



Microelectronics and Nanomanufacturing Certificate Program

Get the training you need to join a growing workforce!

Designed specifically for veterans, the Microelectronics and Nanomanufacturing Certificate Program (MNCP) helps meet the needs of a growing microelectronics and semiconductor workforce. This free program combines live-streamed lectures with intensive, hands-on-site training in a cleanroom environment—as found in a semiconductor fabrication facility.

Course Information

January 21 - April 11, 2025

- Live-streamed lectures with Penn State Mon - Fri, 11:00 a.m. - 12:30 p.m.
- In-person cleanroom laboratory classes at OSU, Nanotech West Lab, ~ 2 hours up to twice a week
- Additional ~ 1 - 3 hours per day to complete all coursework required for program
- Additional ~ 1 - 3 hours per week for individual project work

Gain the Skills You Need to Succeed

Students enrolled in the program will learn the principles and practices they need to succeed when they enter the semiconductor industry:

- Safe equipment operation/maintenance
- Environmentally friendly materials handling
- Health and safety
- Various semiconductor processing methods

Earn Certificates

- Microelectronics and Nanomanufacturing Certificate of Completion from the Center for Nanotechnology Education and Utilization at Penn State
- ASTM International Health and Safety in Nanotechnology Certificate
- ASTM International Nanotechnology Workforce Characterization Certificate
- ASTM International Workforce Certificate for Nano Workforce Fabrication and Related Infrastructure



Industry Partners

The following companies have partnered with this project and may present information about their company and job opportunities available:

- Applied Image
- Global Foundries
- Intel
- KLA
- Menlo Microsystems
- Micron Technologies
- Nanoscience Instruments
- NXP
- Qorvo
- TEL
- Texas Instruments
- TSMC
- WGNSTAR
- Wolfspeed, Inc.
- ...and more!



Learn More

Scan the code to learn more about our course and industry partners, or visit

www.cneu.psu.edu/military-ed



Ready to Apply?

Application deadline is **January 13, 2025**
Scan the code or visit <https://bit.ly/MNCPApply> to apply today.

For more information, contact Nanotech West Labs nanotech@osu.edu

