

# Enrollment Projections 2021-2030 Maryland Public Colleges and Universities

**April 2021** 

Lawrence J. Hogan, Jr. Governor

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# Maryland Higher Education Commission 10-Year Enrollment Projections 2021-2030

Each year the Maryland Higher Education Commission (MHEC) prepares 10-year enrollment projections for public institutions. 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 for public higher education.

The materials 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 are calculated by applying a mathematical formula to the headcount figures. Projections are also developed for state-funding-eligible FTE noncredit continuing education enrollments at the community colleges. The projections model involves the application of a linear regression analysis to demographic and economic factors.

After careful consideration<sup>1</sup> and a review of the projections model and its data sources, MHEC has decided that the projections reporting for the 2020 report (projecting annual changes to enrollment from 2020 to 2029) will serve as the basis for the 2021 to 2030 Enrollment Projections. These are the key drivers of this decision:

- Fall 2020 undergraduate and graduate student data, which would serve as the baseline for the projections model, reflects unprecedented upheaval in Maryland's colleges and universities enrollment due to the Covid-19 pandemic;
- A number of the variables integral to the linear regression model including Maryland high school graduate projections, per capita income, and population projections rely on data that has not been updated for the past two to four years. It is felt that these are specious data to use in the model and likely will cause the projections to be an unreliable predictor of future enrollment; and
- The model relies on FTE and FTDE data collected each Fall by MHEC that requires institutions to distinguish distance education students from students taking courses on the campus; this year MHEC issued temporary guidance to institutions to ameliorate colleges' concerns that their data for Fall 2020 under-represented their student enrollments and their subsequent space needs (again, due to various pedagogical accommodations to maintain safe learning environments during the Covid-19 pandemic). Despite this guidance, institutions faced challenges in estimating their in-person versus distance education courses for the near future; using these data in our model would have unintended, and possibly, negative effects on projections.

As such, the 2021-2030 report reflects these changes, and the only modification made is to ensure the same data values from the 2029

<sup>&</sup>lt;sup>1</sup> MHEC consulted with key staff from the Department of Budget and Management and the Department of Legislative Services in making this decision.

year have been projected to 2030, as well. This means that each section of the report – community college and public four-year institution FTE and headcount enrollment - has been updated so the values hold constant for fiscal year 2030 and fiscal year 2031. Values for earlier years, fiscal year 2020 through fiscal year 2029, have been maintained, as well.<sup>2</sup>

In the coming year, MHEC will monitor the data collected by the agency and data used for the model in an effort to plan for the 2022 reporting cycle.

<sup>&</sup>lt;sup>2</sup> The 2021-2030 report also contains the Fall 2019 Actuals as the baseline for the model; these mirror the Fall 2019 data that was included in the 2020-2029 Enrollment Projections Report.

### **Assumptions of the Projection Models**

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

Students were distributed among the community colleges chiefly on the basis of 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.

### MARYLAND HIGHER EDUCATION COMMISSION

### Enrollment Projection Model - Four Year Colleges and Universities

These were the assumptions and steps used in projecting the headcount enrollments at Maryland's public four-year colleges and universities for the 20-29 Report and were extended to the 2021-2030 Report..

### **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 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.
- 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. 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.

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected Projected	Projected**							
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	4,729
	Part-time	898	913	920	933	947	962	979	987	996	1,006	1,018	1,018
	Total Undergraduate	5,227	5,244	5,285	5,360	5,437	5,514	5,593	5,630	5,667	5,706	5,747	5,747
	Graduate												
	Full-time	476	482	491	499	509	519	531	543	556	571	587	587
	Part-time	468	475	483	485	486	486	486	482	478	474	469	469
	Total Graduate	944	957	974	984	995	1,005	1,017	1,025	1,034	1,045	1,056	1,056
Total Heado	count	6,171	6,201	6,259	6,344	6,432	6,519	6,610	6,655	6,701	6,751	6,803	6,803
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	1,956
	Part-time	579	587	590	595	600	604	608	605	602	598	594	594
	Total Undergraduate	2,383	2,393	2,408	2,438	2,468	2,497	2,526	2,533	2,539	2,545	2,550	2,550
	Graduate												
	Full-time	113	114	115	116	117	118	119	119	119	119	119	119
	Part-time	228	235	236	238	239	241	243	243	243	243	243	243
	Total Graduate	341	349	351	354	356	359	362	362	362	362	362	362
Total Heado	count	2,724	2,742	2,759	2,792	2,824	2,856	2,888	2,895	2,901	2,907	2,912	2,912
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	3,847
	Part-time	907	922	929	942	957	972	988	997	1,006	1,017	1,028	1,028
	Total Undergraduate	4,429	4,445	4,480	4,544	4,610	4,675	4,742	4,774	4,807	4,841	4,875	4,875
	Graduate												
	Full-time	236	239	243	247	252	257	263	269	276	283	291	291
	Part-time	513	521	530	531	532	533	533	529	524	519	514	514
	Total Graduate	749	760	773	778	784	790	796	798	800	802	805	805
Total Heado	count	5,178	5,205	5,253	5,322	5,394	5,465	5,538	5,572	5,607	5,643	5,680	5,680

