



ENROLLMENT PROJECTIONS

2014 – 2023

MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

June 2014

Maryland Higher Education Commission

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2014-2023
Maryland Public Colleges and Universities**

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ENROLLMENT PROJECTIONS - MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

The Maryland Higher Education Commission has prepared enrollment projections for the public colleges and universities in the State through FY 2024. There are headcount projections for each higher education institution, with separate analyses for full- and part-time undergraduates and, as applicable, full- and part-time graduate/professional students. Full-time equivalent (FTE) and full-time day equivalent (FTDE) projections were calculated by applying a mathematical formula to the headcount figures. Projections also have been developed for state-eligible FTE noncredit continuing education enrollments at the community colleges.

These projections provide perspective to higher education policy discussions at the state level, including facilities planning, tuition and fees issues, articulation, funding priorities, and retention and graduation rates. The Department of Budget and Management and the General Assembly treat the Commission's analyses as the State's official enrollment projections.

The Commission used separate, but similar, methodologies for projecting credit enrollments at the community colleges and public four-year institutions. A third method was applied to produce the projections of noncredit continuing education enrollments at the community colleges. All three models involve the application of a linear regression analysis. While the enrollment projection model does not account for new policy decisions or unexpected occurrences that are difficult to quantify, MHEC does consult with individual institutions to take such factors into consideration. Historically, the models have been highly precise across all student categories at both the public two- and four-year institutions. Last year, the Commission's forecast of 315,124 students was 95.7% accurate. This is the ninth report in which it is possible to assess the performance of the projection model over a 10-year period. The Commission's 2004 projections were highly accurate for enrollment of all students at community colleges (99.1%). Largely because of the unanticipated enrollment changes that resulted from the recent economic recession, the four-year college projections for all students were slightly less precise (94.8%). However, for all students enrolled at Maryland public colleges (including both community colleges and four-year institutions), the 10-year projections were 97.5% accurate (and 99.1% accurate for all undergraduates).

Assumptions of the Projection Models

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

Students were distributed among the community colleges chiefly on the basis of the recent market share, growth rate of each institution, and the anticipated change in the college-age population in each campus' county or counties. The predicted number of students for the four-year campuses was determined largely by an examination of institution-provided projections, although the recent market share and growth rate of each campus also were factors.

Highlights of the Enrollment Projections

- Total headcount enrollment at Maryland public colleges and universities is projected to be 16% higher (48,680 students) in 2023. Total enrollments are expected to increase by 20% (28,314 students) at the community colleges and by 13% (20,366 students) at the public four-year campuses by 2023.
- Currently, full-time and part-time students constitute nearly equal percentages of the undergraduate student population at Maryland institutions. However, there will be considerable differences between the growth rates of full-time and part-time undergraduates attending community colleges and public four-year institutions over the next 10 years. At the two-year institutions, full-time students are projected to increase by 36% (+17,080 students) while part-time student enrollments are expected to increase by 12% (+11,234 students). Conversely, at the public four-year campuses, full-time undergraduates are anticipated to increase by just 10% (+8,714 students), while part-time undergraduate enrollments are estimated to rise by 20% (+6,325 students). These divergent trends will result in Maryland maintaining a nearly identical ratio of full-time to part-time students through 2023.
- Graduate and professional student enrollment is expected to increase by 12% (+5,327 students) by 2023. The majority of this increase is expected to occur among part-time attendees. While full-time graduate enrollment is expected to increase by only 1% (+187 students), part-time enrollments are expected to increase by 20% (+5,140 students).
- Like graduate enrollment, undergraduate enrollment is predicted to increase 13% by 2023. Slightly more than 15,000 additional undergraduate students are expected to be enrolled in Maryland public institutions by 2023. It is expected that over 70% of these students will attend full-time.
- At the community colleges, FTE and FTDE projected enrollments are expected to increase by 24% (+21,129 FTE students and +13,837 FTDE students) between FY15- 2024. FTE and FTDE figures are predicted to grow by 11% (+14,365 students) and 8% (+7,374 students), respectively, at the public four-year institutions.
- State-funded noncredit FTE continuing education enrollments at the community colleges are projected to increase by 7% to approximately 28,000 total students by FY 2023, an increase of 1,943 students.

