



**NC STATE  
UNIVERSITY**



**CAPITAL DEVELOPMENT  
PLAN REPORT**

2024

# Introduction

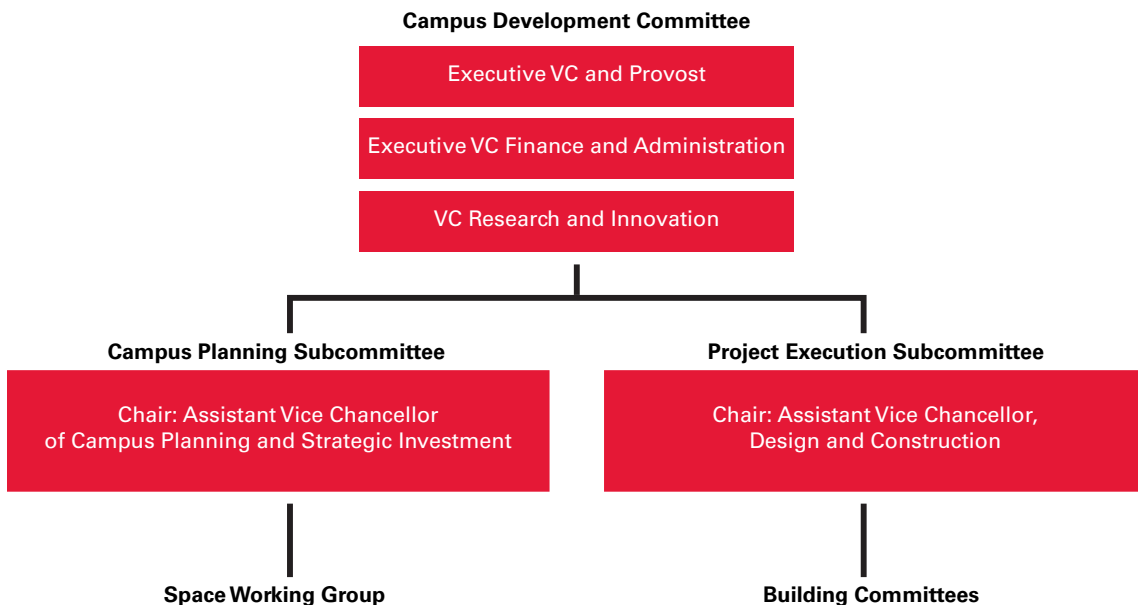
NC State University's 2024 Capital Development Plan is the university-wide roadmap of capital needs and priorities, including high-impact construction, renovation and infrastructure projects with budgets over \$4 million. This plan is the outcome of a new Campus Development Process through which the university can consider all capital needs collectively, allowing for the aggregation and prioritization of projects. First implemented in 2024, the process emerged from the university's 2023 Physical Master Plan: Framing the Future as a more effective, transparent and inclusive way to prioritize and implement university development projects. The Campus Development Process collects perspectives from a broad cross-section of stakeholders. It ensures that transformative projects are prioritized, input is inclusive, strategic criteria are used, and reporting on results is transparent.

# Campus Development Process

The Campus Development Process is focused on new construction, renovation, and/or infrastructure projects with budgets of \$4 million or more that have a high impact, align closely with institutional priorities, university strategic goals, and the Physical Master Plan. The Campus Development Process enables all colleges, units or functions to present their top three capital needs for consideration by the [Campus Development Committee](#). These requests form the Capital Development Plan, as well as inform NC State's 2025-2027 Six-Year Capital Plan, which is submitted to the UNC System every two years.

## Leadership

The Campus Development Process is led by the Campus Development Committee and its two subcommittees: the Campus Planning Subcommittee and the Project Execution Subcommittee.



- **Campus Development Committee** approves all capital projects and allocations of university space to meet the institution's overall priorities and needs.
- **Campus Planning Subcommittee** evaluates requests for space and capital needs, making recommendations to the Committee based on key drivers, value, financial impact, interdisciplinary synergies, space principles, the Physical Master Plan guiding principles and university strategic goals.
- **Project Execution Subcommittee** reviews and reports on the progress of capital projects through the design, construction, and closeout phases, providing periodic updates to the Committee and ensuring projects meet the Physical Master Plan guiding principles and expectations established during the project's planning phase.