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
					•	•	•	•		-			-
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	7,738
	Part-time	596	605	609	616	623	629	636	637	638	639	640	640
	Total Undergraduate	7,686	7,702	7,757	7,866	7,975	8,082	8,191	8,238	8,285	8,331	8,378	8,378
	Graduate												_
	Full-time	530	536	544	551	558	565	573	580	587	594	602	602
	Part-time	401	413	416	419	422	425	429	430	431	432	433	433
	Total Graduate	931	949	960	970	980	990	1,002	1,010	1,018	1,026	1,035	1,035
Total Heado	count	8,617	8,651	8,717	8,836	8,955	9,072	9,193	9,248	9,303	9,357	9,413	9,413
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	18,799
	Part-time	2,410	2,449	2,468	2,504	2,542	2,582	2,626	2,648	2,674	2,701	2,732	2,732
	Total Undergraduate	19,619	19,665	19,819	20,103	20,389	20,677	20,970	21,105	21,245	21,385	21,531	21,531
	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	1,255
	Part-time	2,073	2,104	2,141	2,147	2,151	2,153	2,153	2,137	2,118	2,097	2,076	2,076
	Total Graduate	3,090	3,134	3,189	3,213	3,238	3,263	3,288	3,298	3,307	3,317	3,331	3,331
Total Heado	count	22,709	22,799	23,008	23,316	23,627	23,940	24,258	24,403	24,552	24,702	24,862	24,862
•		•			•						•		
University of	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	1,122
	Part-time	905	916	914	915	912	906	897	877	854	828	801	801
	Total Undergraduate	2,097	2,106	2,106	2,114	2,115	2,109	2,097	2,062	2,021	1,974	1,923	1,923
	Graduate												
	Full-time	997	1,006	1,015	1,021	1,025	1,026	1,025	1,020	1,013	1,004	993	993
	Part-time	1,382	1,422	1,428	1,432	1,436	1,438	1,439	1,430	1,419	1,407	1,394	1,394
	Total Graduate	2,379	2,428	2,443	2,453	2,461	2,464	2,464	2,450	2,432	2,411	2,387	2,387
Total Heado	<u>.</u>	4,476	4,534	4,549	4,567	4,576	4,573	4,561	4,512	4,453	4,385	4,310	4,310
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		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
		-		•		•	•	•			-	•	
University of N	Maryland Baltimore												
l	Undergraduate												
_	Full-time	695	695	701	711	721	731	741	745	750	755	759	759
_	Part-time	183	186	187	190	193	196	199	201	203	205	207	207
-	Total Undergraduate	878	881	888	901	914	927	940	946	953	960	966	966
	Graduate												_
· <del>-</del>	Full-time	4,399	4,457	4,533	4,613	4,700	4,800	4,910	5,020	5,143	5,278	5,427	5,427
	Part-time	1,550	1,573	1,601	1,605	1,609	1,610	1,610	1,598	1,584	1,568	1,552	1,552
F	Total Graduate	5,949	6,030	6,134	6,218	6,309	6,410	6,520	6,618	6,727	6,846	6,979	6,979
Total Headcou	int	6,827	6,911	7,022	7,119	7,223	7,337	7,460	7,564	7,680	7,806	7,945	7,945
UMBC													
l	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	10,308
	Part-time	1,624	1,650	1,663	1,687	1,713	1,740	1,770	1,785	1,802	1,820	1,841	1,841
F	Total Undergraduate	11,060	11,090	11,177	11,337	11,499	11,662	11,828	11,905	11,985	12,065	12,149	12,149
	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	1,551
	Part-time	1,285	1,304	1,327	1,331	1,334	1,335	1,335	1,325	1,313	1,300	1,287	1,287
F	Total Graduate	2,542	2,578	2,622	2,649	2,677	2,706	2,738	2,759	2,782	2,808	2,838	2,838
Total Headcou	int	13,602	13,668	13,799	13,986	14,176	14,368	14,566	14,664	14,767	14,873	14,987	14,987
						•							
UM College Pa	ark												
l	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	31,440
	Part-time	2,121	2,152	2,164	2,189	2,214	2,238	2,263	2,266	2,270	2,273	2,277	2,277
F	Total Undergraduate	30,511	30,790	30,999	31,447	31,902	32,356	32,818	33,037	33,257	33,486	33,717	33,717
Ī	Graduate		<u>-</u>		-	<u>-</u>	-	-	•	•	•	<u>-</u>	
-	Full-time	7,877	7,952	8,026	8,073	8,100	8,114	8,107	8,060	7,994	7,905	7,794	7,794
	Part-time	2,355	2,425	2,439	2,453	2,467	2,481	2,495	2,493	2,490	2,487	2,484	2,484
F	Total Graduate	10,232	10,377	10,465	10,526	10,567	10,595	10,602	10,553	10,484	10,392	10,278	10,278
Total Headcou	ınt	40,743	41,167	41,464	41,973	42,469	42,951	43,420	43,590	43,741	43,878	43,995	43,995
. Star i readdod	411	70,770	-+1,107	-11,707	-+1,070	12,700	72,001	70,720	10,000	10,741	10,070	-10,000	-10,000

