We examined the similarities and differences of existing P-TECH programs in the following locations:

- NEW YORK
- ILLINOIS
- CONNECTICUT
- RHODE ISLAND
- COLORADO

P-TECH programs exist and are being considered in the following states and countries: CA, NY, LA, CO, RI, MD, IL, CT, TX, as well as Australia, Taiwan, Morocco, Singapore, and Korea.

PILOT PROGRAM: NEW YORK

P-TECH started in New York as a partnership with IBM and a school in Brooklyn. It has since expanded into over 400 large and small companies affiliated with P-TECH schools serving thousands of children statewide.

NUMBER OF SCHOOLS: 60 statewide

FUNDING: The New York State Education Department seeks competitive grant proposals from partnerships with school districts, higher education institutions, and committed business/employer partners

STUDENTS INVOLVED: P-TECH enrolls students based on lottery, not an entrance exam

DIVERSITY: Diversity is a focus for New York’s program, of its 520 current students, 96 percent are black or Hispanic

PARTNERS: IBM was the founding partner for the program, since 2011, over 400 additional businesses have joined

“It made sense for business and education professionals to think about the problems together, not separately.”

GRACE SUH
Vice President of Education
Corporate Citizenship
IBM
P-TECH: state comparison

PILOT PROGRAM: NEW YORK

After completing the first full six-years of the grades 9-14 model in the spring of 2017, the inaugural cohort of students at the IBM-affiliated P-TECH in Brooklyn, N.Y., had an on-time graduation rate four times higher than the national community college graduation rate, and five times the rate for low-income students.

Nearly 20 of those P-TECH Brooklyn grads, all of ethnic minority, were working at IBM by August 2018 with jobs that pay more than $50k. Some of these hired students simultaneously are attending school for bachelor’s degrees funded by IBM.

From the original Brooklyn P-TECH class,

99% graduated high school within six years 55% had earned an associate college degree in applied science during that time

20 Brooklyn P-TECH graduates were working at IBM by August 2018 with jobs that pay more than $50K

584 is the total projected enrollment of P-TECH students for the 2018/2019 school year
P-TECH: state comparison

Chicago's graduating 2018 class exceeded a 90% college-course pass rate (with GPAs of at least 3.14)

CONNECTICUT

Connecticut based their model off of the success of the IBM P-TECH model. They launched their first program, titled CT-ECO, in 2014. They saw both the need for more than 16 million middle-skill jobs by 2024, and a skill-gap of only 43 percent of the nation’s workers trained to the middle-skill level.

NUMBER OF SCHOOLS: Targets Connecticut’s 30 lowest-performing districts, it is currently in 4 of the districts

FUNDING: Competitive grant proposals from partnerships with school districts, higher education institutions, and committed business/employer partners

STUDENTS INVOLVED: Open enrollment with focus on historically underserved students, 472 students currently, 63 percent low income, 57 percent Hispanic, 23 percent African American, 41 percent female, 6 percent English second-language

WORKPLACE LEARNING: Includes mentoring, worksite visits, speakers, project days, skills based and paid internships, as well as cost-free postsecondary degree

PARTNERS: Partnership between school district, higher education partner and industry partners

RHODE ISLAND

P-TECH started in Rhode Island in 2016 based on a study that showed by the year 2020, 70 percent of Rhode Island’s jobs will require education beyond high school. As of now, only 43 percent of Rhode Island adults have an associate’s degree or higher.

NUMBER OF SCHOOLS: 5 statewide

FUNDING: Governor Raimondo spearheaded the first public-private partnership to receive funding for the P-TECH initiative

STUDENTS INVOLVED: Includes low-income families, first-generation college students, English language learners, and students with disabilities

PROGRAM FOCUS: Different areas of the state have a different focus based on the needs for those areas: Providence—computer science, Newport—cybersecurity, north Providence—health science and administration, Westerly—advanced manufacturing, Woonsocket—computer science

PARTNERS: Statewide partnership between the Rhode Island Commerce Corporation, the Rhode Island Department of Education, Community College of Rhode Island, and supporting industry partners

ILLINOIS

P-TECH started in Chicago in 2012 through a partnership with IBM, Cisco, Microsoft, Motorola, and Verizon, modeled after the pilot program in New York.

NUMBER OF SCHOOLS: 5 statewide

FUNDING: Public-private partnerships with school districts, higher education institutions, and committed business/employer partners

PARTNERS: Chicago's founding partners include IBM, Cisco, Microsoft, Motorola, and Verizon
**P-TECH: state comparison**

**COLORADO**

Colorado signed P-TECH into law in 2015. The first program was through a partnership with IBM.

**NUMBER OF SCHOOLS:** 5 statewide (3 active, 2 approved in 2018)

**STUDENTS INVOLVED:** Students must apply for the P-TECH program and begin college coursework in the 9th grade

**FUNDING:** Public-private partnerships with school districts, higher education institutions, and committed business/employer partners

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"It is one of the most creative and innovative approaches I have ever seen."

LARRY HOGAN
Governor
State of Maryland

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The Maryland Chamber Foundation supports sustainable solutions that drive Maryland’s future economy including: talent, education, innovation, economic diversity, infrastructure, business climate, governance and quality of life.