Enrollment Projections

2020-2029

Maryland Public Colleges and Universities

June 2020

Lawrence J. Hogan, Jr.
Governor

Boyd K. Rutherford
Lt. Governor

Maryland Higher Education Commission

ENROLLMENT PROJECTIONS - MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

The Maryland Higher Education Commission has prepared enrollment projections for Maryland public colleges and universities through Fall 2029. 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.

These projections do not incorporate any data tied to COIVID-19 and the resulting disruptions the pandemic has caused colleges in relation to enrollment of new and returning students. The data used were collected between December 2019 and February 2020 and reflect projected and actual data that, similarly, would not incorporate the effects of COVID-19.

Assessing the one-year accuracy of the model reveals several overestimation patterns. Last year, the enrollment projections forecast a Fall 2019 credit enrollment at the community colleges of 115,275 and the actual enrollment in Fall 2019 was 113,288, a difference of 1,987 (or 2%). In addition, the projections estimated that the credit enrollment at the public four-year institutions in Fall 2019 would be 189,962 and the actual enrollment in Fall 2019 was 181,490, a difference of 8472 or 5%. Similarly, last year's statewide FTE and FTDE figures forecast projections that were approximately 3% higher than the actual data.

Assessing the projections 10-year accuracy is more complex. An analysis using the projections from the 2010-2019 Enrollment Projections Report (published in 2010) projected 357,615 in total headcount credit enrollment, which is 62,837 (17.5%) higher than the actual data for Fall 2019. The primary driver of these differences is an overestimation of the community college enrollment (170,178 estimated versus 113,288 actual). The public four-year projections (187,437 estimated versus 181,490 actual) was much more accurate. Similar patterns play out for the FTE and FTDE figures, with the 2010 report greatly over-projecting the community college counts and much more accurately projecting the public-four year FTE and FTDE 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 and peaked in 2011.

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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

- These projections do not incorporate any data tied to COIVID-19 and the resulting disruptions the pandemic has caused colleges in relation to enrollment of new and returning students. The data used were collected between December 2019 and February 2020 and reflect projected and actual data that, similarly, would not incorporate the effects of COVID-19.

- Total headcount credit enrollment at Maryland public institutions is projected to be 314,570 in Fall 2020, an increase of 7% (19,792 students) over Fall 2019 actual enrollment.

- The projections estimated that Fall 2019 enrollment would be 305,237, which was 10,459 (3.4%) more students than actual Fall 2019 enrollment.

- Total headcount credit enrollment at Maryland public colleges and universities is projected to be 339,942 in Fall 2029, an increase of 15% (45,164 students) over Fall 2019. Total enrollment at community colleges is expected to be 143,167, an increase of 26% (29,879 students) from Fall 2019 to Fall 2029, and enrollment at public four-year colleges and universities is projected to be 196,775, an increase of 8% (15,285 students) during the same period.

- Statewide, undergraduate enrollment is projected to grow by 41,983 students by 2029, an increase of 17%, reaching a total of 295,608.

- Over 10 years, 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 48,298, an increase of 12,393 or 35%, while part-time student enrollments are expected to grow to 94,869, an increase of 17,486 students or 23%.

- The 10-year projections for public four-year institutions, full-time undergraduate enrollment is projected to increase by 9% (to 100,975 students, an increase of 8,547 students) while part-time undergraduate enrollment is expected to grow by 7% (to 51,466 students, an increase of 3,557 students).

- Over 10 years, graduate and professional student enrollment is expected to grow to 44,334 students, an increase of 3,181 (8%). The number of full-time graduate students is projected to grow by 10% (1,926students) to 20,283, and the number of part-time students is expected to increase by 6% (1,255 students) to 24,051.

- Full-time equivalent enrollment (FTE) and full-time day equivalent enrollment (FTDE) at community colleges are expected to grow between Fall 2019 and Fall 2029. FTEs are expected to reach 89,805, an increase of 20,101 or 29%, and FTDE enrollment will increase 5% or 11,324 to reach 57, 963.

- At public four-year institutions, FTEs and FTDEs are projected to both grow by 9% from 2019 to 2029; the FTE figures are projected to reach 151,267, while FTDEs are expected to total 94,218.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 4% to 24,534 by FY 2029, an increase of 828 equivalent students compared to FY 2019.