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
			_										
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	2,287
	Part-time	238	242	243	246	249	252	254	255	255	255	256	256
	Total Undergraduate	2,333	2,338	2,354	2,387	2,420	2,454	2,486	2,501	2,515	2,528	2,543	2,543
	Graduate												
	Full-time	345	350	354	358	362	366	370	373	376	379	382	382
	Part-time	208	211	212	214	215	216	217	217	217	217	216	216
	Total Graduate	553	561	566	572	577	582	587	590	593	596	598	598
Total Headco	ount	2,886	2,899	2,920	2,959	2,997	3,036	3,073	3,091	3,108	3,124	3,141	3,141
UM Global C	ampus												
	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	10,134
	Part-time	36,690	37,249	37,454	37,875	38,290	38,696	39,103	39,133	39,170	39,193	39,221	39,221
	Total Undergraduate	46,162	46,534	46,807	47,361	47,910	48,450	48,991	49,082	49,181	49,265	49,355	49,355
	Graduate												
	Full-time	90	91	92	93	94	95	96	97	98	99	99	99
	Part-time	12,029	12,479	12,486	12,570	12,674	12,783	12,892	12,927	12,968	13,009	13,062	13,062
	Total Graduate	12,119	12,570	12,578	12,663	12,768	12,878	12,988	13,024	13,066	13,108	13,161	13,161
Total Headco	ount	58,281	59,104	59,385	60,024	60,678	61,328	61,979	62,106	62,247	62,373	62,516	62,516
		•				•	•	•	-	-		•	
TOTAL SYS	TEM 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	93,119
	Part-time	47,151	47,871	48,141	48,692	49,240	49,777	50,323	50,391	50,470	50,535	50,615	50,615
	Total Undergraduate	132,385	133,188	134,103	135,847	137,650	139,403	141,182	141,813	142,455	143,086	143,734	143,734
	Graduate		-		-	<u>-</u>	-	-	-	-	<u>-</u>	<u>-</u>	
	Full-time	17,337	17,531	17,756	17,955	18,147	18,341	18,532	18,676	18,820	18,960	19,100	19,100
	Part-time	22,492	23,162	23,299	23,425	23,565	23,701	23,832	23,811	23,785	23,753	23,730	23,730
	Total Graduate	39,829	40,693	41,055	41,380	41,712	42,042	42,364	42,487	42,605	42,713	42,830	42,830
Total Headco	ount	172,214	173,881	175,158	177,227	179,362	181,445	183,546	184,300	185,060	185,799	186,564	186,564
. otal Head	Zan t	112,214	170,001	170,100	111,221	170,002	101,770	100,040	10-1,000	100,000	100,100	100,004	100,004