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
Bowie													
Undergraduate													
	Full-time	3,521	3,572	3,625	3,654	3,679	3,714	3,763	3,783	3,825	3,857	3,873	10%
	Part-time	837	867	912	960	990	1,023	1,056	1,091	1,125	1,161	1,198	43%
Total Undergraduate		4,358	4,439	4,537	4,614	4,669	4,737	4,819	4,874	4,950	5,018	5,071	16%
Graduate													
	Full-time	453	463	470	475	477	479	481	484	487	489	493	9%
	Part-time	750	783	813	845	870	888	911	939	961	984	1,005	34%
Total Graduate		1,203	1,246	1,283	1,320	1,347	1,367	1,392	1,423	1,448	1,473	1,498	25%
Total Headcount		5,561	5,685	5,820	5,934	6,016	6,104	6,211	6,297	6,398	6,491	6,569	18%
Coppin													
Undergraduate													
	Full-time	2,251	2,284	2,318	2,338	2,354	2,377	2,409	2,422	2,450	2,471	2,481	10%
	Part-time	669	690	722	756	776	798	821	843	865	889	913	36%
Total Undergraduate		2,920	2,974	3,040	3,094	3,130	3,175	3,230	3,265	3,315	3,360	3,394	16%
Graduate													
	Full-time	133	136	138	139	139	139	140	140	141	141	142	7%
	Part-time	330	344	357	370	381	388	398	410	419	428	437	32%
Total Graduate		463	480	495	509	520	527	538	550	560	569	579	25%
Total Headcount		3,383	3,454	3,535	3,603	3,650	3,702	3,768	3,815	3,875	3,929	3,973	17%
Frostburg													
Undergraduate													
	Full-time	4,192	4,252	4,314	4,348	4,377	4,418	4,475	4,498	4,547	4,584	4,602	10%
	Part-time	511	530	558	588	607	629	650	672	694	717	741	45%
Total Undergraduate		4,703	4,782	4,872	4,936	4,984	5,047	5,125	5,170	5,241	5,301	5,343	14%
Graduate													
	Full-time	216	220	223	225	226	226	227	228	229	229	231	7%
	Part-time	554	579	602	627	646	660	678	701	718	736	752	36%
Total Graduate		770	799	825	852	872	886	905	929	947	965	983	28%
Total Headcount		5,473	5,581	5,697	5,788	5,856	5,933	6,030	6,099	6,188	6,266	6,326	16%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
Salisbury													
Undergraduate													
	Full-time	7,374	7,490	7,638	7,723	7,799	7,897	8,025	8,092	8,207	8,300	8,359	13%
	Part-time	630	652	686	722	744	769	794	819	844	871	899	43%
Total Undergraduate		8,004	8,142	8,324	8,445	8,543	8,666	8,819	8,911	9,051	9,171	9,258	16%
Graduate													
	Full-time	291	297	301	303	304	305	306	307	309	310	312	7%
	Part-time	348	363	376	390	401	408	418	430	439	449	458	32%
Total Graduate		639	660	677	693	705	713	724	737	748	759	770	21%
Total Headcount		8,643	8,802	9,001	9,138	9,248	9,379	9,543	9,648	9,799	9,930	10,028	16%
Towson													
Undergraduate													
	Full-time	16,588	16,935	17,294	17,544	17,775	18,058	18,411	18,626	18,952	19,230	19,433	17%
	Part-time	2,191	2,278	2,406	2,541	2,631	2,729	2,830	2,933	3,035	3,145	3,259	49%
Total Undergraduate		18,779	19,213	19,700	20,085	20,406	20,787	21,241	21,559	21,987	22,375	22,692	21%
Graduate													
	Full-time	1,198	1,219	1,236	1,243	1,245	1,247	1,249	1,251	1,257	1,258	1,262	5%
	Part-time	2,522	2,634	2,733	2,841	2,926	2,986	3,063	3,160	3,232	3,310	3,380	34%
Total Graduate		3,720	3,853	3,969	4,084	4,171	4,233	4,312	4,411	4,489	4,568	4,642	25%
Total Headcount		22,499	23,066	23,669	24,169	24,577	25,020	25,553	25,970	26,476	26,943	27,334	21%
University of Baltimore													
Undergraduate													
	Full-time	2,061	2,094	2,129	2,149	2,167	2,191	2,224	2,239	2,267	2,290	2,303	12%
	Part-time	1,465	1,520	1,602	1,689	1,745	1,806	1,869	1,933	1,997	2,065	2,135	46%
Total Undergraduate		3,526	3,614	3,731	3,838	3,912	3,997	4,093	4,172	4,264	4,355	4,438	26%
Graduate													
	Full-time	1,396	1,421	1,441	1,450	1,453	1,455	1,457	1,460	1,467	1,469	1,474	6%
	Part-time	1,596	1,666	1,728	1,796	1,849	1,886	1,934	1,995	2,040	2,088	2,131	34%
Total Graduate		2,992	3,087	3,169	3,246	3,302	3,341	3,391	3,455	3,507	3,557	3,605	20%
Total Headcount		6,518	6,701	6,900	7,084	7,214	7,338	7,484	7,627	7,771	7,912	8,043	23%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
UMB													
Undergraduate													
	Full-time	549	558	567	572	576	582	591	595	602	608	611	11%
