



Pathways in Technology Early College High School Annual Report

Division of Career and College Readiness

December 2022 Legislative Report





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State Superintendent of Schools

MARYLAND STATE DEPARTMENT OF EDUCATION

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Background

Pathways in Technology Early College High (P-TECH) schools are innovative programs that create clear pathways from high school to college and careers for students from all academic backgrounds. IBM created the P-TECH program to link education to economic development and illuminate a pathway from high school to college and career. In six years or less, students graduate with a high school diploma and a no-cost, two-year Associate of Applied Science (AAS) Degree. Each P-TECH program requires a partnership among a local school system, institution of higher education, and employer. P-TECH schools work with industry partners and community colleges to implement a curriculum that is academically rigorous, economically relevant, and aligned to workforce needs. The program includes one-on-one mentoring, workplace visits, skills instruction, paid summer internships, and first-in-line consideration for job openings with partnering companies.

Each P-TECH program incorporates a career and technical education (CTE) pathway. CTE in Maryland provides the opportunity for students to engage in career programs of study that align to high-skill, high-wage, and/or in-demand careers; lead to earning industry-recognized and/or postsecondary credentials that will allow entrance and/or advancement in a specific career cluster; and provide work-based learning experiences that require the application of academic and technical knowledge and skills in a work setting. [Table 1](#) provides an overview of CTE programs implemented at each P-TECH school along with a list of industry partners.

The Maryland State Department of Education (MSDE) is required to report annually to the Governor and General Assembly on P-TECH implementation as defined in the P-TECH Act of 2017. This report contains required data on the progress and outcomes of P-TECH programs in Maryland.

TABLE 1: OVERVIEW OF INDUSTRY PARTNERS AND CTE PROGRAMS AT EACH P-TECH SCHOOL

School Systems / Community Colleges	Schools	Industry Partners	CTE Programs
Allegany County Public Schools / Allegany College of Maryland	Allegany High School, Fort Hill High School, Mountain Home School, and Center for Career and Technical Education	<ul style="list-style-type: none"> UPMC Western Maryland Exclamation Labs Willets Systems, Inc. First United Bank and Trust IBM Northrop Grumman 	<ul style="list-style-type: none"> Information Technology Cybersecurity
Baltimore City Public Schools / Baltimore City Community College	Paul Laurence Dunbar High School	<ul style="list-style-type: none"> Johns Hopkins Hospital Kaiser Permanente University of Maryland Baltimore 	<ul style="list-style-type: none"> Nursing Respiratory Care Physical Therapy Assistant Health Information Technology Surgical Technology General Science
	Carver Vocational Technical High School	<ul style="list-style-type: none"> IBM 	<ul style="list-style-type: none"> Cybersecurity Assurance and Computer Information Systems
	New Era Academy	<ul style="list-style-type: none"> Baltimore Port Alliance 	<ul style="list-style-type: none"> Supply Chain Management
Baltimore County Public Schools / Community College of Baltimore County	Dundalk High School	<ul style="list-style-type: none"> Whiting-Turner Contracting KCI Technologies Stanley Black and Decker Johnson Controls 	<ul style="list-style-type: none"> Engineering Technology
	Owings Mills High School	<ul style="list-style-type: none"> Becton Dickinson Direct Dimensions McCormick & Company North American Millwright Northrop Grumman Potomac Photonics Strategic Factory 	<ul style="list-style-type: none"> Design, Fabrication and Manufacturing



School Systems / Community Colleges	Schools	Industry Partners	CTE Programs
Harford County Public Schools / Harford Community College	Joppatowne High School	<ul style="list-style-type: none"> U.S. Army Communications-Electronics Command (CECOM) at Aberdeen Proving Ground 	<ul style="list-style-type: none"> Computer Information Systems Information Assurance and Cybersecurity
Montgomery County Public Schools / Montgomery College	Clarksburg High School	<ul style="list-style-type: none"> Daly Computers, Inc. Information Technology Foundation 	<ul style="list-style-type: none"> Network and Information Technology
Prince George's County Public Schools / Prince George's Community College	Frederick Douglass High School	<ul style="list-style-type: none"> Continental Societies Incorporated Employ Prince George's Luminis Marriott MedStar MGM National Harbor Prince George's County Youth/Summer Youth Employment Program Six Flags Smart1 Management Solutions 	<ul style="list-style-type: none"> Health Information Management Hospitality Services Management



Accomplishments

In the 2021-2022 school year, six school systems offered P-TECH programs. Each school system implementing a P-TECH program is required to submit accomplishments from their program to MSDE. Tables 2 through 7 outline accomplishments of Maryland P-TECH schools reported by school systems for the 2021-2022 school year.

