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**CRANE AND PARTNERSHIPS**



# Goals of CHIPS and Science Act

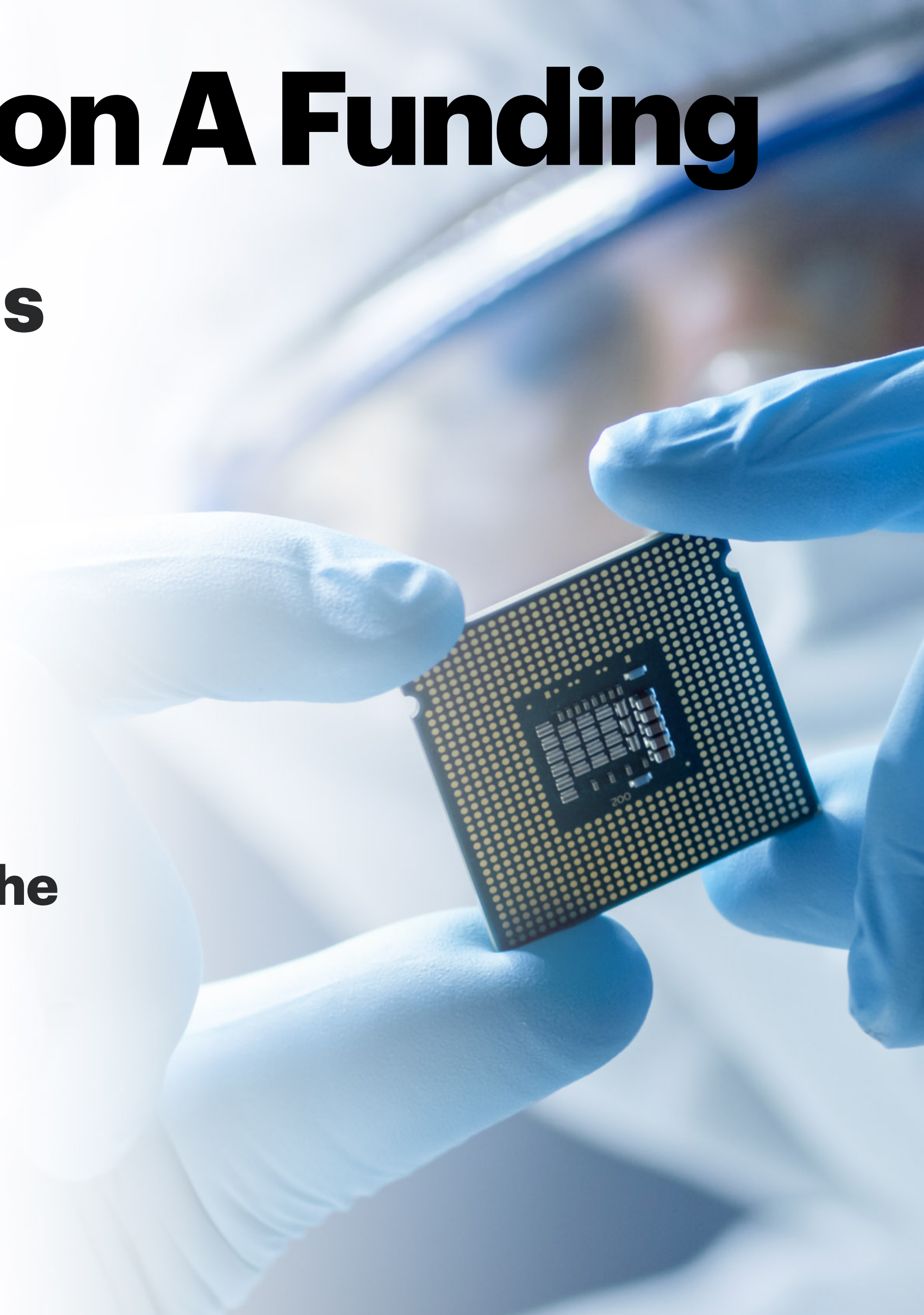
- **Unleash private sector innovation while significantly boosting federal national security investments**
- **Reignite semiconductor manufacturing in the United States**
- **Beat China**





# **CHIPS and Science • Division A Funding**

- \$52 billion in emergency appropriations for the CHIPS Act**
- Of which, \$39 billion to support the US semiconductor industry**
  - \$2 billion to support semiconductor work essential to the military (ME Commons Program managed by CRANE)**
  - To invest in US companies to build a domestic semiconductor manufacturing infrastructure**