	Part-time	197	204	214	225	232	239	246	254	261	269	278	41%
Total Undergraduate		746	762	781	797	808	821	837	849	863	877	889	19%
Graduate													
	Full-time	4,479	4,564	4,631	4,663	4,676	4,687	4,698	4,710	4,739	4,748	4,769	6%
	Part-time	1,059	1,105	1,145	1,189	1,224	1,247	1,278	1,317	1,346	1,377	1,405	33%
Total Graduate		5,538	5,669	5,776	5,852	5,900	5,934	5,976	6,027	6,085	6,125	6,174	11%
Total Headcount		6,284	6,431	6,557	6,649	6,708	6,755	6,813	6,876	6,948	7,002	7,063	12%
UMBC													
Undergraduate													
	Full-time	9,508	9,704	9,995	10,295	10,603	10,815	10,870	10,924	10,978	11,033	11,089	17%
	Part-time	1,628	1,660	1,710	1,762	1,814	1,851	1,860	1,869	1,879	1,888	1,897	17%
Total Undergraduate		11,136	11,364	11,705	12,056	12,418	12,666	12,729	12,793	12,857	12,921	12,986	17%
Graduate													
	Full-time	1,191	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	1,227	3%
	Part-time	1,581	1,701	1,789	1,880	1,973	2,069	2,135	2,202	2,270	2,340	2,412	53%
Total Graduate		2,772	2,928	3,016	3,106	3,200	3,296	3,362	3,429	3,497	3,567	3,639	31%
Total Headcount		13,908	14,292	14,721	15,163	15,617	15,962	16,091	16,222	16,354	16,489	16,625	20%
UMCP													
Undergraduate													
	Full-time	24,522	24,720	24,880	24,855	24,885	24,945	24,945	24,875	24,805	24,855	24,925	2%
	Part-time	2,136	2,105	2,170	2,145	2,140	2,155	2,155	2,150	2,145	2,145	2,150	1%
Total Undergraduate		26,658	26,825	27,050	27,000	27,025	27,100	27,100	27,025	26,950	27,000	27,075	2%
Graduate													
	Full-time	7,677	7,415	7,350	7,310	7,275	7,325	7,210	7,180	7,215	7,210	7,220	-6%
	Part-time	2,937	2,935	3,025	3,015	3,000	2,900	2,990	2,995	2,935	2,940	2,905	-1%
Total Graduate		10,614	10,350	10,375	10,325	10,275	10,225	10,200	10,175	10,150	10,150	10,125	-5%
Total Headcount		37,272	37,175	37,425	37,325	37,300	37,325	37,300	37,200	37,100	37,150	37,200	0%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
UMES													
Undergraduate													
	Full-time	3,171	3,213	3,257	3,279	3,297	3,324	3,364	3,378	3,411	3,435	3,445	9%
	Part-time	359	372	391	411	424	437	452	466	480	495	511	42%
Total Undergraduate		3,530	3,585	3,648	3,690	3,721	3,761	3,816	3,844	3,891	3,930	3,956	12%
Graduate													
	Full-time	430	439	447	451	453	456	458	460	464	466	469	9%
	Part-time	260	271	281	292	300	306	314	323	330	338	344	32%
Total Graduate		690	710	728	743	753	762	772	783	794	804	813	18%
Total Headcount		4,220	4,295	4,376	4,433	4,474	4,523	4,588	4,627	4,685	4,734	4,769	13%
UMUC													
Undergraduate													
	Full-time	5,917	5,532	5,449	5,449	5,586	5,753	5,926	6,104	6,287	6,475	6,670	13%
	Part-time	20,823	19,470	19,177	19,177	19,657	20,247	20,854	21,480	22,124	22,788	23,471	13%
Total Undergraduate		26,740	25,002	24,627	24,627	25,243	26,000	26,780	27,583	28,411	29,263	30,141	13%
Graduate													
	Full-time	214	200	197	197	202	208	214	221	227	234	241	13%
	Part-time	12,603	11,784	11,607	11,607	11,897	12,254	12,622	13,000	13,390	13,792	14,206	13%
Total Graduate		12,817	11,984	11,804	11,804	12,099	12,462	12,836	13,221	13,618	14,026	14,447	13%
Total Headcount		39,557	36,986	36,431	36,431	37,342	38,462	39,616	40,804	42,029	43,289	44,588	13%
TOTAL SYSTEM OF MD.													
Undergraduate													
	Full-time	79,654	80,354	81,466	82,206	83,098	84,075	85,002	85,535	86,331	87,139	87,790	10%
	Part-time	31,446	30,348	30,549	30,976	31,760	32,682	33,587	34,510	35,449	36,433	37,453	19%
Total Undergraduate		111,100	110,702	112,015	113,182	114,858	116,757	118,589	120,045	121,780	123,571	125,243	13%
Graduate													
	Full-time	17,678	17,601	17,661	17,683	17,677	17,754	17,667	17,668	17,762	17,781	17,840	1%
	Part-time	24,540	24,165	24,456	24,852	25,467	25,992	26,740	27,472	28,081	28,783	29,435	20%
Total Graduate		42,218	41,766	42,117	42,535	43,144	43,746	44,408	45,140	45,843	46,564	47,275	12%
Total Headcount		153,318	152,468	154,132	155,717	158,002	160,503	162,997	165,185	167,623	170,135	172,518	13%

