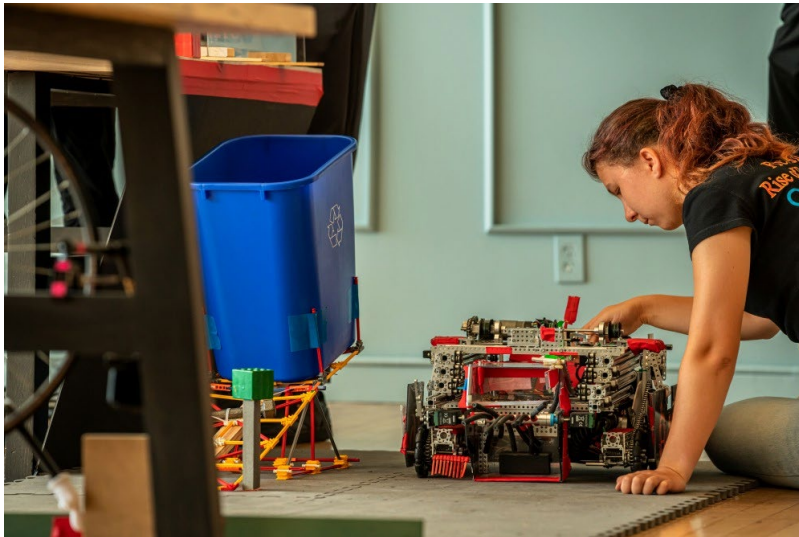


# Domestic Semiconductor Industry Workforce Overview



- 277,000 direct jobs
  - 5.7 indirect jobs multiplier
  - 1.85 million overall jobs impact
  - Diversified workforce
- 
- By region
  - By occupational need
  - By educational attainment

# The Challenges Facing the Domestic Semiconductor Workforce



- Need to increase preK-12 STEM education and interest in Higher Education
- Need to increase interest in the semiconductor industry for those pursuing STEM degrees & certifications
- More demand for semiconductor jobs
- Short-term domestic manufacturing growth to reverse decreased capacity share (e.g., 37% share in 1990 to 12% in 2020). Need for technical workers.
- Long-term growth in semiconductor market needs to be met with increased talent pipeline for continued innovation leadership.

# What Needs to be Done



- Consider timing and nature of workforce needs
- Short-term needs: what are they and who can meet them?
- Long-term needs: what are they and who can meet them?
- Focus on effective implementation of the CHIPS and Science Act, both manufacturing grants and R&D/workforce provisions
- Appropriate newly increased authorized agency spending on semiconductor R&D over the next 5 years