TABLE 2: ALLEGANY COUNTY PUBLIC SCHOOLS / ALLEGANY COLLEGE OF MARYLAND P-TECH PROGRAM ACCOMPLISHMENTS

School Sites	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
<ul style="list-style-type: none"> Allegany High School Fort Hill High School Mountain Home High School Center for Career and Technical Education 	<ul style="list-style-type: none"> Information Technology Cybersecurity 	Freshmen, Sophomores, Juniors, and Seniors	<ul style="list-style-type: none"> 100% of the senior P-TECH students graduated high school. Two of the seniors also earned their Applied Associate of Science (AAS) degree in Computer Technology Cybersecurity. All of the remaining seniors continued to work on their degree at Allegany College of Maryland with the exception of one student who moved out of state to take a job with the Department of Defense. Of the two seniors who earned their AAS degree, one student transferred to a 4-year college with a full scholarship and the other student has received several job offers from business partners. All of the seniors and two 11th graders in the 4-year pathway participated in virtual internships with IBM. The internship paid just over \$20 an hour for 32 hours a week for 6 weeks. 11th and 12th grade students were able to virtually participate in regional Future Business Leaders of America (FBLA) competitions. One female student won at the state level and participated at the national level. Students earned 1st, 2nd, 3rd, or 4th place in various areas related to computer problem solving, networking concepts, cyber security and network design. The seniors participated in a virtual field trip with the IBM cybersecurity team. They also participated in the IBM training modules virtual field trip where they learned how to use software and equipment. Students in 9th and 10th grade participated in virtual



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School Sites	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
			<p>seminars with guest speakers from IBM, Frostburg State University, Allegany College of Maryland, UPMC Western Maryland, First United Bank, and Exclamation Labs.</p> <ul style="list-style-type: none"> All students created accounts in IBM's Open P-TECH to start earning industry standard badges in cybersecurity and complete the training required for their internships. Over the last 3 years, Allegany County Public Schools (ACPS) has offered the Girls Who Code (GWC) summer camp to encourage more girls to enter the IT field. This year most of the girls who applied for P-TECH in 8th grade were girls from the GWC summer camps or middle school clubs. The highest number of females applied this year.

TABLE 3: BALTIMORE CITY PUBLIC SCHOOLS / BALTIMORE CITY COMMUNITY COLLEGE P-TECH PROGRAM ACCOMPLISHMENTS

School Sites	CTE Pathways	2021-202 Cohorts	2020-2021 P-TECH Accomplishments
Carver Vocational-Technical High School	<ul style="list-style-type: none"> Cybersecurity Assurance Computer Information Systems 	Freshmen, Sophomores, Juniors, Seniors, and Year 5 & 6 Students	<ul style="list-style-type: none"> One (1) sixth year student and two (2) fifth year students completed their Associates degree. 63% of 2022 graduates are continuing in P-TECH to earn their Associates degree. 13 students interned with IBM in the summer of 2022.



