Central Campus is bordered by the Red Cedar River, Hagadorn Road, railroad tracks, and Harrison Road and represents the majority of MSU's facilities on a GSF basis. As the Southwest and Southeast campuses have expanded, the Central Campus has become the geographic center of the East Lansing Campus.

The suburban development pattern that defines Central Campus is a product of its rapid expansion during the years following World War II, and while this lower-density approach serves certain programmatic functions well, it creates challenges for walkability and a vibrant academic life environment. The plan recommends strategically adding density in this key.

### Central Campus Design Guidelines

**Precinct Overview**

Central Campus Design Guidelines

<table>
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<th>SUB-PRECINCT</th>
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* Net new ASF accounts for proposed ASF minus demolished buildings ASF. See capacity study table for details.
# Central Campus Development Summary

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*An average of 0.65 as a general planning assumption was used to calculate ASF for all program uses. Net new ASF accounts for proposed ASF minus demolished buildings ASF. See capacity study table for details.
Athletics / Mixed-Use / Campus Life
SUB-PRECINCT A.
TOTAL GSF: 777,600 SF

Zoning Footprint 1
Footprint area: 11,400 SF
GSF: 72,000 SF
ASF: 46,000 SF
Building use: Mixed-Use / Parking
Floors: 4

Zoning Footprint 2
Footprint area: 40,000 SF
GSF: 163,200 SF
ASF: 106,080 SF
Building use: Mixed-Use
Floors: 3

Zoning Footprint 3
Footprint area: 136,500 SF
GSF: 141,960 SF
Building use: Athletics
Floors: 1.6

Zoning Footprint 4
Footprint area: 40,500 SF
GSF: 324,000 SF
ASF: 162,700 SF
Building use: Campus Life / Athletics
Floors: 8

Parking at the perimeter of the campus is prioritized to create a pedestrian-oriented campus
Sustainable technologies, such as PV on the roof of parking structures
Central Campus Design Guidelines
Central Campus Design Guidelines

Athletics / Recreation / Student Housing
SUB-PRECINCT B.
TOTAL GSF: 798,250 SF

Zoning Footprint 5
Footprint area: 145,000 SF
GSF: 290,000 SF
ASF: 145,000 SF
Building use: Athletics
Floors: 2

Zoning Footprint 6
Footprint area: 203,300 SF
GSF: 508,250 SF
ASF: 330,363 SF
Building use: Athletics
Floors: 1.5

TOTAL GSF: 798,250 SF

Provide additional turf fields for student recreation

Maximum envelope setback in accordance with adjacent buildings

Provide strong connections to Residential Halls area

Maintain strong connection to Residential Halls area

Provide additional turf fields for student recreation
Academics / Mixed-Use / Student Housing

SUB-PRECINCT C.

TOTAL GSF: 873,100 SF

Zoning Footprint 7
Footprint area: 19,500 SF
GSF: 19,500 SF
ASF: 63,375 SF
Building use: Mixed-Use / Academic
Floors: 4

Zoning Footprint 8
Footprint area: 110,000 SF
GSF: 110,000 SF
ASF: 775,600 SF
Building use: Student Housing / Hotel / Parking
Floors: 6

Academics / Mixed-Use / Student Housing

Central Campus Design Guidelines

Appendix | Urban Design Guidelines

Central Campus Design Guidelines

Appendix | Urban Design Guidelines

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Central Campus Design Guidelines

Academic / Campus Life
SUB-PRECINCT D.
TOTAL GSF: 1,340,600 SF

Zoning Footprint 9
Footprint area: 45,800 SF
GSF: 210,000 SF
ASF: 162,200 SF
Building use: Academic
Floors: 4

Zoning Footprint 10
Footprint area: 45,000 SF
GSF: 200,000 SF
ASF: 150,000 SF
Building use: Academic
Floors: 4

Zoning Footprint 11
Footprint area: 40,000 SF
GSF: 200,000 SF
ASF: 150,000 SF
Building use: Academic
Floors: 4

Zoning Footprint 12
Footprint area: 3,900 SF
GSF: 3,900 SF
ASF: 2,535 SF
Building use: Campus Life
Floors: 1

Zoning Footprint 13
Footprint area: 3,900 SF
GSF: 35,000 SF
ASF: 200,000 SF
Building use: Academic
Floors: 5

Zoning Footprint 14
Footprint area: 31,900 SF
GSF: 142,350 SF
ASF: 170,092 SF
Building use: Academic
Floors: 4

Zoning Footprint 15
Footprint area: 18,300 SF
GSF: 55,375 SF
ASF: 311,400 SF
Building use: Academic
Floors: 5

For the proposed Red Cedar Promenade and courtyards that maximize daylighting.

Replacing surface parking with a lawn suitable for flexible programming celebrates the relationship with the Red Cedar River.

Space between proposed buildings to visually connect existing building entries and pedestrian routes.

Systems of solar proof, courtyard, and corridor provide access to natural light and ventilation in all weather conditions.

Main plaza in the geographic center of campus redefines it as a pedestrian priority area.

Higher massing frames Shaw Ln with a continuous wall along N Shaw Ln and scale articulation along S Shaw

Space between proposed buildings to visually connect existing building entries and pedestrian routes.

Systems of solar proof, courtyard, and corridor provide access to natural light and ventilation in all weather conditions.

Main plaza in the geographic center of campus redefines it as a pedestrian priority area.
Central Campus Design Guidelines

Academic / Student Housing / Campus Life

SUB-PRECINCT E.

