

From Classroom to Cleanroom

As billions of dollars flow into new semiconductor Fabs across the United States, the industry's greatest challenge is ***building the talent pipeline to run them.***

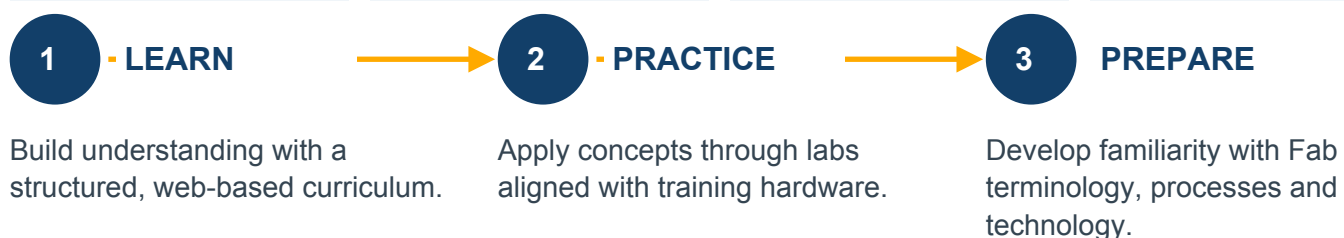


Full curriculum. Lab hardware. Designed to work together.

Intelitek pairs semiconductor-specific curriculum with aligned lab hardware, connecting structured instructions directly to hands-on technician training.

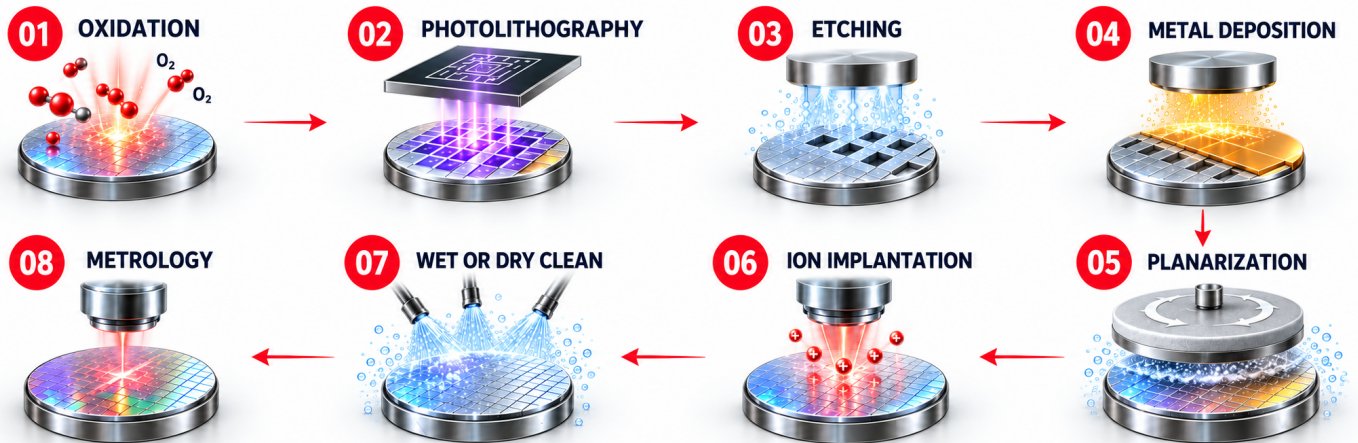
What Intelitek delivers

1 Shorter time to productivity • Shorten the path to productive work. • Reduce payroll carried before first output. • Support faster ramp-up on new lines and tools.	2 Fab personnel returned to core work • Reduce reliance on in-house Fab personnel for training. • Free engineers and senior technicians to focus on yield and uptime. • Limit interruptions to running production.	3 Better onboarding experience • Replace improvised shadowing with a structured path. • Reduce frustration and build confidence. • Improve retention.	4 Training quality • Combine in-depth theory with extensive practice. • Build on real industrial experience. • Keep training current and aligned with internal systems.
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UNDERSTAND THE PROCESS. TRAIN FOR THE FAB.

From process knowledge to practical technician skills



Steps repeat across many layers. Assembly and packaging follow.

Simplified fabrication overview. Steps repeat across layers; sequences vary by device. Design and wafer preparation precede fabrication.

A COMPLETE TECHNICIAN TRAINING SYSTEM

Intelitek combines semiconductor-specific curriculum with real lab hardware, cleanroom simulation and wafer-handling robotics. Learners study the process, practice on equipment and build the knowledge needed for semiconductor technician roles.

CURRICULUM

Developed by industry subject-matter experts and semi-Fab veterans. Builds on mechatronics and maintenance skills.

HANDS-ON EQUIPMENT

Aligned labs connect instructions to cleanroom practices, vacuum systems, EFEMs and wafer-handling robotics.

PROCESS SIMULATION

Advanced process-specific topics use simulation to explore fabrication steps and connect them to the wider Fab workflow.

