

Background: The Semiconductor Industry in Indiana

\$4.2+B

in private sector investment announced since passage of the CHIPS and Science Actⁱ

1500+

Current and planned jobs in the semiconductor industry across the stateⁱⁱ

5,000+

Graduates in semiconductor-related degrees produced by IN universities each yearⁱⁱⁱ

30+

Research institutions involved in education or research related to semiconductors in the state^{iv}



In May 2022, Purdue University launched the comprehensive **Semiconductor Degrees Program**, a first-of-its-kind program for undergraduate and graduate students



Mega sites such as **LEAP-Lebanon** and **WestGate@Crane** are attracting the semiconductor industry and other careers of the future

The Investing in America agenda is promoting growth of the semiconductor industry in Indiana including:

- CHIPS for America has **awarded** up to **\$458 million** to **SK hynix** for establishing a leading-edge advanced semiconductor packaging and research and design (R&D) facility that will produce next generation high-bandwidth memory;
- The **Silicon Crossroads Microelectronics Commons Hub (SCMC)** was awarded **\$32.9 million** as one of eight regional hubs selected for the **U.S. Department of Defense Microelectronics Commons** program, and **awarded an additional \$16.6 million** to fund new projects; and
- **\$5.9 million** from the **National Science Foundation (NSF)** has been awarded to support **research and innovation** projects at Purdue University to improve semiconductor performance and energy efficiency.

The CHIPS and Science Act (“CHIPS”) is spurring new investments in critical infrastructure including:

- **\$4 million** investment in wastewater treatment infrastructure improvements (\$2 million from the City of West Lafayette and a \$2 million grant from the **U.S. Economic Development Administration**);
- **\$45 million** from a newly created **Innovation Development District** to support infrastructure improvements surrounding the SK hynix facility;
- **\$78 million** for **state clean water funding** from the U.S. Environmental Protection Agency to support growth of dynamic ecosystems and economic opportunity in the Greater Lafayette region; and
- **Establishment of the Hard Tech Corridor**, anchored by the SK hynix facility at Purdue University, extends south to the **LEAP-Lebanon Innovation District**, travels through Indianapolis, and then extends to the Naval Surface Warfare Center, Crane Division (NSWC Crane).

CHIPS is stimulating the growth of research and development assets including:

- **\$100 million investment** as part of the new **Purdue Computes** initiative, upgrading the Birck Nanotechnology Center and establishing a new Institute for Physical Artificial Intelligence;
- **\$111 million+** investment to **expand microelectronics and nanotechnology programs at Indiana University**, with an emphasis on national security challenges via collaboration with NSWC Crane;

- **Creation of a new trans-Atlantic semiconductor R&D partnership** between the State of Indiana, Purdue University, and imec, including establishing the company's first Midwest research office; and
- **Establishing the Indiana Research Consortium** to advance defense technologies, with microelectronics and semiconductors as one of the primary research areas.

CHIPS is catalyzing new workforce development pipelines to connect residents with good-paying jobs in the semiconductor industry including:

- Creation of **the Purdue-Ivy Tech CHIPS (PITCH) Program** which offers hands-on training to introduce high school juniors and seniors to semiconductor careers;
- Establishment of the **CASCADE Apprenticeship program** to develop a highly skilled workforce in semiconductor design;
- Adoption of the **Future-Focused Academic Standards**, integrating **STEM initiatives for K-12 students** focused on real-world problem-solving using inquiry-based learning and engineering design; and
- Launch of the **Semiconductor Fabrication Certificate** by Ivy Tech Community College to provide a gateway into entry-level technician jobs.

CHIPS is mobilizing new initiatives to ensure economic benefits of semiconductor industry growth reach the whole community including:



Growing the Construction Workforce

Indiana Career Scholarship Accounts (CSA) provide up to \$5,000 in scholarships to remove barriers to participation in career training programs, including construction trades.



Ensuring Affordable Housing

Indiana's **READI 1.0** program has supported \$44 million of investment in attainable housing across Indiana and READI 2.0 will continue the investment.



Growing Workforce Diversity

Indiana University is a founding member of the **EDGE Consortium**, founded to double the number of industry-ready women and people of color in semiconductor-related careers.



Addressing the Childcare Crisis

The **Child Care Resource Network** is expected to add 400 new openings, expanding high-quality childcare across the Lafayette region including the LEAP district.

Indiana Economic Development Contacts:

- **Indiana Economic Development Corporation**
 - **Contact Email:** AFisher1@iedc.IN.gov
- **Greater Lafayette Commerce**
 - **Contact Email:** pmoses@greaterlafayettecommerce.com
- **City of West Lafayette**
 - **Contact Email:** jvanschuyver@westlafayette.in.gov
- **Purdue Research Foundation**
 - **Contact Email:** jrferency@prf.org

Note: This fact sheet provides examples of entities, programs, and initiatives that CHIPS for America is aware of in the State of Indiana to support its growing semiconductor industry. The information is based on CHIPS for America engagement with entities involved in Indiana's semiconductor industry and was collected in collaboration with Indiana Economic Development Corporation (IEDC). Indiana Economic Development Corporation provided the list of state and local economic development organizations in the geography of leading-edge CHIPS Incentives announcements.

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i-iv IEDC provided data