Strengthen Identity & Brand
Enhance Stewardship of Campus Resources
Connect the Campus
Re-Prioritize Circulation
Promote Vibrancy

2017 Campus Capacity and Assessment Study
GUIDING PRINCIPLES

Key Issues and Opportunities

Major Hubs
Hubs are areas on campus that inspire community, collaboration, and innovation. Hubs are located at key campus crossroads and include a mix of uses, interdisciplinary facilities, and indoor and outdoor gathering spaces. Concentrating activity and creating a critical mass of people at these locations will provide a more vibrant and dynamic campus.

Key Pedestrian/Bike Connections
In order to provide a safe, healthy, and active campus, the campus needs to expand the dedicated pedestrian and bike path network. Where these paths exist today, better connectivity between paths would greatly enhance circulation throughout campus. Establishing new connections, where appropriate, can also better connect the different areas of campus. Activation of these campus corridors and public streets will shorten perceived walking distances and add vibrancy throughout campus.

Key Multi-Modal Connections
With a large campus and fragmented landholdings, providing strong connections with a direct and timely transit system between campus precincts is critical. Dedicated bus routes should be explored to connect Hillsborough Street and Centennial Campus to ease movement between campus precincts for students, faculty, and staff at all times of day. To the greatest extent possible, vehicular access and parking should remain at campus edges to ensure a more walkable and pedestrian-friendly environment in the campus core.

Limited-Use/Inactive Land
Certain land uses on campus have limited activity. Athletic and event venues provide vibrancy during games and events but have little activity during other times. These functions should be accessible to the campus community and visitors, but not located in major hub areas where more continuous activity is desired. Parking, service, and maintenance functions do not enhance vibrancy or activity on campus and should be located away from hub areas.

Non-NCSU Land Barriers
In certain areas, large parcels of land not owned by NC State divide campus. Currently, these land holdings separate campus and detract from the overall identity and brand of the University. NC State should identify strategic partners to help enhance the neighboring landholdings and streets that are critical to the University’s identity, interface, and connectivity.

Internal Campus Dividers
The railroad tracks and Rocky Branch Creek divide campus and make circulation more challenging. Providing an at-grade bridge crossing over the railroad tracks will mitigate the topography and reduce travel time and distance for moving across campus. Continued restoration and integration of the Rocky Branch Creek into campus, with identified areas for crossing, will enhance stewardship and also improve campus connectivity.

Major Road Barriers
Campus precincts are divided and bound by major roadways. Providing safe and accessible ways to cross these barriers is critical to providing a safe and connected campus. These roadways also serve as edges to campus and provide opportunities for improved campus identity, signage, and gateways.
Key Issues

The Campus Capacity and Assessment Study process included the identification of key issues on the NC State campus, which informed the Guiding Principles and strategies in the Study. Addressing and overcoming these issues will result in a more identifiable, sustainable, connected, and vibrant campus.

**Academic Cores**

There are currently four primary academic cores on campus. These cores serve as major teaching and research areas, but are currently disconnected and isolated from each other. Connecting the academic cores will provide greater opportunities for collaboration and innovation in the future.

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Unifying Campus

Major Hubs
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- Academic hubs should include the following functions and programs:
  - Interdisciplinary teaching/research buildings
  - Crossroads of different colleges/departments
  - Study/collaboration space
  - Food/cafés
  - Active open space
- Student Life hubs should include the following functions and programs:
  - Student Housing
  - Dining
  - Recreation
  - Study/collaboration space
  - Active open space
- Partnership hubs should include the following functions and programs:
  - Corporate partnership buildings
  - University teaching/research facilities
  - Cafés/cafes
  - Housing
  - Recreation, retail
  - Active open space
  - Study/collaboration space

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Key Pedestrian/Bike/Bus/Service Connections
Some paths on campus should provide access for multiple uses, but prohibit private vehicles. Clear delineation and signage for areas that allow bus and service access in the campus core are needed to improve safety and clarity of circulation. Enhanced pedestrian crossings at these locations are important to prioritize pedestrian circulation throughout campus.

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