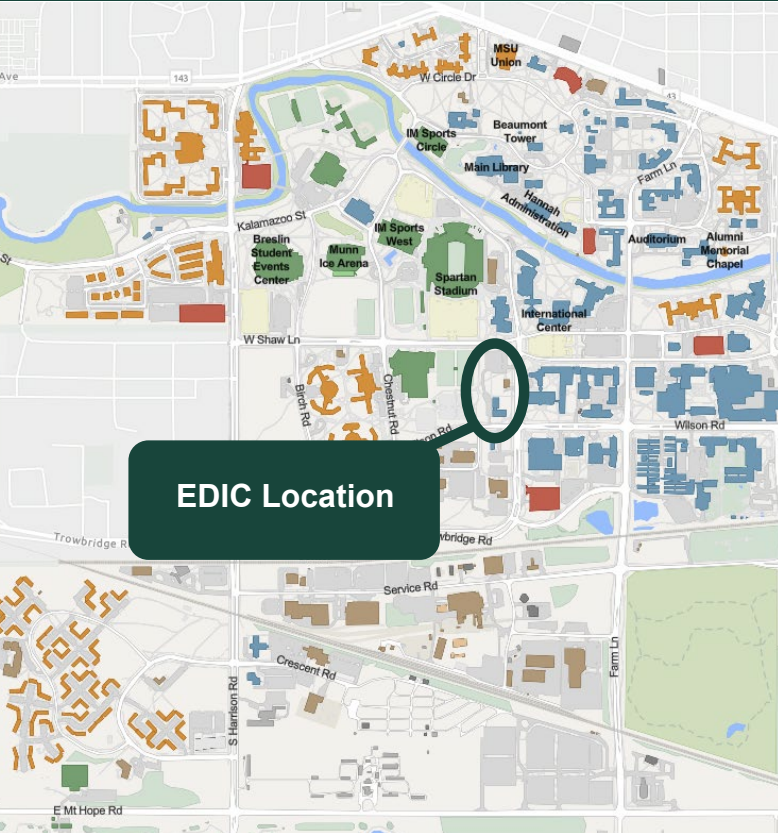


# Michigan State University Engineering and Digital innovation Center



## 21st Century Facilities for a 21st Century Workforce

- Michigan needs a trained workforce in essential disciplines to ensure we are a leading manufacturing hub in many industries
- This request is to meet industry needs and student demands to advance research opportunities
- The State of Michigan needs a facility to maintain and develop excellence in material science, ultrafast science, quantum computing, heterogeneous micro-electronic technologies and advance manufacturing
- Innovations coming out of the intersection of digital science and material science will be commercialized (licensed IP or startups in Michigan) to support chip manufacturing, electric vehicles, and alternative energy
- The Bureau of Labor Statistics forecasts 667,600 new jobs in computer science related fields, with a median income of \$97,500 - we can help Michigan compete for these jobs
- The Engineering and Digital Innovation Center is a \$250m, 270,000 square foot facility focused on education and research at the convergence of the digital and physical technologies
- Providing teaching, learning, and research space for:
  - 50 principal investigators and research teams
  - 1,500 new engineering students
  - Nearly 60% of MSU engineering students remain in Michigan upon graduation
- MSU is seeking a \$150m commitment from our state partners to support this Engineering and Digital Innovation Center

### At a Glance:

- Estimated cost: Approximately \$250m
- Approximate size: 270K sq.ft.
  - Digital experience: 140K sq.ft.
  - Materials science: 130K sq.ft.
- 50 principal investigators and research teams
- Increased enrollment of new undergraduate and graduate students



Aligns modern building space functionality and infrastructure with new capacity for innovation.



Supports synergies between researchers and students, enhancing potential for discovery.



Increases the potential to attract significant federal funding in high-demand research areas.