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
			-										
Morgan State	)												
	Undergraduate	1											
	Full-time	5,759	5,765	5,808	5,892	5,977	6,062	6,148	6,189	6,231	6,273	6,316	6,316
	Part-time	702	713	719	729	740	751	763	769	775	783	791	791
	Total Undergraduate	6,461	6,478	6,527	6,621	6,717	6,813	6,911	6,958	7,006	7,056	7,107	7,107
	Graduate												
	Full-time	999	1,011	1,026	1,041	1,056	1,072	1,089	1,105	1,122	1,140	1,160	1,160
	Part-time	303	312	314	316	318	319	321	321	321	321	320	320
	Total Graduate	1,302	1,323	1,340	1,357	1,374	1,391	1,410	1,426	1,443	1,461	1,480	1,480
Total Headco	unt	7,763	7,801	7,867	7,978	8,091	8,204	8,321	8,384	8,449	8,517	8,587	8,587
St. Mary's Co	ollege												
	Undergraduate	1											
•	Full-time	1,435	1,436	1,445	1,465	1,483	1,502	1,519	1,525	1,531	1,535	1,540	1,540
	Part-time	56	57	57	58	58	59	60	60	60	60	60	60
	Total Undergraduate	1,491	1,493	1,502	1,523	1,541	1,561	1,579	1,585	1,591	1,595	1,600	1,600
	Graduate												
•	Full-time	21	21	21	22	22	22	22	23	23	23	23	23
	Part-time	1	1	1	1	1	1	1	1	1	1	1	1
	Total Graduate	22	22	22	23	23	23	23	24	24	24	24	24
Total Headco	unt	1,513	1,515	1,524	1,546	1,564	1,584	1,602	1,609	1,615	1,619	1,624	1,624
TOTAL 4-YE	AR PUBLIC												
	Undergraduate	1											
•	Full-time	92,428	92,518	93,215	94,512	95,870	97,190	98,526	99,136	99,747	100,359	100,975	100,975
	Part-time	47,909	48,641	48,917	49,479	50,038	50,587	51,146	51,220	51,305	51,378	51,466	51,466
	Total Undergraduate	140,337	141,159	142,132	143,991	145,908	147,777	149,672	150,356	151,052	151,737	152,441	152,441
	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	20,283
	Part-time	22,796	23,475	23,614	23,742	23,884	24,021	24,154	24,133	24,107	24,075	24,051	24,051
	Total Graduate	41,153	42,038	42,417	42,760	43,109	43,456	43,797	43,937	44,072	44,198	44,334	44,334
Total Headco	unt	181,490	183,197	184,549	186,751	189,017	191,233	193,469	194,293	195,124	195,935	196,775	196,775

<sup>\*</sup> The 2021-2030 report contains the Actuals from 2019 (FY20) and projects to 2030 (FY31).

\*\* Due to a number of factors, MHEC is using the data produced for the *Enrollment Projectic* 

<sup>\*\*</sup> Due to a number of factors, MHEC is using the data produced for the Enrollment Projections 2020-2029 Maryland Public Colleges and Universities Report as the basis for the 2021 to 2030 projections.

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

		E-II 2010	E411.00	FALL 04	FALL 00	FALL 00	FALL 04	FALL 05	FALL 00	FALL 07	E411.00	E411.00	F II 00
		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected Projected	Projected	Projected**
Bowie	T		1	T		ı	ı	T	T	ı	1	1	
	FTES	5,082	5,097	5,143	5,216	5,291	5,365	5,442	5,483	5,524	5,569	5,615	5,615
	FTDES	4,171										4,609	4,609
		1											
Coppin	T		T	1		Г	Г	1	1	Г	T		
	FTES	2,220	2,228	2,243	2,272	2,300	2,328	2,357	2,366	2,374	2,383	2,391	2,391
	FTDES	1,373										1,479	1,479
		a7											
Frostburg				7		1	1	ı	1	1			
	FTES	4,045	4,056	4,092	4,149	4,207	4,265	4,325	4,354	4,385	4,416	4,447	4,447
	FTDES	3,299										3,627	3,627
		=											
Salisbury													
	FTES	7,766	7,786	7,846	7,956	8,065	8,174	8,285	8,337	8,390	8,441	8,494	8,494
	FTDES	6,527										7,139	7,139
	•	_											
Towson													
	FTES	18,813	18,854	19,018	19,285	19,555	19,827	20,102	20,237	20,374	20,514	20,660	20,660
	FTDES	15,339										16,845	16,845
University of	of Baltimore												
	FTES	2,908	2,931	2,943	2,958	2,966	2,966	2,959	2,930	2,894	2,852	2,804	2,804
	FTDES	1,285										1,239	1,239
													· · · · · · · · · · · · · · · · · · ·
University of	of Maryland Baltimore												
	FTES	6,817	6,897	7,007	7,118	7,238	7,372	7,517	7,650	7,799	7,962	8,140	8,140
	FTDES	5,457	1,11	,	,	,	,-	,-	,,,,,	,	,	6,516	6,516
												-,-	-,-
UMBC													
	FTES	11,170	11,205	11,307	11,469	11,632	11,798	11,968	12,059	12,155	12,253	12,357	12,357
	FTDES	9,468	11,200	, ,,,,,,,,,	, , , , , ,	,	,	, ,,,,,,,,	,_,,	12,100	1,	10,474	10,474
		0, 100											.0,
UM College	Park												
om oonege	FTES	34,142	34,465	34,718	35,154	35,579	35,992	36,393	36,546	36,682	36,806	36,911	36,911
	FTDES	30,118	3-1,-100	37,710	30,104	30,070	50,002	30,000	30,0-70	30,002	30,000	32,561	32,561
	17020	50,110										JZ,JU1	JZ,JU1

