Enrollment Projections

2018 – 2027

Maryland Public Colleges and Universities

June 2018

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Governor

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2018-2027
Maryland Public Colleges and Universities

ENROLLMENT PROJECTIONS - MARYLAND PUBLIC COLLEGES AND UNIVERSITIES

The Maryland Higher Education Commission has prepared enrollment projections for Maryland public colleges and universities through Fall 2027. The projections include headcount projections for each institution, with separate analyses for full- and part-time undergraduates and, as applicable, full- and part-time graduate/professional students. Full-time equivalent (FTE) and full-time day equivalent (FTDE) projections were calculated by applying a mathematical formula to the headcount figures.   Projections have also been developed for state-funding-eligible FTE noncredit continuing education enrollments at the community colleges.

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

The Commission used separate but similar methodologies for projecting credit enrollments at the community colleges and public four-year institutions. A third method was applied to produce the projections of noncredit continuing education enrollments at the community colleges. All three models involve the application of a linear regression analysis to demographic and economic factors.

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

Assumptions of the Projection Models

- *Credit enrollments* among Maryland residents can be predicted by applying the historical relationship between the state's population and past in-state enrollments to future population projections.

- The ratio of in-state to out-of-state students in Maryland will be relatively constant over time.

- The number of full-time undergraduates at both the community colleges and public four-year campuses will be affected by the trends in high school graduates.

- The number of full-time undergraduates at public four-year campuses will be influenced by the number of full-time students enrolling at the state's community colleges.

- Tuition increases will have an impact on full- and part-time community college enrollments.

- The number of part-time undergraduates at both the community colleges and public four-year campuses will be impacted by changes in the per capita disposable income, in constant dollars, of Maryland residents.

- *Noncredit continuing education enrollments* at community colleges can be forecasted by applying the historical relationship between the adult population 20 years of age or older in the county or service area of each two-year institution and past noncredit enrollments at each campus to future population projections.

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

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

	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 18-27
UMB											
FTES	6,948	7,055	7,130	7,218	7,338	7,454	7,550	7,680	7,719	7,756	14%
FTDES	5,909									6,596	12%
UMBC											
FTES	11,168	11,250	11,382	11,489	11,559	11,547	11,707	11,729	11,757	11,784	6%
FTDES	9,477									10,000	6%
UMCP											
FTES	34,745	35,268	35,917	36,507	37,026	37,306	38,105	38,493	38,860	39,241	14%
FTDES	30,399									34,333	13%
UMES											
FTES	3,293	3,312	3,343	3,366	3,379	3,391	3,411	3,413	3,416	3,421	4%
FTDES	2,598									2,699	4%
UMUC											
FTES	36,536	37,544	38,562	39,741	40,746	41,553	42,629	43,478	44,136	44,833	26%
FTDES	n/a									n/a	n/a
TOTAL SYSTEM OF MD.											
FTES	134,948	137,074	139,552	142,016	144,073	145,283	148,121	149,659	150,916	152,239	14%
FTDES (except UMUC)	81,317									88,876	9%

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

	FALL 18 FY 19 Projected	FALL 19 FY 20 Projected	FALL 20 FY 21 Projected	FALL 21 FY 22 Projected	FALL 22 FY 23 Projected	FALL 23 FY 24 Projected	FALL 24 FY 25 Projected	FALL 25 FY 26 Projected	FALL 26 FY 27 Projected	FALL 27 FY 28 Projected	% Change 18-27
Morgan State											
FTES	6,876	6,938	7,032	7,109	7,166	7,174	7,287	7,309	7,347	7,378	8%
FTDES	5,552									5,957	7%
St. Mary's College											
FTES	1,599	1,612	1,633	1,650	1,661	1,658	1,685	1,687	1,692	1,696	6%
FTDES	1,452									1,540	6%
TOTAL 4-YEAR PUBLIC											
FTES	143,423	145,624	148,217	150,775	152,900	154,115	157,093	158,655	159,955	161,313	14%
FTDES (except UMUC)	88,321									96,373	9%

MARYLAND HIGHER EDUCATION COMMISSION
Enrollment Projection Model - Four Year Colleges and Universities

These are the assumptions and steps used in projecting the headcount enrollments at Maryland's public four-year colleges and universities.