- An analysis using the projections from the 2010-2019 Enrollment Projections Report (published in 2010) projected a Fall 2019 total headcount credit enrollment 357,615, which is 62,837 (17.5%) higher than the actual data for Fall 2019. The primary driver of these differences is an overestimation of the community college enrollment (170,178 estimated versus 113,288 actual). The public four-year projections (187,437 estimated versus 181,490 actual) was much more accurate. Similar patterns play out for the FTE and FTDE figures, with the 2010 report greatly over-projecting the community college counts and much more accurately projecting the public-four year FTE and FTDE 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 and peaked in 2011.

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 20-30
Bowie												
Undergraduate												
Full-time	4,329	4,331	4,365	4,427	4,490	4,552	4,614	4,643	4,671	4,700	4,729	9%
Part-time	898	913	920	933	947	962	979	987	996	1,006	1,018	13%
Total Undergraduate	5,227	5,244	5,285	5,360	5,437	5,514	5,593	5,630	5,667	5,706	5,747	10%
Graduate												
Full-time	476	482	491	499	509	519	531	543	556	571	587	23%
Part-time	468	475	483	485	486	486	486	482	478	474	469	0%
Total Graduate	944	957	974	984	995	1,005	1,017	1,025	1,034	1,045	1,056	12%
Total Headcount	6,171	6,201	6,259	6,344	6,432	6,519	6,610	6,655	6,701	6,751	6,803	10%
Coppin												
Undergraduate												
Full-time	1,804	1,806	1,818	1,843	1,868	1,893	1,918	1,928	1,937	1,947	1,956	8%
Part-time	579	587	590	595	600	604	608	605	602	598	594	3%
Total Undergraduate	2,383	2,393	2,408	2,438	2,468	2,497	2,526	2,533	2,539	2,545	2,550	7%
Graduate												
Full-time	113	114	115	116	117	118	119	119	119	119	119	5%
Part-time	228	235	236	238	239	241	243	243	243	243	243	7%
Total Graduate	341	349	351	354	356	359	362	362	362	362	362	6%
Total Headcount	2,724	2,742	2,759	2,792	2,824	2,856	2,888	2,895	2,901	2,907	2,912	7%
Frostburg												
Undergraduate												
Full-time	3,522	3,523	3,551	3,602	3,653	3,703	3,754	3,777	3,801	3,824	3,847	9%
Part-time	907	922	929	942	957	972	988	997	1,006	1,017	1,028	13%
Total Undergraduate	4,429	4,445	4,480	4,544	4,610	4,675	4,742	4,774	4,807	4,841	4,875	10%
Graduate												
Full-time	236	239	243	247	252	257	263	269	276	283	291	23%
Part-time	513	521	530	531	532	533	533	529	524	519	514	0%
Total Graduate	749	760	773	778	784	790	796	798	800	802	805	7%
Total Headcount	5,178	5,205	5,253	5,322	5,394	5,465	5,538	5,572	5,607	5,643	5,680	10%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 20-30
Salisbury												
Undergraduate												
Full-time	7,090	7,097	7,148	7,250	7,352	7,453	7,555	7,601	7,647	7,692	7,738	9%
Part-time	596	605	609	616	623	629	636	637	638	639	640	7%
Total Undergraduate	7,686	7,702	7,757	7,866	7,975	8,082	8,191	8,238	8,285	8,331	8,378	9%
Graduate												
Full-time	530	536	544	551	558	565	573	580	587	594	602	14%
Part-time	401	413	416	419	422	425	429	430	431	432	433	8%
Total Graduate	931	949	960	970	980	990	1,002	1,010	1,018	1,026	1,035	11%
Total Headcount	8,617	8,651	8,717	8,836	8,955	9,072	9,193	9,248	9,303	9,357	9,413	9%
Towson												
Undergraduate												
Full-time	17,209	17,216	17,351	17,599	17,847	18,095	18,344	18,457	18,571	18,684	18,799	9%
Part-time	2,410	2,449	2,468	2,504	2,542	2,582	2,626	2,648	2,674	2,701	2,732	13%
Total Undergraduate	19,619	19,665	19,819	20,103	20,389	20,677	20,970	21,105	21,245	21,385	21,531	10%
Graduate												