WHY IT MATTERS

More prepared candidates

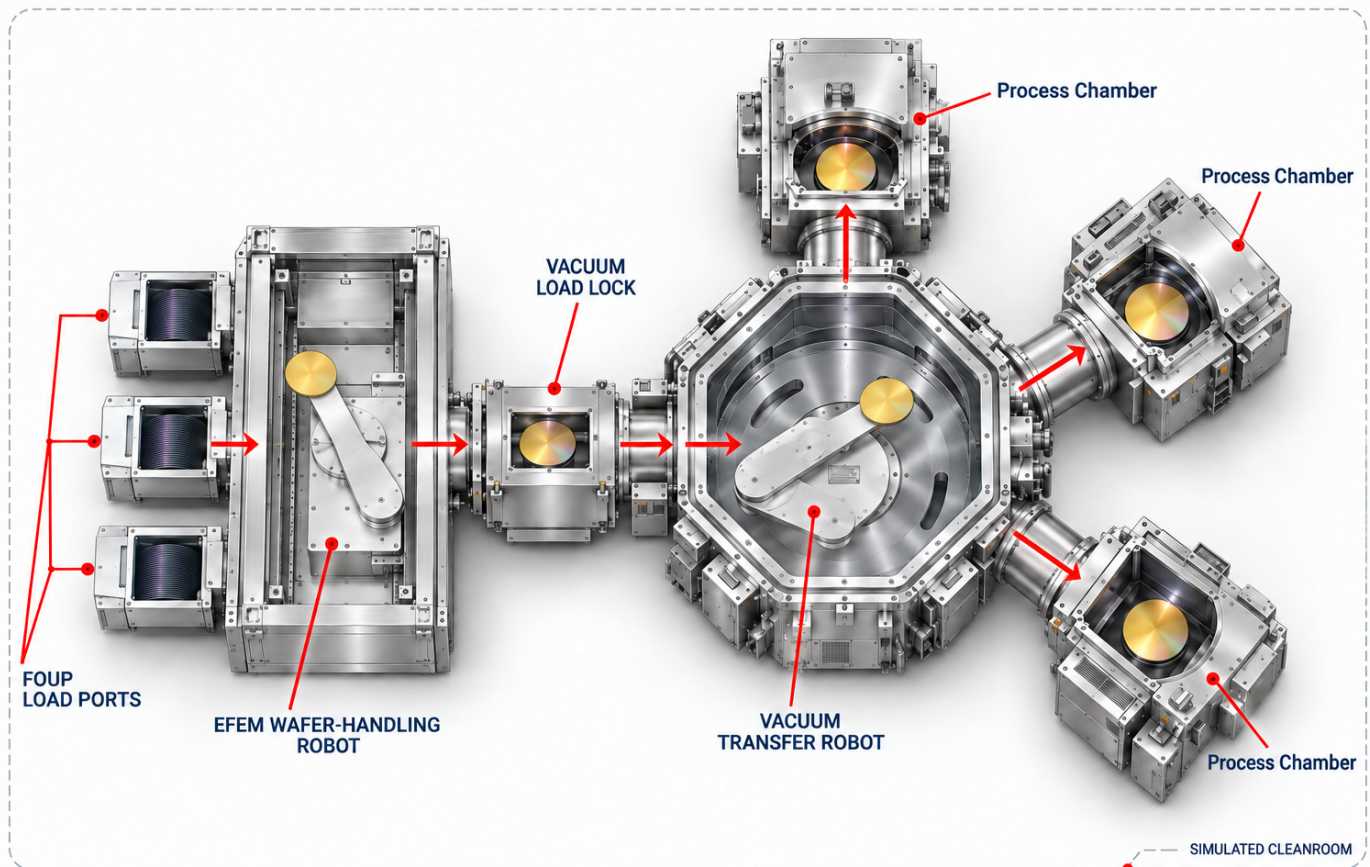
Hands-on practice builds familiarity with Fab terminology, processes, technology and equipment.

A stronger transition to work

Training is designed to shorten site-specific ramp-up and reduce the burden of employee training and orientation.

CURRICULUM ALIGNED WITH LAB HARDWARE.

Semiconductor-specific courses, practical labs and real equipment create one connected learning experience.



Illustrative training configuration. Equipment and process modules shown schematically.

Built by industry specialists

Dedicated semiconductor curriculum developed by industry subject-matter experts and semi-Fab veterans.

Theory connected to practice

Web-based instruction is paired with hands-on learning using lab hardware and simulated cleanroom processes.

A stronger start in the Fab

Learners build familiarity with terminology, processes and equipment to support their transition into industry roles.

Expand your program

Additional courses: manufacturing foundations, electrical and mechanical systems, pneumatics, Industry 4.0, automation, robotics and quality assurance.

FULL CURRICULUM AND HANDS-ON LEARNING

Six curriculum areas supported by aligned lab hardware

CURRICULUM AREA	COURSE CONTENT + PRACTICAL LEARNING
Foundations of Semiconductor Manufacturing	Six curriculum areas supported by practice and experience
Safety for Semiconductor Manufacturing	Cleanroom, electrical, mechanical and chemical safety; emergency response; control of hazardous energy.
Semiconductor Cleanroom Operation	Cleanroom fundamentals, processes and practices; structure, equipment and maintenance.
Industrial Vacuum Systems	Pressure measurement, vacuum components and gas flow; preventive maintenance, contamination control and pneumatic control.
Semiconductor Manufacturing Advanced Production and Process Flow	Wafer lifecycle; photolithography through metrology; process integration and yield; instrumentation and measurement.
EFEMs and Wafer Handling	Robotics; Yaskawa EFEM; pre-aligner; pneumatic system activation and safety components in Fab tools.

Fab chamber operations and maintenance: in development.

MORE TO COME

Additional courses planned this year

ALIGNED TO INDUSTRY CREDENTIALS



**ASK US ABOUT OUR SOLUTION:
CURRICULUM + LAB HARDWARE.**

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