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

	Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
	Actual*	Projected**	Projected	Projected**								
LIMES												
IFTES	2,684	2,692	2,713	2,750	2,786	2,824	2,860	2,878	2,896	2.042	2.020	2.020
FTDES		2,092	2,713	2,750	2,700	2,024	2,000	2,070	2,090	2,912	2,930	2,930
FIDES	2,069										2,259	2,259
UM Global Campus												
FTES	34,647	34,849	35,037	35,443	35,856	36,268	36,680	36,793	36,912	37,024	37,144	37,144
FTDES	n/a										n/a	n/a
·		-										
TOTAL SYSTEM OF MD.												
FTES	130,294	131,060	132,067	133,770	135,475	137,179	138,888	139,633	140,385	141,132	141,893	141,893
FTDES (except UMU	IC) 79,106										86,748	86,748
Morgan State												
FTES	6,972	6,997	7,056	\ ' ' /	7,260	7,363	•	7,527	7,587	7,649	7,713	7,713
FTDES	5,378	6,997	7,056	7,137	7,200	7,303	7,409	1,321	7,007	7,049	5,949	
FIDES	5,376										5,949	5,949
St. Mary's College												
FTES	1,547	1,548	1,558	1,580	1,599	1,619	1,637	1,645	1,651	1,655	1,661	1,661
FTDES	1,416										1,521	1,521
TOTAL 4-YEAR PUBLIC												
FTES	138,813	139,605	140,681	142,507	144,334	146,161	147,994	148,805	149,623	150,436	151,267	151,267
FTDES (except UML	IC) 85,900										94,218	94,218

<sup>\*</sup> The 2021-2030 report contains the Actuals from 2019 (FY20) and projects to 2030 (FY31).

<sup>\*\*</sup> Due to a number of factors, MHEC is using the data produced for the Enrollment Projections 2020-2029 Maryland Public Colleges and Universities Report as the basis for the 2021 to 2030 projections.

### MARYLAND HIGHER EDUCATION COMMISSION

### **Enrollment Projection Model - Community Colleges**

These were the assumptions and steps used in projecting the headcount enrollments at Maryland's public community colleges for the 2020-29 Report and were extended to the 2021-30 Report.

### **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 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.
- 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.

### Projections of Headcount Enrollment at Maryland Community Colleges

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
					Projected		Projected Projected						Projected**
Allegany College o	~€ M A	Actual	riojetieu	riojecieu	riojala	riojeteu	riojede	riojada	riojeteu	riojede	riojecieu	riojede	riojecieu
	-time	1,032	1,266	1,290	1,296	1,319	1,332	1,315	1,313	1,307	1,299	1,288	1,288
	-time	1,552	1,751	1,797	1,820	1,844	1,855	1,888	1,902	1,915	1,929	1,200	1,288
Total Headcount	-une	2,584	3,017	3,087	3,116	3,163	3,187	3,203	3,215	3,222	3,228	3,231	3,231
Total Fleaucount		2,504	3,017	3,007	3,110	3,103	3, 107	3,203	3,213	3,222	3,220	3,231	3,231
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	4,952
Part-	-time	9,051	10,197	10,427	10,501	10,560	10,798	10,716	10,672	10,611	10,533	10,438	10,438
Total Headcount		12,655	14,625	14,959	15,086	15,174	15,457	15,459	15,467	15,458	15,435	15,390	15,390
				•	•			•	•		•		
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	2,710
Part-	-time	3,330	3,784	3,937	4,070	4,238	4,008	4,492	4,713	4,980	5,300	5,679	5,679
Total Headcount		4,909	5,734	5,952	6,139	6,270	6,059	6,730	7,044	7,419	7,865	8,389	8,389
		_											_
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	1,630
Part-	-time	2,027	2,287	2,348	2,377	2,409	2,422	2,466	2,483	2,501	2,520	2,538	2,538
Total Headcount		3,115	3,627	3,724	3,777	3,805	3,831	3,940	3,990	4,045	4,106	4,168	4,168
		•											
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	6,724
Part-	-time	12,679	14,310	14,687	14,872	15,066	15,154	15,429	15,534	15,645	15,758	15,875	15,875
Total Headcount		17,732	20,514	21,028	21,273	21,531	21,681	22,007	22,156	22,307	22,455	22,599	22,599
Cecil CC				T	T	·		T	1		T		,
Full-	-time	762	935	955	964	974	985	989	995	999	1,003	1,005	1,005
Part-	-time	1,615	1,822	1,868	1,889	1,911	1,929	1,953	1,961	1,969	1,977	1,984	1,984
Total Headcount		2,377	2,757	2,823	2,853	2,885	2,914	2,942	2,956	2,968	2,980	2,989	2,989