Full-time	1,017	1,030	1,048	1,066	1,087	1,110	1,135	1,161	1,189	1,220	1,255	23%
Part-time	2,073	2,104	2,141	2,147	2,151	2,153	2,153	2,137	2,118	2,097	2,076	0%
Total Graduate	3,090	3,134	3,189	3,213	3,238	3,263	3,288	3,298	3,307	3,317	3,331	8%
Total Headcount	22,709	22,799	23,008	23,316	23,627	23,940	24,258	24,403	24,552	24,702	24,862	9%
University of Baltimore												
Undergraduate												
Full-time	1,192	1,190	1,192	1,199	1,203	1,203	1,200	1,185	1,167	1,146	1,122	-6%
Part-time	905	916	914	915	912	906	897	877	854	828	801	-11%
Total Undergraduate	2,097	2,106	2,106	2,114	2,115	2,109	2,097	2,062	2,021	1,974	1,923	-8%
Graduate												
Full-time	997	1,006	1,015	1,021	1,025	1,026	1,025	1,020	1,013	1,004	993	0%
Part-time	1,382	1,422	1,428	1,432	1,436	1,438	1,439	1,430	1,419	1,407	1,394	1%
Total Graduate	2,379	2,428	2,443	2,453	2,461	2,464	2,464	2,450	2,432	2,411	2,387	0%
Total Headcount	4,476	4,534	4,549	4,567	4,576	4,573	4,561	4,512	4,453	4,385	4,310	-4%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 20-30
University of Maryland Baltimore												
Undergraduate												
Full-time	695	695	701	711	721	731	741	745	750	755	759	9%
Part-time	183	186	187	190	193	196	199	201	203	205	207	13%
Total Undergraduate	878	881	888	901	914	927	940	946	953	960	966	10%
Graduate												
Full-time	4,399	4,457	4,533	4,613	4,700	4,800	4,910	5,020	5,143	5,278	5,427	23%
Part-time	1,550	1,573	1,601	1,605	1,609	1,610	1,610	1,598	1,584	1,568	1,552	0%
Total Graduate	5,949	6,030	6,134	6,218	6,309	6,410	6,520	6,618	6,727	6,846	6,979	17%
Total Headcount	6,827	6,911	7,022	7,119	7,223	7,337	7,460	7,564	7,680	7,806	7,945	16%
UMBC												
Undergraduate												
Full-time	9,436	9,440	9,514	9,650	9,786	9,922	10,058	10,120	10,183	10,245	10,308	9%
Part-time	1,624	1,650	1,663	1,687	1,713	1,740	1,770	1,785	1,802	1,820	1,841	13%
Total Undergraduate	11,060	11,090	11,177	11,337	11,499	11,662	11,828	11,905	11,985	12,065	12,149	10%
Graduate												
Full-time	1,257	1,274	1,295	1,318	1,343	1,371	1,403	1,434	1,469	1,508	1,551	23%
Part-time	1,285	1,304	1,327	1,331	1,334	1,335	1,335	1,325	1,313	1,300	1,287	0%
Total Graduate	2,542	2,578	2,622	2,649	2,677	2,706	2,738	2,759	2,782	2,808	2,838	12%
Total Headcount	13,602	13,668	13,799	13,986	14,176	14,368	14,566	14,664	14,767	14,873	14,987	10%
UM College Park												
Undergraduate												
Full-time	28,390	28,638	28,835	29,258	29,688	30,118	30,555	30,771	30,987	31,213	31,440	11%
Part-time	2,121	2,152	2,164	2,189	2,214	2,238	2,263	2,266	2,270	2,273	2,277	7%
Total Undergraduate	30,511	30,790	30,999	31,447	31,902	32,356	32,818	33,037	33,257	33,486	33,717	11%
Graduate												
Full-time	7,877	7,952	8,026	8,073	8,100	8,114	8,107	8,060	7,994	7,905	7,794	-1%
Part-time	2,355	2,425	2,439	2,453	2,467	2,481	2,495	2,493	2,490	2,487	2,484	5%
Total Graduate	10,232	10,377	10,465	10,526	10,567	10,595	10,602	10,553	10,484	10,392	10,278	0%
Total Headcount	40,743	41,167	41,464	41,973	42,469	42,951	43,420	43,590	43,741	43,878	43,995	8%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 20-30
UMES												
Undergraduate												
Full-time	2,095	2,096	2,111	2,141	2,171	2,202	2,232	2,246	2,260	2,273	2,287	9%
Part-time	238	242	243	246	249	252	254	255	255	255	256	8%
Total Undergraduate	2,333	2,338	2,354	2,387	2,420	2,454	2,486	2,501	2,515	2,528	2,543	9%
Graduate												
Full-time	345	350	354	358	362	366	370	373	376	379	382	11%
Part-time	208	211	212	214	215	216	217	217	217	217	216	4%
Total Graduate	553	561	566	572	577	582	587	590	593	596	598	8%