### **About the Process**

Each college and unit was invited to submit its top three prioritized capital needs regardless of funding status (funded, unfunded or partially funded) or funding source (appropriated or non-appropriated). After submitting written summaries of up to three prioritized need(s), colleges and units were invited to present their priorities to the Campus Planning Subcommittee, highlighting the needs, importance, impact and partnership potential.

The Campus Planning Subcommittee developed a process for evaluating and prioritizing needs based on factors such as urgency, impact, requirements, the unit or college's priority, and connection to the university's strategic goals. Top priority needs received additional analysis, including funding strategies to finance a capital project. The Campus Development Committee approved the top priorities.

# Process Timeline





### Financial Planning

A hallmark of the Campus Development Process is the aggregation of capital needs regardless of potential funding source. Typically, capital projects are either state-appropriated, which means they have public funding authorized by the state, or non-appropriated, which means they are funded through private sources or are self-liquidating. By evaluating all capital requests collectively, the university can prioritize requests for state appropriations, as well as its debt capacity. Priorities that emerge from the Campus Development Process are included in the university's 2025-2027 Six-Year Capital Plan, which is a biennial submission to the UNC System requesting state-appropriated funding and identifying non-appropriated projects that require authorization, issuance of debt or student fee increases.

Categories of the Six-Year Capital Plan	
Category	Description
State Capital Infrastructure Fund (SCIF) Major Repairs and Renovation Projects	Repair and replacement of major building systems and infrastructure not exceeding \$15 million
State Capital Infrastructure Fund (SCIF) Minor Repairs and Renovation Projects	Traditional repair and renovation projects less than \$4 million
Named and New Direct-Appropriated Capital Improvement Projects	New buildings and comprehensive renovations funded by state appropriations (requests to complete current authorized projects given priority over new capital projects)
Non-Appropriated Major Repairs and Renovation and New Capital Improvement Project	New construction, comprehensive renovations, and major repairs and renovation projects financed by the institution
Non-Appropriated Minor Repairs and Renovation Projects	Minor repair and renovation projects typically under \$4 million financed by the institution

# 2024 Submissions

A total of 38 capital needs requests were submitted from 19 academic colleges or university units.

Appropriated Funding Sources			
College or Unit	Submission	Description of Need	Update(s)
College of Agriculture and Life Sciences	<a href="#">Digital Agriculture and Automation Center</a>	New facility for research and application of digital agriculture, automation, and artificial intelligence (AI) to agriculture. The next step for Plant Sciences Initiative-developed technology reaching the NC agriculture community.	
College of Agriculture and Life Sciences	<a href="#">CALs Varsity Research Building Renovation</a>	Partial building renovation to relocate faculty and research from Gardner Hall, which has inadequate lab space and is proposed for future demolition. Consolidates the Department of Entomology and Plant Pathology.	
College of Agriculture and Life Sciences	<a href="#">Mountain Horticultural Crops Research and Extension Center</a>	Renovation of aging lab, office and instructional facility supporting agriculture in western North Carolina.	Partial Funding Identified
College of Agriculture and Life Sciences	<a href="#">Metabolism &amp; Small Ruminant Education Units Relocation</a>	Relocates the education and research facility from Trenton Road, where the land lease expires in 2031, to Lake Wheeler Field Labs.	Partial Funding Identified
College of Education	<a href="#">Education Building Renovation</a>	Renovates Poe Hall to provide a permanent home for the College of Education, housed in multiple temporary locations due to the building closure.	Funding Requested
College of Humanities and Social Sciences	<a href="#">Department of Psychology - Adequate Space</a>	Provide adequate space for a large and growing academic department including faculty offices, research labs, a psychology education clinic and students.	Partial Funding Identified and Additional Funding Requested through 2025-2027 Six-Year Capital Plan
College of Natural Resources	<a href="#">Schenck Forest Multi-Purpose Building</a>	New facility to enhance teaching, research, extension, wellness, recreation, and shared programs with NC Museum of Natural Sciences by providing restrooms, office and meeting space in Schenck Forest.	
College of Natural Resources	<a href="#">New Advanced Forest Product Manufacturing Building</a>	Replace Hodges Wood Products Building with a new facility to address space shortages and growth needs across the college for instructional, research, office and student space, and includes pilot paper-making plant upgrades.	