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School Sites	CTE Pathways	2021-202 Cohorts	2020-2021 P-TECH Accomplishments
Paul Laurence Dunbar High School	<ul style="list-style-type: none"> • Nursing • Respiratory Care • Physical Therapy Assistant • Health Information Technology • Surgical Technology • General Science 	Freshmen, Sophomores, Juniors, Seniors, and Year 5&6 Students	<ul style="list-style-type: none"> • 40% of P-TECH students who earned their high school diploma in 2022 are continuing in Baltimore City Community College (BCCC) courses to complete the associate degree. • Two year 6 students graduated with General Science Degrees • 44% percent of the P-TECH class of 2022 are continuing to 4-year colleges. • Workplace learning trainings and introductions to healthcare careers through P-TECH pathways were offered virtually through the University of Maryland School of Nursing, Johns Hopkins Sports Medicine, and Kaiser Permanente. • Internship-ready students participated in exclusive virtual internships hosted by the Johns Hopkins Department of Workforce Development. • 89% of students that were enrolled in Biology 202 after being enrolled in Project Lead the Way Biomedical Sciences in high schools successfully passed the course.
New Era Academy	<ul style="list-style-type: none"> • Transportation and Supply Chain Management 	Freshmen, Sophomores, and Juniors	<ul style="list-style-type: none"> • 100% of students from the first cohort have satisfied all the MSDE high school graduation requirements. Also 3 of the members accumulated enough credits to earn their Associates Degree in Transportation and Supply Chain Management by the end of summer 2022. • Students from each cohort registered for college course with BCCC to earn credits during the summer session.



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TABLE 4: BALTIMORE COUNTY PUBLIC SCHOOLS / COMMUNITY COLLEGE OF BALTIMORE COUNTY P-TECH PROGRAM ACCOMPLISHMENTS

School Sites	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
Dundalk High School	<ul style="list-style-type: none"> Engineering Technology 	Freshmen, Sophomores, Juniors, and Seniors	<ul style="list-style-type: none"> The first Dundalk High School P-TECH cohort completed high school and participated in graduation. Nine (9) students completed internships with industry partners. Sixteen (16) students will continue into Year 5 of the P-TECH program. Sixty (60) additional students joined Cohort 5 of the P-TECH program and participated in a week-long Summer Institute. A Resource Teacher was hired to support the implementation of the P-TECH program at Dundalk High School. Cohort 4 students participated in a “field day” at the end of the school year with the Community College of Baltimore County (CCBC) and industry partners.
Owings Mills High School	<ul style="list-style-type: none"> Design, Fabrication and Manufacturing 	Freshmen, Sophomores and Juniors	<ul style="list-style-type: none"> Eighteen (18) students in cohort 1 are currently on track to graduate in 4 years. Cohort 1 students participated in two field trips to industry partner worksites. Twenty-two (22) students in cohort 2 began the application process to begin CCBC coursework in the fall of 2022. Thirty (30) students joined cohort 3 of the P-Tech program and participated in a week-long Summer Institute. Twenty-five (25) students participated in an end of year celebration of their success in 9th grade held by CCBC in collaboration with Owings Mills High School and industry partners.

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TABLE 5: HARFORD COUNTY PUBLIC SCHOOLS / HARFORD COMMUNITY COLLEGE P-TECH PROGRAM ACCOMPLISHMENTS

School Site	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
Joppatowne High School	<ul style="list-style-type: none"> ● Computer Information Systems ● Cybersecurity 	Freshmen and Sophomores	<ul style="list-style-type: none"> ● The P-TECH program at Joppatowne High School welcomed another 30 students into the program. ● The program now consists of 60 students from around the Harford County area. About 15 students from the first cohort called the Allstars embarked upon their journey and took between 2 to 4 college classes. They also participated in Mock interviews with their mentors to prepare for a career in Cyber Security or Computer Information Systems (CIS). ● 5 students from the Allstar Cohort built their own computer from scratch in order to run labs and games related to Cyber Security and CIS. ● The second cohort made of freshmen (Better Allstars) took the P-TECH seminar class to prepare them for high school and college coursework. Within that class, students conducted research to determine their chosen pathway, created their own app using coding concepts, built, and presented coded Robots to Army leadership at the Annual P-TECH Field Day. ● Better Allstars attended the P-TECH Summer Institute, and many female students attended the Cyber Camp at Harford Community College where they learned technical skills related to Cyber Security. ● Both cohorts benefited from field trips (Spy Museum, Aberdeen Proving Ground, Harford County Escape Room), speakers (National Cryptologic Museum, Aberdeen Federal Credit Union), and hands on experiences (building and coding of robots, PC build, and coding exercises). Both cohorts also met with their mentors (virtually) bi-weekly to discuss careers, goals, and technical skills.