### Projections of Headcount Enrollment at Maryland Community Colleges

Fall 2019   FALL 20   FALL 21   FALL 22   FALL 23   FALL 24   FALL 25   FALL 26   FALL 27   FALL 28   FALL 29   FY 20   FY 20   FY 21   FY 22   FY 23   FY 24   FY 25   FY 26   FY 27   FY 28   FY 29   FY 30   FY 30	Fall 30 FY 31 Projected**  2,664 5,126 7,790  776 1,991 2,767
CSM   Full-time   2,257   2,763   2,809   2,813   2,880   2,908   2,823   2,797   2,761   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,716   2,718   2,664   2,718   2,	2,664 5,126 7,790 776 1,991 2,767
Full-time	2,664 5,126 7,790 776 1,991 2,767
Full-time	5,126 7,790 776 1,991 2,767
Full-time	5,126 7,790 776 1,991 2,767
Part-time	5,126 7,790 776 1,991 2,767
Total Headcount 6,351 7,384 7,552 7,616 7,745 7,801 7,805 7,813 7,812 7,807 7,790  Chesapeake CC    Full-time   563   691   708   716   721   727   742   751   759   768   776     Part-time   1,621   1,828   1,875   1,896   1,918   1,936   1,960   1,968   1,976   1,984   1,999    Total Headcount   2,184   2,519   2,583   2,612   2,639   2,663   2,702   2,719   2,735   2,752   2,760      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     Part-time   4,286   4,838   4,964   5,027   5,093   5,122   5,216   5,251   5,289   5,327   5,366    Total Headcount   6,129   7,100   7,275   7,357   7,450   7,502   7,603   7,648   7,695   7,738   7,786    Garrett	7,790 776 1,991 2,767
Chesapeake CC    Full-time   563   691   708   716   721   727   742   751   759   768   776     Part-time   1,621   1,828   1,875   1,896   1,918   1,936   1,960   1,968   1,976   1,984   1,995     Total Headcount   2,184   2,519   2,583   2,612   2,639   2,663   2,702   2,719   2,735   2,752   2,765     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     Part-time   4,286   4,838   4,964   5,027   5,093   5,122   5,216   5,251   5,289   5,327   5,366     Total Headcount   6,129   7,100   7,275   7,357   7,450   7,502   7,603   7,648   7,695   7,738   7,786     Garrett	776 1,991 2,767
Full-time	1,991 2,767
Full-time	1,991 2,767
Part-time	1,991 2,767
Total Headcount   2,184   2,519   2,583   2,612   2,639   2,663   2,702   2,719   2,735   2,752   2,767	2,767
Frederick CC  Full-time	
Full-time 1,843 2,262 2,311 2,330 2,357 2,380 2,387 2,397 2,406 2,411 2,414 Part-time 4,286 4,838 4,964 5,027 5,093 5,122 5,216 5,251 5,289 5,327 5,366 Total Headcount 6,129 7,100 7,275 7,357 7,450 7,502 7,603 7,648 7,695 7,738 7,780 Garrett	,
Full-time 1,843 2,262 2,311 2,330 2,357 2,380 2,387 2,397 2,406 2,411 2,414 Part-time 4,286 4,838 4,964 5,027 5,093 5,122 5,216 5,251 5,289 5,327 5,366 Total Headcount 6,129 7,100 7,275 7,357 7,450 7,502 7,603 7,648 7,695 7,738 7,780 Garrett	T 1
Part-time         4,286         4,838         4,964         5,027         5,093         5,122         5,216         5,251         5,289         5,327         5,366           Total Headcount         6,129         7,100         7,275         7,357         7,450         7,502         7,603         7,648         7,695         7,738         7,780           Garrett	
Total Headcount 6,129 7,100 7,275 7,357 7,450 7,502 7,603 7,648 7,695 7,738 7,780  Garrett	2,414
Garrett	5,366
	7,780
Full-time   412   506   517   523   527   532   538   541   545   548   551	
	551
Part-time         239         270         277         279         283         286         290         291         293         294         296	296
Total Headcount 651 776 794 802 810 818 828 832 838 842 847	847
Hager stown CC Full-time 1.061 1.306 1.340 1.362 1.361 1.374 1.429 1.457 1.489 1.524 1.567	1 561
	1,561
Part-time 2,787 3,145 3,228 3,269 3,312 3,331 3,391 3,414 3,439 3,463 3,490	3,490
Total Headcount 3,848 4,451 4,568 4,631 4,673 4,705 4,820 4,871 4,928 4,987 5,057	5,051
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	
Part-time 3,773 4,255 4,358 4,401 4,441 4,506 4,527 4,532 4,534 4,532 4,537	2,437
Total Headcount 5,705 6,624 6,774 6,831 6,910 6,998 6,998 7,001 6,997 6,985 6,964	2,437 4,527

