	2,238	2,338	2,416	2,547	2,603	2,661	2,796	2,920	47%
Part-time	3,872	3,830	4,137	4,270	4,374	4,485	4,604	4,710	4,795	4,858	4,920	27%
Total Headcount	5,865	5,939	6,348	6,508	6,712	6,901	7,151	7,313	7,456	7,654	7,840	34%
Howard CC												
Full-time	3,271	3,353	3,519	3,551	3,712	3,838	4,049	4,142	4,265	4,484	4,633	42%
Part-time	5,940	6,000	6,479	6,791	6,991	7,204	7,387	7,642	7,819	7,959	8,061	36%
Total Headcount	9,211	9,353	9,998	10,342	10,703	11,042	11,436	11,784	12,084	12,443	12,694	38%
Montgomery												
Full-time	7,571	7,744	8,152	8,357	8,733	9,031	9,529	9,748	9,899	10,416	10,910	44%
Part-time	14,149	14,330	15,456	16,074	16,444	16,836	17,262	17,636	17,949	18,158	18,326	30%
Total Headcount	21,720	22,074	23,608	24,431	25,177	25,867	26,791	27,384	27,848	28,574	29,236	35%
Prince George's CC												
Full-time	3,248	3,172	3,331	3,364	3,524	3,650	3,854	3,949	4,109	4,321	4,504	39%
Part-time	8,637	8,513	9,161	9,461	9,653	9,861	10,101	10,281	10,682	10,668	10,678	24%
Total Headcount	11,885	11,685	12,492	12,825	13,177	13,511	13,955	14,230	14,791	14,989	15,182	28%
SoMd												
Full-time	2,490	2,577	2,696	2,671	2,786	2,875	3,026	3,088	3,145	3,300	3,468	39%
Part-time	4,392	4,498	4,847	5,001	5,112	5,229	5,356	5,469	5,563	5,623	5,596	27%
Total Headcount	6,882	7,075	7,543	7,672	7,898	8,104	8,382	8,557	8,708	8,923	9,064	32%
Wor-Wic CC												
Full-time	786	772	818	836	881	919	993	1,010	1,043	1,106	1,169	49%
Part-time	2,238	2,275	2,482	2,607	2,699	2,795	2,859	2,996	3,081	3,152	3,209	43%
Total Headcount	3,024	3,047	3,300	3,443	3,580	3,714	3,852	4,006	4,124	4,258	4,378	45%
Total Community Colleges												
Full-time	36,294	36,902	38,654	39,081	40,753	42,057	44,369	45,213	46,235	48,495	50,605	39%
Part-time	78,713	78,373	84,433	87,691	89,865	92,172	94,514	96,897	99,163	100,396	101,361	29%
Total Headcount	115,007	115,275	123,087	126,772	130,618	134,229	138,883	142,110	145,398	148,891	151,966	32%

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

	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	FALL 28 FY 29 Projected	% Change 19-28
Allegheny College of Md.											
FTES	1,616	1,700	1,707	1,756	1,794	1,935	1,899	1,932	1,998	2,052	27%
FTDES	1,110									1,410	27%
Anne Arundel CC											
FTES	7,557	8,025	8,211	8,494	8,739	9,098	9,296	9,468	9,780	10,124	34%
FTDES	4,923									6,595	34%
Baltimore City CC											
FTES	2,754	2,793	2,846	2,903	2,959	3,014	3,082	3,128	3,176	3,216	17%
FTDES	1,647									1,923	17%
Carroll CC											
FTES	1,830	1,940	1,979	2,046	2,104	2,189	2,236	2,271	2,346	2,416	32%
FTDES	1,315									1,735	32%
CCBC											
FTES	10,788	11,451	11,755	12,146	12,485	12,977	13,249	13,579	14,001	14,382	33%
FTDES	6,422									8,561	33%
Cecil CC											
FTES	1,408	1,494	1,519	1,573	1,621	1,691	1,729	1,769	1,833	1,895	35%
FTDES	946									1,273	35%
Chesapeake CC											
FTES	1,151	1,222	1,240	1,282	1,318	1,371	1,400	1,423	1,467	1,520	32%
FTDES	835									1,103	32%
Frederick CC											
FTES	3,593	3,822	3,900	4,057	4,197	4,369	4,512	4,656	4,837	4,972	38%
FTDES	2,405									3,329	38%