Total Headcount	2,886	2,899	2,920	2,959	2,997	3,036	3,073	3,091	3,108	3,124	3,141	9%
UM Global Campus												
Undergraduate												
Full-time	9,472	9,285	9,353	9,486	9,620	9,754	9,888	9,949	10,011	10,072	10,134	7%
Part-time	36,690	37,249	37,454	37,875	38,290	38,696	39,103	39,133	39,170	39,193	39,221	7%
Total Undergraduate	46,162	46,534	46,807	47,361	47,910	48,450	48,991	49,082	49,181	49,265	49,355	7%
Graduate												
Full-time	90	91	92	93	94	95	96	97	98	99	99	10%
Part-time	12,029	12,479	12,486	12,570	12,674	12,783	12,892	12,927	12,968	13,009	13,062	9%
Total Graduate	12,119	12,570	12,578	12,663	12,768	12,878	12,988	13,024	13,066	13,108	13,161	9%
Total Headcount	58,281	59,104	59,385	60,024	60,678	61,328	61,979	62,106	62,247	62,373	62,516	7%
TOTAL SYSTEM OF MD.												
Undergraduate												
Full-time	85,234	85,317	85,962	87,155	88,410	89,626	90,859	91,422	91,985	92,551	93,119	9%
Part-time	47,151	47,871	48,141	48,692	49,240	49,777	50,323	50,391	50,470	50,535	50,615	7%
Total Undergraduate	132,385	133,188	134,103	135,847	137,650	139,403	141,182	141,813	142,455	143,086	143,734	9%
Graduate												
Full-time	17,337	17,531	17,756	17,955	18,147	18,341	18,532	18,676	18,820	18,960	19,100	10%
Part-time	22,492	23,162	23,299	23,425	23,565	23,701	23,832	23,811	23,785	23,753	23,730	6%
Total Graduate	39,829	40,693	41,055	41,380	41,712	42,042	42,364	42,487	42,605	42,713	42,830	8%
Total Headcount	172,214	173,881	175,158	177,227	179,362	181,445	183,546	184,300	185,060	185,799	186,564	8%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 20-30
Morgan State				23	(11)	11	(23)					
Undergraduate												
Full-time	5,759	5,765	5,808	5,892	5,977	6,062	6,148	6,189	6,231	6,273	6,316	10%
Part-time	702	713	719	729	740	751	763	769	775	783	791	13%
Total Undergraduate	6,461	6,478	6,527	6,621	6,717	6,813	6,911	6,958	7,006	7,056	7,107	10%
Graduate												
Full-time	999	1,011	1,026	1,041	1,056	1,072	1,089	1,105	1,122	1,140	1,160	16%
Part-time	303	312	314	316	318	319	321	321	321	321	320	6%
Total Graduate	1,302	1,323	1,340	1,357	1,374	1,391	1,410	1,426	1,443	1,461	1,480	14%
Total Headcount	7,763	7,801	7,867	7,978	8,091	8,204	8,321	8,384	8,449	8,517	8,587	11%
St. Mary's College												
Undergraduate												
Full-time	1,435	1,436	1,445	1,465	1,483	1,502	1,519	1,525	1,531	1,535	1,540	7%
Part-time	56	57	57	58	58	59	60	60	60	60	60	7%
Total Undergraduate	1,491	1,493	1,502	1,523	1,541	1,561	1,579	1,585	1,591	1,595	1,600	7%
Graduate												
Full-time	21	21	21	22	22	22	22	23	23	23	23	10%
Part-time	1	1	1	1	1	1	1	1	1	1	1	0%
Total Graduate	22	22	22	23	23	23	23	24	24	24	24	9%
Total Headcount	1,513	1,515	1,524	1,546	1,564	1,584	1,602	1,609	1,615	1,619	1,624	7%
TOTAL 4-YEAR PUBLIC												
Undergraduate												
Full-time	92,428	92,518	93,215	94,512	95,870	97,190	98,526	99,136	99,747	100,359	100,975	9%
Part-time	47,909	48,641	48,917	49,479	50,038	50,587	51,146	51,220	51,305	51,378	51,466	7%
Total Undergraduate	140,337	141,159	142,132	143,991	145,908	147,777	149,672	150,356	151,052	151,737	152,441	9%
Graduate												
Full-time	18,357	18,563	18,803	19,018	19,225	19,435	19,643	19,804	19,965	20,123	20,283	10%
Part-time	22,796	23,475	23,614	23,742	23,884	24,021	24,154	24,133	24,107	24,075	24,051	6%
Total Graduate	41,153	42,038	42,417	42,760	43,109	43,456	43,797	43,937	44,072	44,198	44,334	8%
Total Headcount	181,490	183,197	184,549	186,751	189,017	191,233	193,469	194,293	195,124	195,935	196,775	8%

