BUILD THE FUTURE:

2035 CAMPUS PLAN

UNIVERSITY SENATE OCTOBER 26, 2022
FOCUS ON EXCELLENCE

Internationally Competitive Faculty
International Recognition for Research
Transformational Residential Experience
10,000 Students
QUANTITATIVE ANALYSIS

SPACE NEEDS

- **Teaching labs** need is driven by courses and assumes utilization targets are met
- **Classroom** square footage quantity is in balance but will be a shortage as enrollment increases
  - Opportunity to improve use of existing rooms through increased scheduling and aligning section sizes with room capacities
- **Student collaboration/informal learning areas** should be distributed across campus
- **Research space** quantity is sufficient; however, the condition, quality, configuration, and location hinder interdisciplinary collaboration
- **Office** “surplus” cannot easily be repurposed as physical inventory reflects spaces scaled based upon a different workplace environment.
- **Student-centered space** is currently sufficient in quantity; however, enrollment growth will create a need for additional space
QUALITATIVE ANALYSIS

SPACE NEEDS

• **Location** of space

• **Condition** and **quality** of existing space
  — For example, classrooms are more traditional in nature with low space per seat, which impacts pedagogical flexibility.

• **Configuration** of legacy buildings particularly impacts adaptability for next-gen spaces

• **Lack of collaboration areas**, which impacts ability to develop learning communities and showcase student success

• **Space alignment** with marketing needs
  — Hands-on learning but not on display / **lack of transparency in buildings**
  — **Welcoming physical environment** to support recruiting greater diversity and support changing demographics
Renovation Work in all Core Buildings
• Active learning classrooms
• Experiential teaching labs
• Flexible, shared and theme-based research
• Maker and collaboration space
• Accessible and inclusive environments
• Sustainable and resilient infrastructure
• Indoor air quality control
ACADEMIC EXPERIENCE

ACADEMICS AND RESEARCH

Rekhi Building

Fisher Hall collaboration space, front door

Center for Convergence and Innovation

Academic commons
FLEXIBLE RESEARCH

THEME BASED. TRANSDISCIPLINARY. PARTNERSHIPS

- Lakefront Research Building
- H-STEM Complex
- Business and Industry Research Addition: flexible research labs, industry partnerships
MEMORIAL UNION BUILDING

STUDENT ORGANIZATIONS. FOOD. COLLABORATION SPACE.
SDC AND LITTLE HUSKIES EXPANSION

- Little Huskies expansion
- MacInnes Student Ice Arena expansion
- Field House
- Locker room expansion
- Outdoor tennis court relocation

Build the Future 18
ENERGY TRANSITION
CAMPUS AS LIVING LABORATORY. NATIONAL LEADER.

• All-electric
• Geothermal
• Microgrids
• Low-entropy temperature
• Water-source variable refrigerant system
• Dedicated outside air systems
• Off-peak generation and energy storage
• Deep conservation
NEAR TERM PROJECTS

- H-STEM Complex
- Center for Convergence and Innovation
- East End Student Housing
- Academic and Research Renovations

Legend
- New Construction
- Renovation

Build the Future
EAST END STUDENT HOUSING

Build the Future
PROJECT SCHEDULE

Request for Qualifications: July 14, 2022
Request for Proposals: October 5, 2022
Pre-proposal Meeting: October 13, 2022 (in-person)
Proposer Questions Due: October 20, 2022 (all questions via email to Theresa Coleman-Kaiser)
Proposer Workshop 1: November 3, 2022 (virtual)
Proposer Workshop 2: November 17, 2022 (virtual)

Proposals Due: December 9, 2022
Final Interviews: January 10, 2023 (in-person; tentative)
Developer Selection: January 31, 2023 (tentative)
MTU BoT Endorsement: February 23, 2023
Design and Contract Negotiation Completion: August 25, 2023
Construction: September 2023 – August 2025
Academic Renovations

Renovation Work in all Core Buildings
• Active learning classrooms
• Experiential teaching labs
• Maker and collaboration space
• Accessible and inclusive environments
• Sustainable and resilient infrastructure
• Indoor air quality control

Legend
- New Construction
- Renovation
Phase I Renovations and Implementation

Bond Funded

• Classroom and Teaching Lab Renovations ($16.3M)
• ME-EM 11th Floor Renovation ($2.5M)
• 7th Street Parking ($2.0M)
• KRC High Bay Building ($5.5M)
• MacInnes Ice Arena HVAC Improvements ($4.0M)

FY2024 State Capital Outlay Request

• Center for Convergence and Innovation
FUTURE PHASES AND OPPORTUNITIES

Near Term Projects
- Research and Industry Innovation Center
- MUB Renovations and Mallside Addition
- Research Lab Renovations
- Central Parking Structure
- Student Housing @Downtown Connector

Future Projects
- Academic Commons
- The Link Student Housing and Retail
- Facilities Relocation
- MUB South Expansion

Opportunity Projects
- Little Huskies Child Care
- SDC Expansions – Ice Hockey addition, field house, locker room addition
- Gates Tennis Center Expansion
- Tech Trails Cross Country Ski Lodge
Summer 2023

- Undergrad Chemistry Lab 501
- Organic Chemistry Lab 601
- Chem-Sci Classrooms
  - 101, 102, 104, 106, 211, 215
ME-EM 11th Floor Research Renovations

• Additive manufacturing
• Wave energy conversion
• Cyber physical systems
• Robotics and autonomous systems
7TH AVENUE
SURFACE PARKING NOW. PARKING DECKS LATER.

Expanded surface parking
KRC High Bay Building

- 21,000 SF
- High bay garage with overhead crane
- 8 bays with 1 drive through
- Capacity to house 20+ large military ground vehicles
- Maintenance facilities
MacInnes Ice Arena HVAC Improvements

• Replace existing air handlers
• New dehumidification system
• Increased ventilation
• New heating system
Center for Convergence and Innovation

- $70M ($29.9M State share and $40.1M MTU share)
- Awaiting planning authorization from the State
- House the College of Business and the College of Computing
- University wide classrooms
- Center for Diversity and Inclusion
DOWNTOWN CONNECTOR

WEST GATEWAY