### Projections of Headcount Enrollment at Maryland Community Colleges

	Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
	Actual*	Projected**	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected**
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	4,291
Part-time	5,916	6,677	6,853	6,940	7,030	7,071	7,199	7,248	7,300	7,353	7,407	7,407
Total Headcount	9,110	10,599	10,864	10,991	11,117	11,198	11,371	11,453	11,536	11,618	11,698	11,698
M ontgomery												
Full-time	7,305	8,938	9,073	9,065	9,314	9,404	9,034	8,908	8,749	8,557	8,331	8,331
Part-time	13,955	15,703	16,020	16,076	16,089	16,629	16,231	16,048	15,825	15,560	15,256	15,256
Total Headcount	21,260	24,641	25,093	25,141	25,403	26,033	25,265	24,956	24,574	24,117	23,587	23,587
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	6,076
Part-time	8,280	9,345	9,592	9,714	9,838	9,897	10,075	10,146	10,216	10,289	10,370	10,370
Total Headcount	11,788	13,678	14,073	14,315	14,354	14,456	15,059	15,345	15,667	16,028	16,446	16,446
Wor-Wic CC												
Full-time	712	872	889	895	909	918	907	905	902	896	888	888
Part-time	2,178	2,455	2,514	2,536	2,557	2,600	2,604	2,602	2,599	2,593	2,583	2,583
Total Headcount	2,890	3,327	3,403	3,431	3,466	3,518	3,511	3,507	3,501	3,489	3,471	3,471
Total Community College	s											
Full-time	35,905	44,085	45,064	45,501	45,941	46,384	46,824	47,192	47,559	47,931	48,298	48,298
Part-time	77,383	87,288	89,488	90,470	91,454	92,437	93,419	93,781	94,143	94,501	94,869	94,869
Total Headcount	113,288	131,373	134,552	135,971	137,395	138,821	140,243	140,973	141,702	142,432	143,167	143,167
* TI 0004 0000	A . I	( 0040 /F	7(00)	+ + 0000 /F	(04)							

<sup>\*</sup> The 2021-2030 report contains the Actuals from 2019 (FY20) and projects to 2030 (FY31).

<sup>\*\*</sup> Due to a number of factors, MHEC is using the data produced for the Enrollment Projections 2020-2029 Maryland Public Colleges and Universities Report as the basis for the 2021 to 2030 projections.

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

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
Allegany Co													
	FTES	1,531	1,828	1,867	1,880	1,911	1,927	1,921	1,924	1,922	1,919	1,913	1,913
	FTDES	1,037	1,238									1,295	1,295
Anne Arund			l	I	I	1		l					
	FTES	7,502	8,868	9,073	9,161	9,216	9,357	9,421	9,464	9,499	9,532	9,553	9,553
	FTDES	4,826	5,705									6,146	6,146
Baltimore C	itv CC												
	FTES	3,299	3,940	4,083	4,203	4,227	4,156	4,583	4,788	5,029	5,315	5,648	5,648
	FTDES	2,040	2,436			·						3,492	3,492
		-											
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	2,834
	FTDES	2,368	2,822									3,324	3,324
0000													
CCBC	FTES	40.540	40.400	40.707	40.005	40.040	40.444	40.075	42.205	40.450	40.504	42.000	42,000
		10,510	12,429	12,727	12,865	13,010	13,114	13,275	13,365	13,452	13,534	13,609	13,609
	FTDES	6,134	7,254									7,942	7,942
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	1,735
	FTDES	920	1,091									1,179	1,179
		-											
CSM	<u> </u>		1	1	1	T		1	T		Г	Г	1
	FTES	3,930	4,670	4,764	4,790	4,885	4,926	4,866	4,850	4,824	4,791	4,745	4,745
	FTDES	2,422	2,878									2,924	2,924
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	1,536
	FTDES	815	961									1,064	1,064