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

	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	FALL 29 FY 30 Projected	% Change 20-30
Bowie											
FTES	5,097	5,143	5,216	5,291	5,365	5,442	5,483	5,524	5,569	5,615	10%
FTDES	4,183									4,609	10%
Coppin											
FTES	2,228	2,243	2,272	2,300	2,328	2,357	2,366	2,374	2,383	2,391	8%
FTDES	1,378									1,479	7%
Frostburg											
FTES	4,056	4,092	4,149	4,207	4,265	4,325	4,354	4,385	4,416	4,447	10%
FTDES	3,308									3,627	10%
Salisbury											
FTES	7,786	7,846	7,956	8,065	8,174	8,285	8,337	8,390	8,441	8,494	9%
FTDES	6,544									7,139	9%
Towson											
FTES	18,854	19,018	19,285	19,555	19,827	20,102	20,237	20,374	20,514	20,660	10%
FTDES	15,373									16,845	10%
University of Baltimore											
FTES	2,931	2,943	2,958	2,966	2,966	2,959	2,930	2,894	2,852	2,804	-4%
FTDES	1,295									1,239	-4%
University of Maryland Baltimore											
FTES	6,897	7,007	7,118	7,238	7,372	7,517	7,650	7,799	7,962	8,140	19%
FTDES	5,521									6,516	18%
UMBC											
FTES	11,205	11,307	11,469	11,632	11,798	11,968	12,059	12,155	12,253	12,357	11%
FTDES	9,497									10,474	10%

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

	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	FALL 29 FY 30 Projected	% Change 20-30
UM College Park											
FTES	34,465	34,718	35,154	35,579	35,992	36,393	36,546	36,682	36,806	36,911	8%
FTDES	30,403									32,561	7%
UMES											
FTES	2,692	2,713	2,750	2,786	2,824	2,860	2,878	2,896	2,912	2,930	9%
FTDES	2,076									2,259	9%
UM Global Campus											
FTES	34,849	35,037	35,443	35,856	36,268	36,680	36,793	36,912	37,024	37,144	7%
FTDES	n/a									n/a	n/a
TOTAL SYSTEM OF MD.											
FTES	131,060	132,067	133,770	135,475	137,179	138,888	139,633	140,385	141,132	141,893	9%
FTDES (except UMUC)	79,578									86,748	9%
Morgan State		23	(11)	11	(23)						
FTES	6,997	7,056	7,157	7,260	7,363	7,469	7,527	7,587	7,649	7,713	11%
FTDES	5,397									5,949	10%
St. Mary's College											
FTES	1,548	1,558	1,580	1,599	1,619	1,637	1,645	1,651	1,655	1,661	7%
FTDES	1,417									1,521	7%
TOTAL 4-YEAR PUBLIC											
FTES	139,605	140,681	142,507	144,334	146,161	147,994	148,805	149,623	150,436	151,267	9%
FTDES (except UMUC)	86,392									94,218	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 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 2029 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 2029 (FY 2030).

