

Microelectronics and Nanomanufacturing Certificate Program

Transform your career potential!

Exclusively designed for veterans and military personnel nearing separation, the Microelectronics and Nanomanufacturing Certificate Program (MNCP) is a comprehensive, SkillBridge-approved solution to meet the demands of the expanding microelectronics and semiconductor industry. This free-to-eligible-applicants, 12-week, extensive and intensive program offers a blend of live-streamed lectures, self-paced instruction, and rigorous hands-on training with nanofabrication and characterization equipment used in most semiconductor facilities. The MNCP is an exceptional opportunity to gain industry-specific skills in a relatively short amount of time and join a growing workforce.



Course Information

September 2 - November 21, 2025

- Live-streamed lectures with Penn State Mon - Fri, 11:00 - 1:00 pm EST
- 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



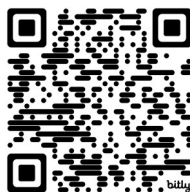
Industry Partners

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!

SkillBridge

For more information about SkillBridge, visit <https://skillbridge.osd.mil/locations.htm>. Use Keyword "CNEU" and location "16802".



To apply for SkillBridge, scan the code or visit <https://bit.ly/SkillBridgeApp>

Learn More

Scan the code to learn more about our course and industry partners, or visit www.cneu.psu.edu/military-ed



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Ready to Apply?

Application deadline is **August 25, 2025**. Scan the code or visit <https://bit.ly/MNCApply> to apply today.



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