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TABLE 6: MONTGOMERY COUNTY PUBLIC SCHOOLS / MONTGOMERY COLLEGE P-TECH PROGRAM ACCOMPLISHMENTS

School Site	CTE Pathway	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
Clarksburg High School	<ul style="list-style-type: none"> Network and Information Technology 	Freshmen, Sophomores, Juniors, and Seniors	<ul style="list-style-type: none"> Montgomery College returned to in-person classes in the spring of 2022 thus providing the seniors with their first on-campus experience. These students also completed exciting internships: 33 students interned with IBM and 8 students interned with DALY Computers. A group of highly motivated P-TECH juniors and seniors formed a P-TECH Ambassadors Club which resulted in a student-led P-TECH Showcase, a Networking Event at DALY computers, and a mentoring program for P-TECH underclassmen. Five P-TECH Seniors were recognized among the Top 25 Seniors at Clarksburg High School. Furthermore, the accomplishments of the Cohort 1 class were featured in the Spring 2022 Montgomery College Prep Talk publication and again later in the Fall 2022 for the Montgomery County Public School/Montgomery College Dual Enrollment Ceremony. Clarksburg High School celebrated the graduation of its Cohort 1 seniors in June of 2022. In grades 9 and 10, P-TECH students participated in a Summer Bridge Program where they visited Montgomery College and participated in robotics, cabling, and programming activities. They visited DALY Computers for a tour, met with their industry mentors, and took a field trip to the Smith Center for joint team building activities.



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TABLE 7: PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS / PRINCE GEORGE’S COMMUNITY COLLEGE P-TECH PROGRAM ACCOMPLISHMENTS

School Site	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
Frederick Douglass High School	<ul style="list-style-type: none"> Health Information Management 	Freshmen, Sophomores, Juniors, and Seniors	<ul style="list-style-type: none"> In May 2022, Prince George’s County Public Schools (PGCPS) graduated 40 P-TECH scholars. Of the 40 students, 37 students earned an Associate of Applied Science degree from Prince George’s Community College by August 2022. Class of 2022 Achievements: <ul style="list-style-type: none"> P-TECH students earned over \$3.01 million in scholarships to enroll in college (student-reported). 100% of seniors completed all high school graduation requirements. The second annual P-TECH en Blanc ceremony was held on May 19, 2022, to commemorate the accomplishments of the class of 2022. The august ceremony was another rite of passage in the P-TECH journey. The event included parents, distinguished guests from the community, supporters of P-TECH, Prince George’s Community College (PGCC), PGCPS Career and Technical Education (CTE), and Frederick Douglass High School staff members. Frederick Douglass High School P-TECH students in the Health Information Management and the Hospitality Services Management pathways completed the 2021-2022 school year with a 90% pass rate, earning a C or higher, in their college courses, and 60% of P-TECH students earned Honor Roll or Principal’s Honor Roll status. The retention rate also increased by five (5) percent, improving from 89% to 94%.
			<ul style="list-style-type: none"> To assist with the retention rate, PGCPS P-TECH team members at Frederick Douglass High School instituted Persevering towards Graduation through Cohort Camaraderie (P.G.C.C.) Day. The implementation of P.G.C.C. Day fosters student-to-student and staff-to-student relationships and connections with the ultimate goal of graduating students with a high school diploma and associate degree. With Year 4 students immersed on the college campus, the P-TECH team members also adopted P.G.C.C. Day to ensure that students did not feel isolated and detached

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School Site	CTE Pathways	2021-2022 Cohorts	2021-2022 P-TECH Accomplishments
			<p>and continued to build cohort camaraderie in a virtual realm. The monthly P.G.C.C. Day is now a P-TECH staple that allows Year 4 students to come to Frederick Douglass High School to engage in team-building activities, be a part of the Frederick Douglass High School community, and embrace the P-TECH journey.</p> <ul style="list-style-type: none"> • The P-TECH program hosted College Advisement and College Essay Writing Sessions for Year 3 & Year 4 students in preparation for their senior year and the college application process. Scholarship search workshops were also offered. • The P-TECH program continues to have an active mentoring program. Mentors who began with the first Frederick High School P-TECH cohort in 2018 are continuing to be a strong, consistent, and impactful force on P-TECH scholars. • P-TECH held a 2-week in-person summer bridge experience for all four cohorts. Highlights from the P-TECH Summer Bridge 2022 program include academic skill building, character education, a field trip to the Maryland-National Capital Park and Planning Commission Underground Railroad Experience Trail, and team-building activities. P-TECH upperclassmen also served as student leaders and mentors to the incoming scholars.