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 2029. 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 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
Allegany College of Md.												
Full-time	1,032	1,266	1,290	1,296	1,319	1,332	1,315	1,313	1,307	1,299	1,288	25%
Part-time	1,552	1,751	1,797	1,820	1,844	1,855	1,888	1,902	1,915	1,929	1,943	25%
Total Headcount	2,584	3,017	3,087	3,116	3,163	3,187	3,203	3,215	3,222	3,228	3,231	25%
Anne Arundel CC												
Full-time	3,604	4,428	4,532	4,585	4,614	4,659	4,743	4,795	4,847	4,902	4,952	37%
Part-time	9,051	10,197	10,427	10,501	10,560	10,798	10,716	10,672	10,611	10,533	10,438	15%
Total Headcount	12,655	14,625	14,959	15,086	15,174	15,457	15,459	15,467	15,458	15,435	15,390	22%
Baltimore City CC												
Full-time	1,579	1,950	2,015	2,069	2,032	2,051	2,238	2,331	2,439	2,565	2,710	72%
Part-time	3,330	3,784	3,937	4,070	4,238	4,008	4,492	4,713	4,980	5,300	5,679	71%
Total Headcount	4,909	5,734	5,952	6,139	6,270	6,059	6,730	7,044	7,419	7,865	8,389	71%
Carroll CC												
Full-time	1,088	1,340	1,376	1,400	1,396	1,409	1,474	1,507	1,544	1,586	1,630	50%
Part-time	2,027	2,287	2,348	2,377	2,409	2,422	2,466	2,483	2,501	2,520	2,538	25%
Total Headcount	3,115	3,627	3,724	3,777	3,805	3,831	3,940	3,990	4,045	4,106	4,168	34%
CCBC												
Full-time	5,053	6,204	6,341	6,401	6,465	6,527	6,578	6,622	6,662	6,697	6,724	33%
Part-time	12,679	14,310	14,687	14,872	15,066	15,154	15,429	15,534	15,645	15,758	15,875	25%
Total Headcount	17,732	20,514	21,028	21,273	21,531	21,681	22,007	22,156	22,307	22,455	22,599	27%
Cecil CC												
Full-time	762	935	955	964	974	985	989	995	999	1,003	1,005	32%
Part-time	1,615	1,822	1,868	1,889	1,911	1,929	1,953	1,961	1,969	1,977	1,984	23%
Total Headcount	2,377	2,757	2,823	2,853	2,885	2,914	2,942	2,956	2,968	2,980	2,989	26%

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
SoMd												
Full-time	2,257	2,763	2,809	2,813	2,880	2,908	2,823	2,797	2,761	2,718	2,664	18%
Part-time	4,094	4,621	4,743	4,803	4,865	4,893	4,982	5,016	5,051	5,089	5,126	25%
Total Headcount	6,351	7,384	7,552	7,616	7,745	7,801	7,805	7,813	7,812	7,807	7,790	23%
Chesapeake CC												
Full-time	563	691	708	716	721	727	742	751	759	768	776	38%
Part-time	1,621	1,828	1,875	1,896	1,918	1,936	1,960	1,968	1,976	1,984	1,991	23%
Total Headcount	2,184	2,519	2,583	2,612	2,639	2,663	2,702	2,719	2,735	2,752	2,767	27%
Frederick CC												
Full-time	1,843	2,262	2,311	2,330	2,357	2,380	2,387	2,397	2,406	2,411	2,414	31%
Part-time	4,286	4,838	4,964	5,027	5,093	5,122	5,216	5,251	5,289	5,327	5,366	25%
Total Headcount	6,129	7,100	7,275	7,357	7,450	7,502	7,603	7,648	7,695	7,738	7,780	27%
Garrett												
Full-time	412	506	517	523	527	532	538	541	545	548	551	34%
Part-time	239	270	277	279	283	286	290	291	293	294	296	24%
Total Headcount	651	776	794	802	810	818	828	832	838	842	847	30%
Hagerstown CC												
Full-time	1,061	1,306	1,340	1,362	1,361	1,374	1,429	1,457	1,489	1,524	1,561	47%
Part-time	2,787	3,145	3,228	3,269	3,312	3,331	3,391	3,414	3,439	3,463	3,490	25%
Total Headcount	3,848	4,451	4,568	4,631	4,673	4,705	4,820	4,871	4,928	4,987	5,051	31%
Harford CC												
Full-time	1,932	2,369	2,416	2,430	2,469	2,492	2,471	2,469	2,463	2,453	2,437	26%
Part-time	3,773	4,255	4,358	4,401	4,441	4,506	4,527	4,532	4,534	4,532	4,527	20%
Total Headcount	5,705	6,624	6,774	6,831	6,910	6,998	6,998	7,001	6,997	6,985	6,964	22%