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

	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	FALL 28 FY 29 Projected	% Change 19-28
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Garrett CC

FTES	490	510	508	523	534	581	561	568	587	605	23%
FTDES	357									441	24%

Hagerstown CC

FTES	2,478	2,636	2,691	2,780	2,857	2,969	3,034	3,108	3,201	3,297	33%
FTDES	1,476									1,964	33%

Harford CC

FTES	3,663	3,884	3,962	4,107	4,232	4,416	4,515	4,609	4,777	4,934	35%
FTDES	2,513									3,385	35%

Howard CC

FTES	6,091	6,461	6,616	6,875	7,099	7,409	7,611	7,818	8,120	8,329	37%
FTDES	4,124									5,640	37%

Montgomery CC

FTES	14,205	15,094	15,560	16,127	16,613	17,339	17,729	18,019	18,684	19,308	36%
FTDES	10,446									14,198	36%

Prince George's CC

FTES	6,975	7,410	7,564	7,824	8,051	8,380	8,558	8,901	9,138	9,358	34%
FTDES	4,109									5,513	34%

So. Md.

FTES	4,400	4,654	4,682	4,846	4,984	5,193	5,300	5,396	5,585	5,756	31%
FTDES	2,696									3,527	31%

Wor-Wic CC

FTES	1,727	1,856	1,924	2,009	2,088	2,196	2,266	2,336	2,433	2,526	46%
FTDES	1,209									1,769	46%

Total Community Colleges

FTES	70,726	74,952	76,664	79,348	81,675	85,127	86,977	88,981	91,963	94,690	34%
FTDES	46,533									62,366	34%

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.

**PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2019 - 2028**

College	FY18 actual	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	Percent Change FY18- FY28
Allegany	480	491	502	513	524	536	548	560	572	585	598	25%
Anne Arundel	3,022	3,026	3,031	3,035	3,040	3,044	3,049	3,054	3,058	3,063	3,067	1%
Baltimore City	1,768	2,106	2,110	2,114	2,118	2,122	2,126	2,130	2,134	2,138	2,142	21%
Baltimore County	4,469	4,472	4,475	4,478	4,481	4,484	4,487	4,490	4,493	4,496	4,499	1%
Carroll	464	467	470	473	476	479	482	485	488	491	494	6%
Cecil	264	265	266	267	268	269	270	271	272	273	274	4%
Chesapeake	664	667	670	673	676	679	682	685	688	691	694	5%
Frederick	653	671	690	709	729	749	770	791	813	836	859	32%
Garrett	246	255	268	282	297	313	329	347	365	384	405	65%
Hagerstown	692	707	722	738	754	770	787	804	821	839	857	24%
Harford	875	883	891	899	907	915	923	931	939	947	955	9%
Howard	1,396	1,446	1,497	1,550	1,605	1,662	1,721	1,782	1,845	1,911	1,979	42%
Montgomery	2,929	2,940	2,951	2,962	2,973	2,984	2,995	3,006	3,017	3,028	3,040	4%
Prince George's	4,623	4,639	4,655	4,671	4,687	4,704	4,721	4,738	4,755	4,772	4,789	4%
Southern Maryland	678	682	686	690	694	698	702	706	710	714	718	6%
Wor-Wic	784	793	802	811	820	829	839	849	859	869	879	12%
SYSTEMWIDE	24,007	24,510	24,686	24,865	25,049	25,237	25,431	25,629	25,829	26,037	26,249	9%

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 2028 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 2028 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 2028 (FY 2029).
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 2028.

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.