



AFT Educational Foundation

New York Advanced Manufacturing Career Pathways K-12 Pilot

The American Federation of Teachers, New York State United Teachers, United Federation of Teachers, Micron, and Governor Hochul have partnered to develop an [Advanced Technology Framework](#) based on foundational and technical skills found throughout the semiconductor industry; the framework was developed with teachers through their union and Micron.

- The framework integrates industry-based career exploration and engages students in deeper learning, such as analyzing information, thinking critically, and applying knowledge, while providing students with real-life, real-world skills.
- This career-connected learning and collaboration among schools, teachers, unions, workforce development and industry provide commonsense solutions for kids and communities.
- The framework is being piloted in 10 school districts and BOCES (Boards of Cooperative Educational Services) over three years beginning in fall 2024:
 - Baldwinsville
 - Chittenango
 - East Syracuse Minoa
 - Liverpool
 - New York City—Brooklyn STEAM Center and Thomas Edison High School
 - Niagara Falls
 - North Syracuse
 - Syracuse
 - OCM BOCES
 - Watertown
- During this pilot phase, the Advance Technology Framework will be refined based on teacher, student, and administrator input. Supplementary materials will also be developed and shared. The Framework is also being adapted in [Michigan and Minnesota](#).
- After the pilot phase, the Advanced Technology Framework will be available for wide use to increase the pipeline of students interested in the semiconductor industry and to expand workforce development.
- Coordinated, collaborative and sustainable education opportunities for students across New York in the semiconductor field will elevate the state as a national leader in student preparation for workforce development and industry awareness as well as enhance economic competitiveness, while addressing social and economic justice.
- Micron and the state of New York will split a \$4 million investment for this three-year pilot. This investment in schools strengthens opportunities for students and communities and helps students prepare for careers, college and life. Investment in schools and the communities they serve helps to improve public education, and public schools unite us.

The AFT is a union of professionals that champions fairness; democracy; economic opportunity; and high-quality public education, healthcare and public services for our students, their families and our communities. We are committed to advancing these principles through community engagement, organizing, collective bargaining and political activism, and especially through the work our members do.

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