Projections of Headcount Enrollment at Maryland Public Four-Year Institutions

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
Morgan State													
Undergraduate													
	Full-time	5,504	5,573	5,646	5,680	5,709	5,752	5,817	5,838	5,891	5,929	5,943	8%
	Part-time	748	774	814	855	882	910	939	969	998	1,030	1,062	42%
Total Undergraduate		6,252	6,347	6,460	6,535	6,591	6,662	6,756	6,807	6,889	6,959	7,005	12%
Graduate													
	Full-time	597	607	614	617	617	616	616	616	618	618	619	4%
	Part-time	697	729	758	790	815	833	857	886	908	931	953	37%
Total Graduate		1,294	1,336	1,372	1,407	1,432	1,449	1,473	1,502	1,526	1,549	1,572	21%
Total Headcount		7,546	7,683	7,832	7,942	8,023	8,111	8,229	8,309	8,415	8,508	8,577	14%
St. Mary's College													
Undergraduate													
	Full-time	1,762	1,731	1,787	1,843	1,901	1,901	1,901	1,901	1,901	1,901	1,901	8%
	Part-time	57	60	61	61	61	61	61	61	61	61	61	7%
Total Undergraduate		1,819	1,791	1,848	1,904	1,962	1,962	1,962	1,962	1,962	1,962	1,962	8%
Graduate													
	Full-time	27	30	30	30	30	30	30	30	30	30	30	11%
	Part-time	11	0	0	0	0	0	0	0	0	0	0	-100%
Total Graduate		38	30	30	30	30	30	30	30	30	30	30	-21%
Total Headcount		1,857	1,821	1,878	1,934	1,992	1,992	1,992	1,992	1,992	1,992	1,992	7%
TOTAL 4-YEAR PUBLIC													
Undergraduate													
	Full-time	86,920	87,658	88,899	89,729	90,708	91,728	92,720	93,274	94,123	94,969	95,634	10%
	Part-time	32,251	31,182	31,424	31,892	32,703	33,653	34,587	35,540	36,508	37,524	38,576	20%
Total Undergraduate		119,171	118,840	120,323	121,621	123,411	125,381	127,307	128,814	130,631	132,492	134,210	13%
Graduate													
	Full-time	18,302	18,238	18,305	18,330	18,324	18,400	18,313	18,314	18,410	18,429	18,489	1%
	Part-time	25,248	24,894	25,214	25,642	26,282	26,825	27,597	28,358	28,989	29,714	30,388	20%
Total Graduate		43,550	43,132	43,519	43,972	44,606	45,225	45,911	46,672	47,399	48,143	48,877	12%
Total Headcount		162,721	161,972	163,842	165,593	168,017	170,606	173,218	175,486	178,030	180,635	183,087	13%