P-TECH Data Collection and Performance Outcomes

P-TECH data is submitted by school systems to the Division of Career and College Readiness and Division of Assessment, Accountability, and Performance Reporting at MSDE. The P-TECH data must be reported by each P-TECH school. Table 8 provides the data for each required reporting element by school.

TABLE 8: P-TECH REPORTING REQUIREMENTS BY SCHOOL

Based on Student Enrollment for School Year 2021-2022

Note: Student outcome data is based on data from June 30, 2022.

Data for how P-TECH students performed on federal and state assessments (Pass Rate) for English language arts and Mathematics were not available at the time of this report.

*The Baltimore City Board of School Commissioners voted on January 25, 2022 to close New Era Academy at the end of the 2022-23 school year. This may account for the high grade 9 and 10 attrition rates.

** The program does not yet have any P-TECH graduates.

*** No grade 12 students enrolled during the 2021-22 school year.

	Baltimore City			Allegany County	Prince George's County	Baltimore County		Harford County	Montgomery County
P-TECH Reporting Requirement	Carver	Dunbar	New Era Academy	Allegany, Fort Hill, Mountain Home, and Career Center	Frederick Douglass	Owings Mills	Dundalk	Joppatowne	Clarksburg
Number of students enrolled in each P-TECH school	158	225	60	89	197	56	170	70	197



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P-TECH Reporting Requirement	Baltimore City			Allegany County	Prince George's County	Baltimore County		Harford County	Montgomery County
	Carver	Dunbar	New Era Academy	Allegany, Fort Hill, Mountain Home, and Career Center	Frederick Douglass	Owings Mills	Dundalk	Joppatowne	Clarksburg
Grade 9 attrition rate	54%	36%	36%*	0%	5%	7%	18%	0%	18%
Grade 10 attrition rate	43%	50%	56%*	36%	14%	7%	21%	0%	15%
Grade 11 attrition	21%	9%	43%*	11%	7%	Not Applicable	52%	Not Applicable	49%
Number of P-TECH students who have an Individualized Education Program (IEP)	27	13	13	5	3	6	14	4	7
Number of P-TECH students who have a 504 plan	5	13	4	2	4	2	10	2	12



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P-TECH Reporting Requirement	Baltimore City			Allegany County	Prince George's County	Baltimore County		Harford County	Montgomery County
	Carver	Dunbar	New Era Academy	Allegany, Fort Hill, Mountain Home, and Career Center	Frederick Douglass	Owings Mills	Dundalk	Joppatowne	Clarksburg
Number of P-TECH students who are English Language Learners	3	1	3	0	0	4	14	0	5
Percentage of P-TECH students who meet the free and reduced meal plan income criteria at each P-TECH school	66%	65%	62%	36%	32%	34%	38%	54%	29%
Number of P-TECH students on track for high school graduation in 4 years	82	0	14	80	184	56	167	68	197
Number of P-TECH students on track for P-TECH completion (associates degree and high school diploma) in 4 years	15	0	4	11	177	17	0	26	178
Number of P-TECH students on track for a P-TECH completion in 5 years	25	0	11	68	0	8	26	18	9



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P-TECH Reporting Requirement	Baltimore City			Allegany County	Prince George's County	Baltimore County		Harford County	Montgomery County
	Carver	Dunbar	New Era Academy	Allegany, Fort Hill, Mountain Home, and Career Center	Frederick Douglass	Owings Mills	Dundalk	Joppatowne	Clarksburg
Number of P-TECH students on track for P-TECH completion in 6 years	30	0	4	11	0	6	144	27	10
Number of P-TECH student internship placements	10	0	0	16	27	0	0	0	37
Number of P-TECH student paid internship placements with an industry partner	10	0	0	16	0	0	0	0	8
High school 4-year graduation rate (diploma only)	100%	100%	Not Applicable	33%	14%	Not Applicable***	100%	Not Applicable***	Not Applicable***
P-TECH 4-year graduation rate (diploma and associate degree)	0%	0%	Not applicable	67%	86%	Not Applicable***	0%	Not Applicable***	Not Applicable***