Projections of Headcount Enrollment at Maryland Community Colleges

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
Howard CC												
Full-time	3,194	3,922	4,011	4,051	4,087	4,127	4,172	4,205	4,236	4,265	4,291	34%
Part-time	5,916	6,677	6,853	6,940	7,030	7,071	7,199	7,248	7,300	7,353	7,407	25%
Total Headcount	9,110	10,599	10,864	10,991	11,117	11,198	11,371	11,453	11,536	11,618	11,698	28%
Montgomery												
Full-time	7,305	8,938	9,073	9,065	9,314	9,404	9,034	8,908	8,749	8,557	8,331	14%
Part-time	13,955	15,703	16,020	16,076	16,089	16,629	16,231	16,048	15,825	15,560	15,256	9%
Total Headcount	21,260	24,641	25,093	25,141	25,403	26,033	25,265	24,956	24,574	24,117	23,587	11%
Prince George's CC												
Full-time	3,508	4,333	4,481	4,601	4,516	4,559	4,984	5,199	5,451	5,739	6,076	73%
Part-time	8,280	9,345	9,592	9,714	9,838	9,897	10,075	10,146	10,216	10,289	10,370	25%
Total Headcount	11,788	13,678	14,073	14,315	14,354	14,456	15,059	15,345	15,667	16,028	16,446	40%
Wor-Wic CC												
Full-time	712	872	889	895	909	918	907	905	902	896	888	25%
Part-time	2,178	2,455	2,514	2,536	2,557	2,600	2,604	2,602	2,599	2,593	2,583	19%
Total Headcount	2,890	3,327	3,403	3,431	3,466	3,518	3,511	3,507	3,501	3,489	3,471	20%
Total Community Colleges												
Full-time	35,905	44,085	45,064	45,501	45,941	46,384	46,824	47,192	47,559	47,931	48,298	35%
Part-time	77,383	87,288	89,488	90,470	91,454	92,437	93,419	93,781	94,143	94,501	94,869	23%
Total Headcount	113,288	131,373	134,552	135,971	137,395	138,821	140,243	140,973	141,702	142,432	143,167	26%

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

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
Allegany College of Md.												
FTES	1,531	1,828	1,867	1,880	1,911	1,927	1,921	1,924	1,922	1,919	1,913	25%
FTDES	1,037	1,238									1,295	5%
Anne Arundel CC												
FTES	7,502	8,868	9,073	9,161	9,216	9,357	9,421	9,464	9,499	9,532	9,553	27%
FTDES	4,826	5,705									6,146	8%
Baltimore City CC												
FTES	3,299	3,940	4,083	4,203	4,227	4,156	4,583	4,788	5,029	5,315	5,648	71%
FTDES	2,040	2,436									3,492	43%
Carroll CC												
FTES	2,019	2,406	2,471	2,509	2,517	2,537	2,628	2,672	2,721	2,777	2,834	40%
FTDES	2,368	2,822									3,324	18%
CCBC												
FTES	10,510	12,429	12,727	12,865	13,010	13,114	13,275	13,365	13,452	13,534	13,609	29%
FTDES	6,134	7,254									7,942	9%
Cecil CC												
FTES	1,354	1,606	1,643	1,660	1,678	1,696	1,708	1,717	1,724	1,731	1,735	28%
FTDES	920	1,091									1,179	8%
SoMd												
FTES	3,930	4,670	4,764	4,790	4,885	4,926	4,866	4,850	4,824	4,791	4,745	21%
FTDES	2,422	2,878									2,924	2%
Chesapeake CC												
FTES	1,177	1,387	1,422	1,438	1,451	1,464	1,488	1,501	1,512	1,524	1,536	31%
FTDES	815	961									1,064	11%