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

	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FY15-24	
Bowie												
FTES	4,496	4,579	4,639	4,683	4,736	4,805	4,848	4,910	4,963	5,001	11%	
FTDES	3,696									4,111	11%	
Coppin												
FTES	2,678	2,727	2,763	2,788	2,820	2,863	2,886	2,924	2,955	2,977	11%	
FTDES	1,901									2,114	11%	
Frostburg												
FTES	4,578	4,656	4,707	4,748	4,798	4,865	4,902	4,961	5,009	5,041	10%	
FTDES	3,630									3,997	10%	
Salisbury												
FTES	8,016	8,181	8,284	8,371	8,479	8,618	8,697	8,823	8,928	9,001	12%	
FTDES	6,578									7,386	12%	
Towson												
FTES	19,198	19,636	19,964	20,247	20,574	20,976	21,252	21,630	21,961	22,222	16%	
FTDES	15,458									17,893	16%	
University of Baltimore												
FTES	4,628	4,732	4,814	4,872	4,931	5,004	5,064	5,136	5,200	5,257	14%	
FTDES	2,315									2,630	14%	
UMB												
FTES	6,581	6,691	6,756	6,793	6,825	6,864	6,901	6,958	6,991	7,034	7%	
FTDES	5,751									6,147	7%	
UMBC												
FTES	11,550	11,896	12,253	12,621	12,890	12,982	13,074	13,167	13,261	13,357	16%	
FTDES	9,987									11,549	16%	

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

	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FY15-24
UMCP											
FTES	31,300	31,575	31,525	31,525	31,550	31,550	31,450	31,400	31,425	31,475	0.6%
FTDES	29,257									29,259	0.01%
UMES											
FTES	3,885	3,947	3,983	4,010	4,047	4,097	4,120	4,165	4,198	4,219	9%
FTDES	3,192									3,467	9%
UMUC											
FTES	22,850	20,794	20,378	20,378	20,785	22,032	22,914	24,289	25,989	27,808	22%
FTDES	n/a									n/a	n/a
TOTAL SYSTEM OF MD.											
FTES	119,760	119,414	120,066	121,035	122,436	124,656	126,108	128,363	130,880	133,391	11%
FTDES (except UMUC)	81,765									88,553	8%
Morgan State											
FTES	6,653	6,756	6,817	6,863	6,920	7,002	7,043	7,115	7,171	7,204	8%
FTDES	5,069									5,489	8%
St. Mary's College											
FTES	1,918	1,979	2,038	2,100	2,100	2,100	2,100	2,100	2,100	2,100	9%
FTDES	1,757									1,924	9%
TOTAL 4-YEAR PUBLIC											
FTES	128,331	128,148	128,921	129,999	131,456	133,758	135,251	137,578	140,151	142,696	11%
FTDES (except UMUC)	88,591									95,965	8%