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	Baltimore City			Allegany County	Prince George's County	Baltimore County		Harford County	Montgomery County
P-TECH Reporting Requirement	Carver	Dunbar	New Era Academy	Allegany, Fort Hill, Mountain Home, and Career Center	Frederick Douglass	Owings Mills	Dundalk	Joppatowne	Clarksburg
Number of Post-graduates Employed	0	0	Not Applicable**	2	5	Not Applicable**	Not Applicable**	Not Applicable**	Not Applicable**
Number of Post-graduates Employed by Industry Partner	0	0	Not Applicable**	1	0	Not Applicable*	Not Applicable**	Not Applicable**	Not Applicable**
Number of Post-graduates enrolled in 4-year institution of higher education	4	0	Not Applicable**	1	39	Not Applicable*	Not Applicable**	Not Applicable**	Not Applicable**



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TABLE 9: P-TECH ENROLLMENT FOR THE 2022-2023 SCHOOL YEAR

Based on Student Enrollment for School Year 2022-2023

There are **1,219** students enrolled in P-TECH in the 2022-2023 school year. Enrollment is based on data reported by local education agencies on October 30, 2022.

School System / Community College	School Site	2022-2023 Student Enrollment
Allegany County Public Schools/ Allegany College of Maryland	Allegany, Fort Hill, Mountain Home, and Center for Career and Technical Education	<ul style="list-style-type: none"> • 11 Freshmen • 24 Sophomores • 14 Juniors • 17 Seniors • 10, Year 5 Students • 4, Year 6 Students Total Enrollment: 80 Students
	New Era Academy	<ul style="list-style-type: none"> • 6 Freshmen • 14 Sophomores • 8 Juniors • 4 Seniors • 9, Year 5 Students Total Enrollment: 41 Students
Baltimore City Public Schools / Baltimore City Community College	Carver Vocational-Technical High School	<ul style="list-style-type: none"> • 54 Freshmen • 33 Sophomores • 16 Juniors • 27 Seniors • 16, Year 5 Students • 5, Year 6 Students Total Enrollment: 151 Students
	Paul Laurence Dunbar High School	<ul style="list-style-type: none"> • 71 Freshmen

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School System / Community College	School Site	2022-2023 Student Enrollment
		<ul style="list-style-type: none"> • 41 Sophomores • 27 Juniors • 41 Seniors • 14, Year 5 Students • 15, Year 6 Students Total Enrollment: 209
Baltimore County Public Schools / Community College of Baltimore County	Dundalk High School	<ul style="list-style-type: none"> • 52 Freshmen • 42 Sophomores • 37 Juniors • 21 Seniors • 15, Year 5 Students Total Enrollment: 167 Students
	Owings Mills High School	<ul style="list-style-type: none"> • 32 Freshman • 28 Sophomores • 27 Juniors Total Enrollment: 87 Students
Harford County Public Schools / Harford Community College	Joppatowne High School	<ul style="list-style-type: none"> • 32 Freshman • 33 Sophomores • 30 Juniors Total Enrollment: 95 Students
Montgomery County Public Schools / Montgomery College	Clarksburg High School	<ul style="list-style-type: none"> • 66 Freshmen • 49 Sophomores • 47 Juniors • 25 Seniors Total Enrollment: 187 Students
Prince George’s County Public Schools /	Frederick Douglass High School	<ul style="list-style-type: none"> • 58 Freshmen

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School System / Community College	School Site	2022-2023 Student Enrollment
Prince George's Community College		<ul style="list-style-type: none">• 63 Sophomores• 42 Juniors• 39 Seniors Total Enrollment: 202 Students

P-TECH Funding

P-TECH students earn a high school diploma and associate degree in six years or less at no cost to students. MSDE provides grants to local education agencies (LEAs) and community colleges to support the cost of P-TECH programs.

Each year, LEAs receive a P-TECH supplemental school grant. The amount of the grant is based on student enrollment. By October 30th of each year, LEAs submit a P-TECH Program Fall Enrollment Validation File to MSDE identifying the number of students enrolled in P-TECH. LEAs are granted \$750 per P-TECH student enrolled. LEAs must match 100% of the supplemental school grant funds awarded. [Table 10](#) identifies the grant award to each LEA, total expenditures, and the total percentage of funds spent for fiscal year 2022.