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

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
Frederick CC												
FTES	3,467	4,106	4,202	4,245	4,297	4,331	4,372	4,395	4,418	4,436	4,453	28%
FTDES	2,228	2,638									2,861	8%
Garrett												
FTES	455	552	564	571	575	581	588	591	595	598	602	32%
FTDES	331	401									438	9%
Hagerstown CC												
FTES	2,538	3,002	3,081	3,126	3,143	3,168	3,264	3,309	3,361	3,416	3,474	37%
FTDES	1,497	1,771									2,049	16%
Harford CC												
FTES	3,490	4,144	4,233	4,264	4,322	4,371	4,355	4,355	4,349	4,337	4,318	24%
FTDES	2,331	2,768									2,884	4%
Howard CC												
FTES	5,936	7,064	7,234	7,313	7,389	7,451	7,552	7,608	7,664	7,717	7,768	31%
FTDES	4,027	4,792									5,270	10%
Montgomery												
FTES	13,591	16,110	16,383	16,395	16,683	16,990	16,419	16,206	15,941	15,623	14,560	12%
FTDES	10,034	11,893									8,974	-5%
Prince George's CC												
FTES	7,306	8,682	8,950	9,138	9,087	9,160	9,724	10,003	10,324	10,688	11,112	52%
FTDES	4,188	4,977									6,370	28%
Wor-Wic CC												
FTES	1,599	1,879	1,920	1,935	1,958	1,984	1,973	1,970	1,966	1,957	1,945	22%
FTDES	1,141	1,341									1,388	4%

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

	FALL 19 FY 20 Actual	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	FALL 29 FY 30 Projected	% Change 19-29
Total Community Colleges												
FTES	69,704	82,673	84,617	85,493	86,349	87,213	88,137	88,718	89,301	89,895	89,805	29%
FTDES	46,339	54,966	███	███	███	███	███	███	███	███	57,600	5%

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 2029 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 2029 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 2029 (FY 2030).

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 2029.

PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2020 - 2029

College	Actual FY 19	Projected FY 20	Projected FY 21	Projected FY 22	Projected FY 23	Projected FY 24	Projected FY 25	Projected FY 26	Projected FY 27	Projected FY 28	Projected FY 29	Percent Change FY 20-FY 29
Allegany	512	514	516	518	520	522	524	526	528	530	532	4%
Anne Arundel	3,048	3,059	3,070	3,081	3,092	3,103	3,114	3,126	3,138	3,150	3,162	4%
Baltimore City	1,505	1,511	1,517	1,523	1,529	1,535	1,541	1,547	1,553	1,559	1,565	4%
Baltimore County	4,622	4,639	4,656	4,673	4,690	4,707	4,724	4,741	4,759	4,777	4,795	4%
Carroll	432	434	436	438	440	442	444	446	448	450	452	5%
Cecil	300	301	302	303	304	305	306	307	308	309	310	3%
Chesapeake	648	650	652	654	656	658	660	662	664	666	668	3%
Frederick	639	641	643	645	647	649	651	653	655	657	659	3%
Garrett	202	203	204	205	206	207	208	209	210	211	212	5%
Hagerstown	760	763	766	769	772	775	778	781	784	787	790	4%
Harford	853	856	859	862	865	868	871	874	877	880	883	4%
Howard	1,395	1,400	1,405	1,410	1,415	1,420	1,425	1,430	1,435	1,440	1,445	4%
Montgomery	2,993	3,004	3,015	3,026	3,037	3,048	3,059	3,070	3,081	3,092	3,103	4%
Prince George's	4,327	4,343	4,359	4,375	4,391	4,407	4,423	4,439	4,455	4,471	4,488	4%
Southern Maryland	607	609	611	613	615	617	619	621	623	625	627	3%
Wor-Wic	813	816	819	822	825	828	831	834	837	840	843	4%
SYSTEMWIDE	23,656	23,743	23,830	23,917	24,004	24,091	24,178	24,266	24,355	24,444	24,534	4%

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 2029 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.