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 2023 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 2023 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 2023 (FY 2024).
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 2023. 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 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
Allegany College of M.d.													
	Full-time	1,719	1,765	1,770	1,834	1,872	1,887	1,912	1,940	1,969	2,025	2,043	19%
	Part-time	1,472	1,512	1,520	1,493	1,502	1,517	1,542	1,549	1,567	1,582	1,609	9%
	Total Headcount	3,191	3,277	3,290	3,327	3,374	3,404	3,454	3,489	3,536	3,607	3,652	14%
Anne Arundel CC													
	Full-time	4,940	5,065	5,243	5,486	5,666	5,782	5,926	6,027	6,140	6,361	6,536	32%
	Part-time	11,523	11,587	11,660	11,762	11,844	11,978	12,184	12,256	12,332	12,462	12,722	10%
	Total Headcount	16,463	16,652	16,903	17,248	17,510	17,760	18,110	18,283	18,472	18,823	19,258	17%
Baltimore City CC													
	Full-time	1,772	1,809	1,875	1,972	2,040	2,086	2,145	2,184	2,275	2,323	2,372	34%
	Part-time	3,622	3,653	3,680	3,710	3,742	3,790	3,842	3,891	3,913	3,983	4,059	12%
	Total Headcount	5,394	5,462	5,555	5,682	5,782	5,876	5,987	6,075	6,188	6,306	6,431	19%
Carroll CC													
	Full-time	1,437	1,495	1,548	1,616	1,668	1,702	1,743	1,773	1,788	1,852	1,907	33%
	Part-time	2,348	2,372	2,389	2,419	2,439	2,468	2,513	2,530	2,575	2,605	2,616	11%
	Total Headcount	3,785	3,867	3,937	4,035	4,107	4,170	4,256	4,303	4,363	4,457	4,523	19%
CCBC													
	Full-time	7,983	8,186	8,494	8,997	9,312	9,521	9,778	9,966	10,238	10,626	10,821	36%
	Part-time	15,998	15,921	15,934	15,939	15,962	16,055	16,242	16,248	16,402	16,487	16,744	5%
	Total Headcount	23,981	24,107	24,428	24,936	25,274	25,576	26,020	26,214	26,640	27,113	27,565	15%
Cecil CC													
	Full-time	1,038	1,071	1,113	1,164	1,207	1,236	1,272	1,299	1,334	1,388	1,427	37%
	Part-time	1,532	1,557	1,568	1,573	1,586	1,605	1,635	1,646	1,663	1,683	1,708	11%
	Total Headcount	2,570	2,628	2,681	2,737	2,793	2,841	2,907	2,945	2,997	3,071	3,135	22%

Projections of Headcount Enrollment at Maryland Community Colleges

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
College of Southern Maryland													
	Full-time	3,317	3,492	3,629	3,749	3,890	3,988	4,105	4,194	4,289	4,464	4,601	39%
	Part-time	5,464	5,610	5,647	5,664	5,705	5,772	5,873	5,910	5,963	6,029	6,060	11%
	Total Headcount	8,781	9,102	9,276	9,413	9,595	9,760	9,978	10,104	10,252	10,493	10,661	21%
Chesapeake CC													
	Full-time	854	889	920	952	983	1,004	1,029	1,047	1,057	1,096	1,134	33%
	Part-time	1,709	1,725	1,735	1,740	1,752	1,771	1,802	1,812	1,834	1,853	1,886	10%
	Total Headcount	2,563	2,614	2,655	2,692	2,735	2,775	2,831	2,859	2,891	2,949	3,020	18%
Frederick CC													
	Full-time	2,267	2,380	2,472	2,570	2,664	2,728	2,806	2,865	2,969	3,085	3,123	38%
	Part-time	3,783	3,902	3,925	3,974	4,022	4,087	4,042	4,222	4,273	4,339	4,426	17%
	Total Headcount	6,050	6,282	6,397	6,544	6,686	6,815	6,848	7,087	7,242	7,424	7,549	25%
Garrett													
	Full-time	597	597	612	637	652	659	667	675	683	701	709	19%
	Part-time	172	173	175	175	176	178	182	183	184	186	191	11%
	Total Headcount	769	770	787	812	828	837	849	858	867	887	900	17%
Hagerstown CC													
	Full-time	1,235	1,266	1,311	1,367	1,413	1,442	1,479	1,505	1,542	1,598	1,641	33%
	Part-time	3,668	3,708	3,745	3,780	3,820	3,877	3,958	3,995	4,059	4,116	4,197	14%
	Total Headcount	4,903	4,974	5,056	5,147	5,233	5,319	5,437	5,500	5,601	5,714	5,838	19%
Harford CC													
	Full-time	2,601	2,693	2,787	2,925	3,020	3,081	3,156	3,209	3,273	3,391	3,452	33%
	Part-time	4,391	4,462	4,504	4,520	4,565	4,631	4,724	4,766	4,815	4,880	4,995	14%
	Total Headcount	6,992	7,155	7,291	7,445	7,585	7,712	7,880	7,975	8,088	8,271	8,447	21%