TABLE 10: FISCAL YEAR 2022 P-TECH SUPPLEMENTAL SCHOOL GRANTS

Grant Recipient	School	Grant Award Amount	Expenditures	Total Percentage of Funds Spent
Allegany County Public Schools	Allegany, Fort Hill, Mountain Home, and Center for Career and Technical Education	\$64,500	\$60,699.42	94%
Baltimore City Public Schools	Carver Vocational-Technical High School	\$125,250	\$72,689.18	58%
	New Era Academy	\$44,250	\$32,646.63	74%
	Paul Laurence Dunbar High School	\$164,250	\$101,163.59	62%
Baltimore County Public Schools	Dundalk High School	\$133,500	\$96,856.61	72%
	Owings Mills High School	\$45,000	\$36,455.26	81%
Harford County Public Schools	Joppatowne High School	\$45,000	\$44,527.91	99%
Montgomery County Public Schools	Clarksburg High School	\$154,500	\$154,390.45	100%
Prince George's County Public Schools	Frederick Douglass High School	\$147,750	\$109,686.68	74%
Total Amount		\$924,000	\$599,538.74	79%



Local funds are also used to support P-TECH programs. Local funds are defined as local money from the LEA spent in support of the P-TECH program outside of grant and matching funds. Funds must be solely dedicated to P-TECH. [Table 11](#) identifies the amount of local funds used to support P-TECH for each school system.

TABLE 11: FISCAL YEAR 2022 LOCAL FUNDS USED TO SUPPORT P-TECH

School System	School	Amount of Local Funds
Allegany County Public Schools	Allegany, Fort Hill, Mountain Home, and Center for Career and Technical Education	\$0
Baltimore City Public Schools	Carver Vocational-Technical High School	No data provided by the LEA
	New Era Academy	No data provided by the LEA
	Paul Laurence Dunbar High School	No data provided by the LEA
Baltimore County Public Schools	Dundalk High School	\$16,244
	Owings Mills High School	\$0
Harford County Public Schools	Joppatowne High School	\$149,622
Montgomery County Public Schools	Clarksburg High School	\$110,970
Prince George's County Public Schools	Frederick Douglass High School	\$480,611



MSDE provides a P-TECH Supplemental College Grant to community college P-TECH partners to support the cost of tuition and mandatory fees that would normally be charged for classes in which P-TECH students enroll. The state’s share of the P-TECH Supplemental College Grant equals 50% for counties that received a Disparity Grant in the prior fiscal year or 25% for counties that did not receive a Disparity Grant in the prior fiscal year. If funds distributed to the college from the state are not enough to cover the cost of tuition and fees, then the local share of a P-TECH Supplemental College Grant shall be calculated and distributed by a county board to college partners and equal the amount not paid by the state.

TABLE 12: FISCAL YEAR 2022 P-TECH SUPPLEMENTAL COLLEGE GRANTS

Grant Recipient	Grant Award Amount	Total Percentage of Funds Spent	Disparity Grant Recipient
Allegany College of Maryland	\$30,316	100%	Yes
Baltimore City Community College	\$164,545	100%	Yes
Community College of Baltimore County	\$52,176.25	97%	No
Harford Community College	\$13,008	100%	No
Montgomery College	\$107,071.70	100%	No
Prince George’s County Community College	\$215,971.50	78%	Yes
Total Amount Awarded	\$583,088.45	96%	

Summary

MSDE is committed to continuing to support P-TECH programs statewide. MSDE annually convenes P-TECH representatives from school systems, community colleges, and industry to share effective practices aimed at supporting students to successfully complete the program and transition into 4-year institutions of higher education and/or careers. MSDE provides additional grants to school systems and community colleges to support the cost of equipment and supplies to implement career programs and train educators to facilitate instruction in career programs associated with the implementation of P-TECH. With continued support from the Governor and the General Assembly, Maryland is building a strong statewide network of P-TECH stakeholders working together to prepare Maryland students for high-wage, high-skill, and in-demand career opportunities.