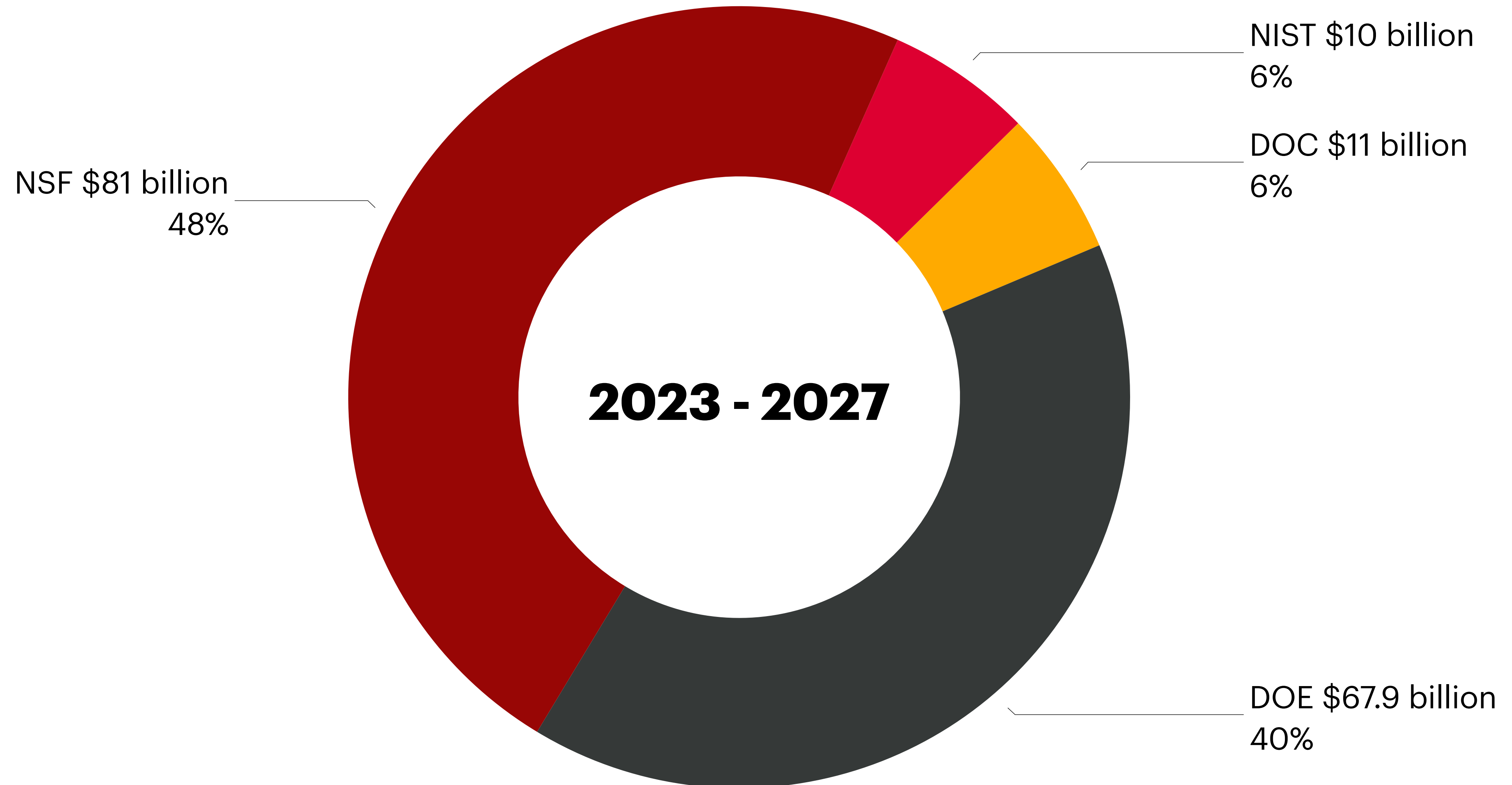
# Division B • Science

- **National Science Foundation - \$81 billion**
  - NSF Tech Directorate - \$20 billion
  - NSF Core Activities - \$61 billion
- **Department of Commerce - \$11 billion**
  - Regional Technology Hubs - \$10 billion
- **Department of Energy - \$67.9 billion**
- **National Institute of Standards and Technology (NIST) - \$10 billion**