ASSUMPTIONS

1. Enrollments of Maryland residents can be forecast by matching the historical relationship between the state's population and past in-state enrollments, then incorporating population projections for the state.

2. The ratio of in-state to out-of-state students in Maryland will remain relatively constant.

3. The number of full-time undergraduates will be affected by trends in high school graduates and the number of full-time students enrolling at the state's community colleges.

4. The number of part-time undergraduates will be impacted by changes in the per capita disposable income, calculated in constant dollars, of Maryland residents.

STEPS

1. Total enrollment at Maryland's public four-year campuses during the past ten years were categorized by gender, age (11 groupings), and enrollment status (full- and part-time, undergraduate and graduate/professional). Students whose age was unknown were distributed in the other age categories on a proportional basis.

2. The percentage of students who were Maryland residents was determined for each gender and enrollment group.

3. The state's population during the ten-year period was categorized by gender and the same age groupings. The actual and projected population figures were obtained from the Maryland Office of Planning.

4.   A least-squares fit regression analysis was used to examine the relationship between the in-state enrollment (dependent variable) and the state's population (independent variable). This relationship was then applied to the population projections through the year 2027 to determine the projected enrollments of Maryland residents.

5.   Out-of-state enrollments were projected to be consistent with the ratio of in-state to out-of-state students in the last year in which actual enrollment figures were available. Separate ratios were used for each of the gender and enrollment categories.

6.   The annual percentage change in the number of Maryland full-time community college students over ten years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of full-time undergraduates.

7.   The annual projected change in the number of Maryland high school graduates through spring 2027 was integrated into the regression model as an independent variable for predicting the number of full-time undergraduates. Projections for Maryland high school graduates were obtained from the Western Interstate Commission for Higher Education.

8.   The annual percentage change in the per capita disposable income, in constant dollars, of Maryland residents over five years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of part-time undergraduates. The income information was obtained from the Bureau of Economic Analysis.

9.   The projected number of full-time equivalent students (FTES) at each public four-year institution was calculated from the headcount enrollments. This conversion was made by: 1) computing headcount-driven FTES figures for each campus for each year (the total number of full-time students plus one-third of the part-time), and 2) multiplying these figures by the average ratio of headcount- to credit hour-driven FTES over the past three years. A separate ratio was obtained for each college, and these ratios were applied to each year through 2027 (FY 2028).

10.   The projected number of full-time day equivalent students (FTDES) at each public four-year institution was calculated by multiplying the FTES enrollment for each campus by the average ratio of credit hour-driven FTES to FTDES over the past three years. A separate ratio was obtained for each campus, and these ratios were applied to each year through 2027. A figure equaling the most recent first- and second-year headcount enrollment at the University of Maryland School of Medicine was added to the FTDES of University of Maryland, Baltimore (UMB) in each year. The standard formula understates the FTDES at UMB since the School of Medicine does not operate on a credit hour basis.

Projections of Headcount Enrollment at Maryland Community Colleges

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

Projections of Headcount Enrollment at Maryland Community Colleges

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

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

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

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

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

These are the assumptions and steps used in projecting the headcount enrollments at Maryland's public community colleges.

ASSUMPTIONS

1. Enrollments of Maryland residents can be forecast by matching the historical relationship between the state's population and past in-state enrollments, then incorporating population projections for the state.

2. The ratio of in-state to out-of-state students in Maryland will remain relatively constant.

3. Tuition increases will have an impact on full- and part-time community college enrollments.

4. The number of full-time students will be affected by trends in high school graduates.

5. The number of part-time students will be impacted by changes in the per capita disposable income, calculated in constant dollars, of Maryland residents.

