The Global Race for Computer Chips

A Taiwan Semiconductor Manufacturing Company plant under construction in New York. The law included $39 billion to fund the construction of new factories in the United States.

**By Kirkpatrick for The New York Times**

**America's Semiconductor Boom Faces a Challenge: Not Enough Workers**

Students participated in an event hosted by Micron at Onondaga Community College in Syracuse, N.Y.

"We understand that it's a challenge, but we also look at it as an opportunity," said Shari Liss, the executive director of the National Association of Manufacturers, which represents the semiconductor industry. "We want to do everything we can to attract the best talent."...

In Maricopa County, Ariz., three community colleges have teamed up with Intel to offer a program last year, and Syracuse, which has worked with Micron, is planning to expand its program.

"We expect to have a significant number of students graduating from our programs in the next few years," said Randy Sorensen, the executive director of the Community College of Oneida.

"We're starting to see the pendulum swing a little bit as people realize that there are more opportunities in this industry," said Gabriela Cruz Thompson, the director of university research and innovation at the Rochester Institute of Technology. "We do not have enough students to fill the need," she said. "It's only going to get more challenging."...

"We're going to need a lot more people to do this," said Mr. Chatterji. He added that immigration remains a controversial topic in Washington, and there are concerns about how many visas will be available.

"We're all hoping for the best on immigration," he said. "We're trying to do everything we can to make it easier for people to come here and work in the United States."...

"While it hasn't been the sexiest job opportunity for folks compared to a lot of other sectors, there are a lot of opportunities out there," said Jim Wilson, the executive director of the Semiconductor Industry Association.

"I can see this being the next big thing," said Maxon Wille, an 18-year-old in Surprise, Ariz., who is participating in a program at the Arizona Advanced Manufacturing Institute at Mesa Community College. "I thought it was going to be boring, but it's really interesting. I'm excited to see what I can do."...