# Division B • 5-year Authorizations





# **IU and the C&S Act**

## **Division A**

**ME Commons**

**IU CREATE**

**Workforce Development**

## **Division B**

**EDA Tech Hub**

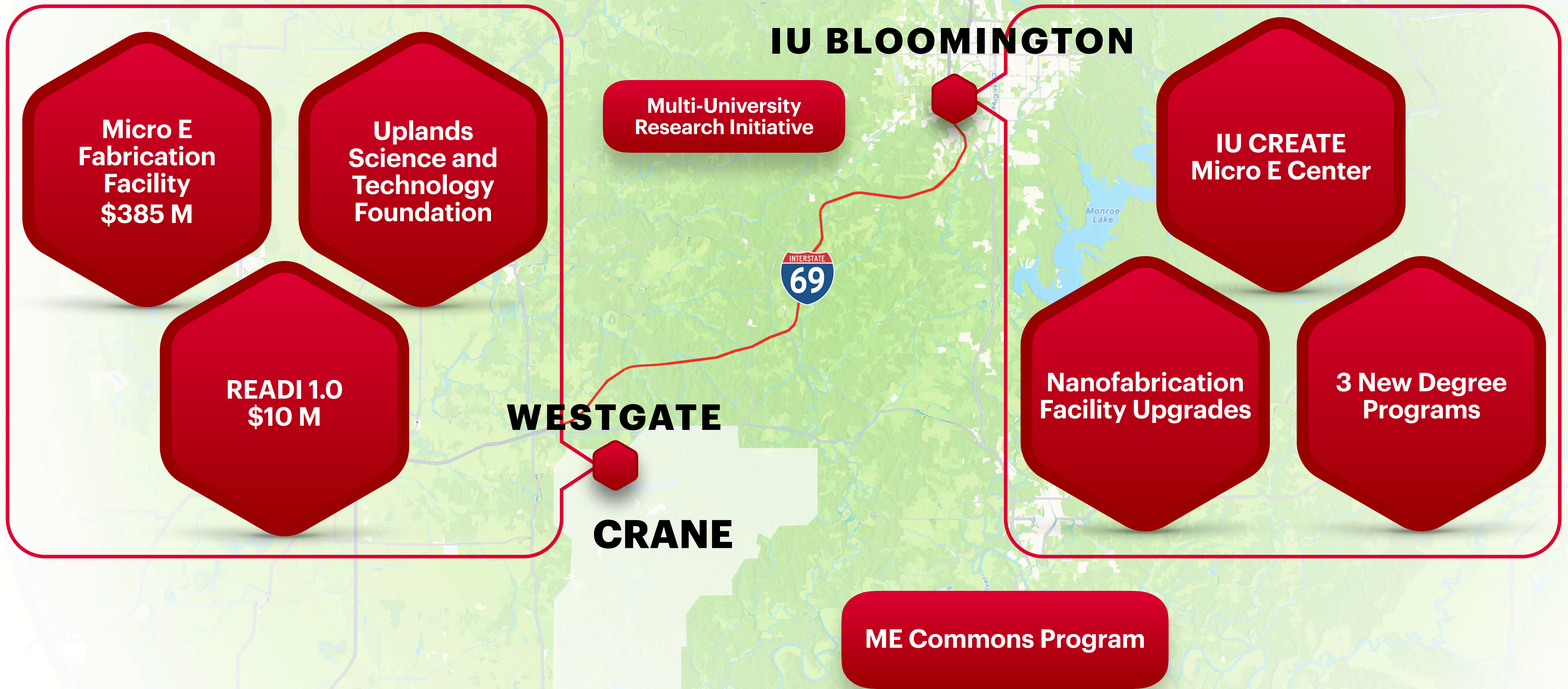
**NSF and Department of Energy funded research**

**Opportunities for students**





# IU CHIPS and Science Ecosystem



IU • CRANE

LOOKING  
AHEAD





# **IU Center for Reliable and Trusted Electronics (IU CREATE)**

- Partnership between IU, NSWCC Crane, and IEDC**
- Train a workforce**
- Triple the number of graduate students**
- Build on existing relationships with industry and government**





# SCALE Program

- **IU and Notre Dame are national co-leads for Embedded Systems/Trusted AI pillar**
- **Students working with leading Trusted AI subject matter experts**
- **Over a dozen faculty involved**
- **35 students at all levels participating**



**THANK YOU**