STEPS

1. Total enrollment at Maryland's community colleges during the past ten years were categorized by gender, age (11 groupings), and enrollment status (full- and part-time). Students whose age was unknown were distributed in the other age categories on a proportional basis.

2. The percentage of students who were Maryland residents was determined for each gender and enrollment group.

3. The state's population during the ten-year period was categorized by gender and the same age groupings. The actual and projected population figures were obtained from the Maryland Office of Planning.

4.   A least-squares fit regression analysis was used to examine the relationship between the in-state enrollment (dependent variable) and the state's population (independent variable). This relationship was then applied to the population projections through the year 2027 to determine the projected enrollments of Maryland residents.

5.   Out-of-state enrollments were projected to be consistent with the ratio of in-state to out-of-state students in the last year in which actual enrollment figures were available. Separate ratios were used for each of the gender and enrollment categories.

6.   The annual percentage change over ten years in the resident tuition and fees at Maryland community colleges, with a two-year lag time, was integrated inversely into the regression model as an independent variable for predicting the number of full-time students.

7.   The annual percentage change over ten years in the credit hour tuition and fees of residents in community college service areas, with a two-year lag time, was integrated inversely into the regression model as an independent variable for predicting the number of part-time students.

8.   The annual projected change in the number of Maryland high school graduates through spring 2027 was integrated into the regression model as an independent variable for predicting the number of full-time students. Projections for Maryland high school graduates were obtained from the Western Interstate Commission for Higher Education.

9.   The annual percentage change in the per capita disposable income, in constant dollars, of Maryland residents over five years, with a two-year time lag, was integrated into the regression model as an independent variable for predicting the number of part-time students. The income information was obtained from the Bureau of Economic Analysis.

10.   The projected number of full-time equivalent students (FTES) at each community college was calculated from the headcount enrollments. This conversion was made by: 1) computing headcount-driven FTES figures for each college for each year (the total number of full-time students plus one-third of the part-time), and 2) multiplying these figures by the average ratio of headcount- to credit hour-driven FTES over the past three years. A separate ratio was obtained for each college, and these ratios were applied to each year through 2027 (FY 2028).

11.   The projected number of full-time day equivalent students (FTDES) at each community college was calculated by multiplying the FTES enrollments for each campus by the average ratio of credit hour-driven FTES to FTDES over the past three years. A separate ratio was obtained for each campus, and these ratios were applied to each year through 2027.

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

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

MARYLAND HIGHER EDUCATION COMMISSION
Noncredit Continuing Education Enrollment Projection Model – Community Colleges

These are the assumptions and steps used in projecting the state-eligible full-time equivalent (FTE) noncredit continuing education enrollments at Maryland community colleges.

ASSUMPTIONS

1. The adult population 20 years of age or older in a community college's county or service area is a key predictor of noncredit continuing education enrollments.

2. Continuing education enrollments can be forecast by matching the historical relationship between state-funded FTE enrollments at each college and the adult population in the above age group in each college's respective county or service area to the population projections in each location.

STEPS

1. Total FTE noncredit continuing education enrollments at Maryland community colleges that are eligible for state funding were assembled for the past three years categorized by gender and age (11 groupings).

2. The number of residents in each Maryland county for the past three years was categorized by gender and the same age groupings. The actual population figures were obtained from the Maryland Office of Planning.

3. A least-squares fit regression analysis was used to examine the relationship between the noncredit enrollment (dependent variable) and the population (independent variable). A separate regression analysis was performed for each college, using its own enrollment figures and the population in its county or service area.

4. Each of the 16 statistical relationships was then applied to the population projections for the appropriate county or service area through FY 2028 to determine the projected noncredit FTE continuing education enrollments for the individual community colleges. The projected population figures were obtained from the Maryland Office of Planning.

5. Projected noncredit full-time day equivalent (FTDE) continuing education enrollments were calculated by taking a ratio of the total FTE noncredit enrollments and total FTDE noncredit enrollments for the past three years and multiplying the projected FTE noncredit enrollments by the average three-year ratio.