TOTAL GSF: 1,098,100 SF

Zoning Footprint 16
Footprint area: 30,000 SF
GSF: 30,000 SF
ASF: 22,160 SF
Building use: Campus Life
Floors: 1

Zoning Footprint 17
Footprint area: 40,000 SF
GSF: 204,000 SF
ASF: 122,600 SF
Building use: Academic
Floors: 4

Zoning Footprint 18
Footprint area: 30,000 SF
GSF: 180,000 SF
ASF: 11,250 SF
Building use: Student Housing
Floors: 5

Zoning Footprint 19
Footprint area: 44,100 SF
GSF: 220,500 SF
ASF: 143,325 SF
Building use: Academic
Floors: 4

Zoning Footprint 20
Footprint area: 36,600 SF
GSF: 219,600 SF
ASF: 142,740 SF
Building use: Academic
Floors: 5

Traffic-calming in Farm Ln can be done along the central campus plaza can be done by raising the pavement and changing the material.

Open space reserved as a waterfront park

Buildings are shaped to form permeable and connected social courtyards

Buildings are shaped to form permeable and connected social courtyards

Outdoors study & learning spaces

Planned Plant Sciences expansion to maintain street edge alignment

Pedestrian corridor activated by ground floor of academic buildings and programming

Buildings are shaped to form permeable and connected social courtyards

Appendix | Urban Design Guidelines

Appendix | Urban Design Guidelines
Central Campus Design Guidelines

Academic / Student Housing
SUB-PRECINCT F.

TOTAL GSF: 1,046,050 SF

Zoning Footprint 22
Footprint area: 62,900 SF
GSF: 37,400 SF
AIF: 72,780 SF
Building use: Student Housing
Floors: 5

Zoning Footprint 23
Footprint area: 41,600 SF
GSF: 23,000 SF
AIF: 154,700 SF
Building use: Academic
Floors: 4

Zoning Footprint 24
Footprint area: 61,900 SF
GSF: 309,000 SF
AIF: 192,125 SF
Building use: Academic
Floors: 4

Zoning Footprint 25
Footprint area: 24,550 SF
GSF: 24,550 SF
AIF: -
Building use: Support / Parking
Floors: 1

Zoning Footprint 26
Footprint area: 32,200 SF
GSF: 96,600 SF
AIF: 62,790 SF
Building use: Academic
Floors: 2

Sustainable technologies, such as PV on the roof of parking structures.
Connections to terrains open to recreation fields along Trowbridge Rd.
Support / parking provided closer to academic buildings.
Student residential courtyards provided to maintain pedestrian corridors.
School of Packaging south extension to maintain pedestrian corridors.

Buildings are shaped to form permeable and connected social courtyards.

Sustainable technologies, such as PV on the roof of parking structures.
Connections to terrains open to recreation fields along Trowbridge Rd.
Support / parking provided closer to academic buildings.
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Support / parking provided closer to academic buildings.
Student residential courtyards provided to maintain pedestrian corridors.
School of Packaging south extension to maintain pedestrian corridors.

Buildings are shaped to form permeable and connected social courtyards.
**Academic SUB-PRECINCT G.**

**TOTAL GSF: 34,400 SF**

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Central Campus Design Guidelines

Michigan State University   | Infrastructure and Land Use Plan

**Appendix | Urban Design Guidelines**

- Low height parking structure to increase capacity
- Central Campus Design Guidelines
- Infrastructure and Land Use Plan
- Urban Design Guidelines
- Michigan State University
Central Campus Design Guidelines

Academic / Athletics / Campus Life
SUB-PRECINCT H.

TOTAL GSF: 380,500 SF

Zoning Footprint 29
Footprint area: 29,400 SF
GSF: 55,700 SF
ASF: 18,100 SF
Building use: Campus Life
Floors: 4

Zoning Footprint 30
Footprint area: 65,700 SF
GSF: 101,100 SF
ASF: 41,060 SF
Building use: Academic
Floors: 3

Zoning Footprint 31
Footprint area: 18,100 SF
GSF: 72,400 SF
ASF: 53,700 SF
Building use: Athletics
Floors: 4

Expansion of College of Veterinary Medicine in a low tower

Surrounding building massing frames the view to Wharton Center

Lower building massing continues height of IM East

Surface parking is replaced by building and expanded open space

Rare Isotope Facility expansion to include a higher building edge that defines S Shaw Ln

South expansion of IM East provides an active edge to the practice fields.

Footprint area: 29,400 SF
Footprint area: 65,700 SF
Footprint area: 18,100 SF

Building footprint reduces remaining height of IM East

Surface parking is replaced by building and expanded open space

Arcade building massing contains height of IM East

Central Campus Design Guidelines

Michigan State University | Infrastructure and Land Use Plan

Appendix | Urban Design Guidelines

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Student Housing
SUB-PRECINCT I.
TOTAL GSF: 564,200 SF

Zoning Footprint 32
Footprint area: 25,700 SF
GSF: 128,900 SF
ASF: 12,500 SF
Building use: Student Housing
Floors: 4

Zoning Footprint 33
Footprint area: 40,000 SF
GSF: 280,600 SF
ASF: 228,000 SF
Building use: Student Housing
Floors: 6

Zoning Footprint 34
Footprint area: 24,300 SF
GSF: 127,600 SF
ASF: 228,000 SF
Building use: Student Housing
Floors: 6

TOTAL GSF: 584,200 SF