Projections of Headcount Enrollment at Maryland Community Colleges

		FALL 13 FY 14 Actual	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FALL 13-23
Howard CC													
	Full-time	3,691	3,904	4,065	4,273	4,437	4,553	4,692	4,799	4,956	5,162	5,224	42%
	Part-time	6,278	6,473	6,533	6,659	6,759	6,891	6,856	7,164	7,273	7,409	7,583	21%
	Total Headcount	9,969	10,377	10,598	10,932	11,196	11,444	11,548	11,963	12,229	12,571	12,807	28%
Montgomery													
	Full-time	9,240	9,591	9,989	10,663	11,068	11,352	11,693	11,956	12,175	12,687	13,011	41%
	Part-time	16,915	17,132	17,367	17,665	17,920	18,257	18,709	18,958	19,256	19,604	20,109	19%
	Total Headcount	26,155	26,723	27,356	28,328	28,988	29,609	30,402	30,914	31,431	32,291	33,120	27%
Prince George's CC													
	Full-time	4,095	4,202	4,343	4,526	4,667	4,754	4,860	4,935	5,120	5,283	5,343	30%
	Part-time	9,730	9,795	9,835	9,860	9,904	9,995	10,161	10,177	10,283	10,332	10,500	8%
	Total Headcount	13,825	13,997	14,178	14,386	14,571	14,749	15,021	15,112	15,403	15,615	15,843	15%
Wor-Wic CC													
	Full-time	1,091	1,135	1,188	1,260	1,316	1,357	1,394	1,446	1,493	1,563	1,613	48%
	Part-time	2,325	2,368	2,401	2,438	2,473	2,519	2,565	2,614	2,652	2,698	2,759	19%
	Total Headcount	3,416	3,503	3,589	3,698	3,789	3,876	3,959	4,060	4,145	4,261	4,372	28%
Total Community Colleges													
	Full-time	47,877	49,540	51,359	53,991	55,875	57,132	58,657	59,820	61,301	63,605	64,957	36%
	Part-time	90,930	91,950	92,618	93,371	94,171	95,391	96,830	97,921	99,044	100,248	102,164	12%
	Total Headcount	138,807	141,490	143,977	147,362	150,046	152,523	155,487	157,741	160,345	163,853	167,121	20%

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

	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FY 15-24
Allegany College of M.d.											
FTES	2,213	2,220	2,274	2,314	2,333	2,366	2,395	2,430	2,489	2,515	14%
FTDES	1,470									1,671	14%
Anne Arundel CC											
FTES	10,170	10,400	10,716	10,952	11,135	11,377	11,520	11,677	11,978	12,277	21%
FTDES	6,581									7,945	21%
Baltimore City CC											
FTES	3,380	3,463	3,583	3,671	3,740	3,825	3,887	3,997	4,077	4,160	23%
FTDES	1,736									2,136	23%
Carroll CC											
FTES	2,645	2,713	2,803	2,871	2,921	2,986	3,028	3,062	3,148	3,216	22%
FTDES	1,721									2,093	22%
CCBC											
FTES	14,628	14,967	15,514	15,864	16,124	16,470	16,676	17,027	17,478	17,783	22%
FTDES	9,073									11,030	22%
Cecil CC											
FTES	1,697	1,746	1,802	1,853	1,891	1,940	1,973	2,016	2,081	2,131	26%
FTDES	1,036									1,302	26%
College of Southern Maryland											
FTES	5,721	5,880	6,014	6,179	6,307	6,468	6,576	6,696	6,907	7,064	23%
FTDES	3,248									4,010	23%
Chesapeake CC											
FTES	1,525	1,561	1,596	1,632	1,661	1,698	1,720	1,738	1,785	1,836	20%
FTDES	1,070									1,289	20%

