



Information Technology

Paterson P-TECH empowers students to graduate not only with a high school diploma but also with an associate's degree in a STEM field, while gaining meaningful real-world experience. The school's mission is to create a direct pathway from high school to college to career, in partnership with Passaic County Community College and IBM.

Courses

Workplace Learning: Grades 9–11

- **9th Grade:** Students begin with foundational coursework and introductory learning experiences designed to build essential technical and academic skills.
 - **10th Grade:** Coursework becomes more specialized as students progress through technical CTE sequences, focused on areas like network administration, technical support, or web and mobile development.
 - **11th Grade:** Students engage in advanced workplace learning opportunities. This includes mentorship from industry professionals and preparation for internship placement.
 - **12th Grade:** Students can continue to engage in advanced workplace learning opportunities. While also completing AP and dual enrollment courses.
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IBM-Paid Internships (Junior Year)

In grade 11, students qualify to participate in **paid internships with IBM** or other industry partners, once they have completed at least one college-level course. The internships happens during the summer but may extend into fall or spring as a Co-op, offering hands-on experience, mentorship, and real-world skills development.

Dual Enrollment with Passaic County Community College

Students can earn college credits through dual enrollment with **Passaic County Community College (PCCC)** in one of three professional pathways:

- **Network Administration**
- **Technical Support**
- **Web & Mobile Development**

These college-level courses—such as Linux Fundamentals, Programming Fundamentals, Mobile Apps Development, and Website Design—count towards both high school graduation and the associate's degree.

Partnership

- IBM (<https://www.ibm.com/us-en>)

Careers

IT Support Specialist/Help Desk Technician, Systems Administrator, Network Administrator / Engineer, Database Administrator (DBA), Cloud Engineer, Cybersecurity Analyst, Penetration Tester / Ethical Hacker, Information Security Manager, Software Developer / Engineer, Web Developer, Mobile App Developer, DevOps Engineer, Data Analyst, Data Scientist, Artificial Intelligence / Machine Learning Engineer, Blockchain Developer, IT Project Manager, Chief Information Officer (CIO), IT Consultant