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

		Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
		FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
		Actual*	Projected**	Projected	Projected**								
•		=											
Frederick C					_		_						
	FTES	3,467	4,106	4,202	4,245	4,297	4,331	4,372	4,395	4,418	4,436	4,453	4,453
	FTDES	2,228	2,638									2,861	2,861
Convett													
Garrett	FTES	455	552	564	571	575	581	588	591	595	598	602	602
	FTDES	331	401	304	371	5/5	561	300	391	393	390	438	438
	FIDES	331	401									430	430
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	3,474
	FTDES	1,497	1,771									2,049	2,049
		_											_
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	4,318
	FTDES	2,331	2,768									2,884	2,884
Howard CC													
i i owai u cc	FTES	5,936	7,064	7,234	7,313	7,389	7,451	7,552	7,608	7,664	7,717	7,768	7,768
	FTDES	4,027	4,792	7,204	7,515	7,509	7,401	7,552	7,000	7,004	7,717	5,270	5,270
	11020	1,027	1,702									0,270	0,210
M ontgomery	/												
	FTES	13,591	16,110	16,383	16,395	16,683	16,990	16,419	16,206	15,941	15,623	14,560	14,560
	FTDES	10,034	11,893									10,749	10,749
		<b>-</b>											
Prince Geor													
	FTES	7,306	8,682	8,950	9,138	9,087	9,160	9,724	10,003	10,324	10,688	11,112	11,112
	FTDES	4,188	4,977									6,370	6,370
Wor-Wic CO													
710 111000	FTES	1,599	1,879	1,920	1,935	1,958	1,984	1,973	1,970	1,966	1,957	1,945	1,945
	FTDES	1,141	1,341	1,020	1,000	1,000	1,001	1,010	1,010	1,000	1,001	1,388	1,388
		.,,	1,011									.,000	.,000

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

Fall 2	019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
FY	20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
Actual*		Projected**	Projected	Projected**								

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	89,805
FTDES	46,339	54,966									59,375	59,375

<sup>\*</sup> The 2021-2030 report contains the Actuals from 2019 (FY20) and projects to 2030 (FY31).

<sup>\*\*</sup> Due to a number of factors, MHEC is using the data produced for the Enrollment Projections 2020-2029 Maryland Public Colleges and Universities Report as the basis for the 2021 to 2030 projections.

### MARYLAND HIGHER EDUCATION COMMISSION

### Noncredit Continuing Education Enrollment Projection Model - Community Colleges

These were the assumptions and steps used in projecting the state-eligible full-time equivalent (FTE) noncredit continuing education enrollments at Maryland community colleges for the 2020-29 Report and were extended to the 2021-2030 Report.

### **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 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.

### PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS MARYLAND COMMUNITY COLLEGES

Fiscal Years 20-31

	Fall 2019	FALL 20	FALL 21	FALL 22	FALL 23	FALL 24	FALL 25	FALL 26	FALL 27	FALL 28	FALL 29	Fall 30
	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31
College	Actual*	Projected**	Projected	Projected**								
Allegany	512	514	516	518	520	522	524	526	528	530	532	532
Anne Arundel	3,048	3,059	3,070	3,081	3,092	3,103	3,114	3,126	3,138	3,150	3,162	3,162
Baltimore City	1,505	1,511	1,517	1,523	1,529	1,535	1,541	1,547	1,553	1,559	1,565	1,565
Baltimore County	4,622	4,639	4,656	4,673	4,690	4,707	4,724	4,741	4,759	4,777	4,795	4,795
Carroll	432	434	436	438	440	442	444	446	448	450	452	452
Cecil	300	301	302	303	304	305	306	307	308	309	310	310
Chesapeake	648	650	652	654	656	658	660	662	664	666	668	668
Frederick	639	641	643	645	647	649	651	653	655	657	659	659
Garrett	202	203	204	205	206	207	208	209	210	211	212	212
Hagerstown	760	763	766	769	772	775	778	781	784	787	790	790
Harford	853	856	859	862	865	868	871	874	877	880	883	883
Howard	1,395	1,400	1,405	1,410	1,415	1,420	1,425	1,430	1,435	1,440	1,445	1,445
Montgomery	2,993	3,004	3,015	3,026	3,037	3,048	3,059	3,070	3,081	3,092	3,103	3,103
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	4,488
Southern Maryland	607	609	611	613	615	617	619	621	623	625	627	627
Wor-Wic	813	816	819	822	825	828	831	834	837	840	843	843
SYSTEMWIDE	23,656	23,743	3 23,830	23,917	24,004	24,091	24,178	24,266	24,355	24,444	24,534	24,534

<sup>\*\*</sup> The 2012-2030 report contains the Actuals from 2019 (FY20) and projects to 2030 (FY31).

\*\* Due to a number of factors, MHEC is using the data produced for the Enrollment Projections 2020-2029 Maryland Public Colleges and Universities Report as the basis for the 2021 to 2030 projections.