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

	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FY 15-24
Frederick CC											
FTES	4,226	4,340	4,471	4,598	4,696	4,768	4,905	5,044	5,202	5,279	25%
FTDES	2,530									3,160	25%
Garrett											
FTES	617	631	655	669	676	685	693	701	719	728	18%
FTDES	455									537	18%
Hagerstown CC											
FTES	3,102	3,173	3,256	3,330	3,390	3,469	3,516	3,589	3,682	3,768	21%
FTDES	1,706									2,072	21%
Harford CC											
FTES	4,340	4,452	4,601	4,715	4,802	4,912	4,981	5,065	5,210	5,313	22%
FTDES	3,378									4,136	22%
Howard CC											
FTES	6,710	6,910	7,187	7,406	7,583	7,724	7,956	8,170	8,448	8,581	28%
FTDES	5,165									6,605	28%
Montgomery											
FTES	17,965	18,524	19,432	20,007	20,472	21,050	21,456	21,829	22,567	23,145	29%
FTDES	12,602									16,236	29%

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

	FALL 14 FY 15 Projected	FALL 15 FY 16 Projected	FALL 16 FY 17 Projected	FALL 17 FY 18 Projected	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	% Change FY 15-24
Prince George's CC											
FTES	8,616	8,795	9,015	9,195	9,330	9,517	9,609	9,863	10,070	10,204	18%
FTDES	5,032									5,960	18%
Wor-Wic CC											
FTES	2,165	2,237	2,331	2,408	2,471	2,530	2,607	2,674	2,770	2,849	32%
FTDES	1,452									1,910	32%
Total Community Colleges											
FTES	89,720	92,012	95,250	97,664	99,532	101,785	103,498	105,578	108,611	110,849	24%
FTDES	58,255									72,092	24%

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 2023 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 2023 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 2023 (FY 2024).
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 2023.

**PROJECTED STATE FUNDED NONCREDIT FULL-TIME EQUIVALENT TRENDS
MARYLAND COMMUNITY COLLEGES
FISCAL YEARS 2014-2023**

College	FY13 Actual	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	Percent Change FY13-23
Allegany	484	492	495	498	501	503	505	509	512	514	517	7%
Anne Arundel	3,778	3,811	3,845	3,879	3,913	3,948	3,983	4,018	4,054	4,090	4,126	9%
Baltimore City	2,636	2,400	2,436	2,473	2,510	2,547	2,585	2,624	2,663	2,703	2,744	4%
Baltimore County	4,280	4,296	4,312	4,328	4,344	4,360	4,377	4,394	4,411	4,428	4,445	4%
Carroll	549	556	563	570	577	584	591	598	605	612	620	13%
Cecil	530	383	393	402	412	423	433	444	455	467	478	-10%
Chesapeake	841	854	867	880	893	907	921	935	949	963	978	16%
Frederick	534	545	556	567	578	590	602	614	626	638	651	22%
Garrett	200	209	219	226	233	240	247	254	262	270	278	39%
Hagerstown	725	734	743	752	761	771	781	791	801	811	821	13%
Harford	968	981	994	1,007	1,020	1,034	1,048	1,062	1,076	1,090	1,104	14%
Howard	1,377	1,394	1,411	1,429	1,447	1,464	1,481	1,499	1,517	1,535	1,553	13%
Montgomery	3,237	3,249	3,261	3,273	3,285	3,297	3,309	3,321	3,333	3,345	3,357	4%
Prince George's	4,497	4,515	4,533	4,551	4,569	4,587	4,605	4,623	4,641	4,659	4,677	4%
Southern Maryland	903	912	921	930	939	948	957	966	975	984	993	10%
Wor-Wic	726	749	773	790	808	816	824	833	841	858	866	19%
SYSTEMWIDE	26,265	26,080	26,322	26,555	26,790	27,019	27,249	27,485	27,722	27,967	28,208	7%

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 2023 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.