College of Natural Resources	<a href="#">CNR Comprehensive Research and Teaching Lab Renovation</a>	Comprehensively update teaching and research labs in Pulp & Paper Labs, Biltmore Hall, Jordan Hall, Jordan Addition, and Hodges Wood Products to address safety, security, recruitment, instruction, research and student experiences.	
College of Engineering	<a href="#">Engineering Expansion - Applied AI in Engineering and Computer Science</a>	New Centennial Campus facility to support engineering student growth and research across engineering disciplines, particularly focused on applied AI.	2026 Funding Identified For Advanced Planning on 2025-2027 Six-Year Capital Plan
College of Engineering	<a href="#">North Carolina Facility for Advanced Biomanufacturing</a>	A new facility to expand and enhance biopharmaceutical manufacturing education and training programs, bioprocess and analytical services, and bioprocess research.	
College of Sciences	<a href="#">Connect Toxicology to the Centennial Central Utility Plant</a>	Connect the Toxicology Building to the central utility plant for thermal reliability and replace aging electrical infrastructure.	Funding Requested through 2025-2027 Six-Year Capital Plan
College of Veterinary Medicine	<a href="#">CVM Firestone Labs Renovation</a>	Renovate wet and dry clinical lab space for collaborative research with shared equipment, resources and storage.	
College of Veterinary Medicine	<a href="#">New CVM Education Building</a>	New facility to increase teaching, study, office, shared and support spaces.	
Division of Academic and Student Affairs	<a href="#">New Performing Arts Center</a>	Create space for the new Department of Performing Arts and Technology, as well as NC State Arts programs that are currently in three separate campus locations.	
Division of Academic and Student Affairs	<a href="#">New Centennial Campus Student Services Building</a>	Create space for student counseling, support services, recreation, student activities and more on Centennial Campus, which lacks services and to address a growing student population.	
Digital Education and Learning Applications	<a href="#">Permanent Home for DELTA Testing Services Center</a>	Relocate the growing testing center to a more student-centered location on campus.	Funding Requested through 2025-2027 Six-Year Capital Plan
College of Design	<a href="#">Brooks/Kamphoefner Safety and Accessibility Project</a>	Renovate existing facilities for accessibility, compliance with modern building code and accreditation requirements, and improved evening safety by enclosing unsecured balconies.	
College of Design	<a href="#">Brooks/Kamphoefner - Sustainability and Well-Being Project</a>	Renovate the HVAC system and repair the building envelope for improved occupant comfort and energy savings.	Funding Requested through 2025-2027 Six-Year Capital Plan
College of Design	<a href="#">Transdisciplinary Design and Innovation Center</a>	New space to support multi-college curricular collaboration to problem-solving through co-location of studios, classrooms, and research.	

Enrollment Management and Services	<a href="#">110 Classroom Maintenance and Renovation</a>	Renovate and expand classroom facilities throughout campus to meet growing enrollment and pedagogical needs.	Funding Requested through 2025-2027 Six-Year Capital Plan
Facilities Division	<a href="#">Critical Campus Infrastructure - Repair and Expansion</a>	Expansion of district energy to accommodate future campus growth, as well as significant repair projects to address critical reliability needs in numerous campus buildings. <a href="#">More details</a>	Funding Requested through 2025-2027 Six-Year Capital Plan
Libraries	<a href="#">D.H. Hill Jr. Library Concourse</a>	New addition and renovation to add 500 study seats, boost accessibility, improve the unsafe and inefficient loading dock, and address the increasing dining and library service needs associated with enrollment growth.	
Libraries	<a href="#">D.H. Hill Jr. Library East Wing Improvements</a>	New addition and renovation to add a larger makerspace, experiential learning labs and additional study seats needed for enrollment growth.	
Libraries	<a href="#">D.H. Hill Jr. Library West Wing Improvements</a>	Renovate two floors to provide a larger food service, multipurpose space and study space.	
Poole College of Management	<a href="#">PCOM New Building</a>	New facility to address the college's outdated and lack of space in Nelson Hall.	Funding Requested through 2025-2027 Six-Year Capital Plan
Wilson College of Textiles	<a href="#">Textiles Complex HVAC Capacity and Lab Exhaust Issues</a>	Increases HVAC system capacity to enable additional and more energy-efficient research.	
Wilson College of Textiles	<a href="#">Textiles Complex Stormwater System Improvement and Foundation/Paver Waterproofing</a>	Repair that would stop recurrent building leaks stemming from an inadequate courtyard stormwater system.	Study Funding Identified
Wilson College of Textiles	<a href="#">Textiles Complex Chemistry Laboratories Renovation (Pod 1)</a>	Renovate to provide open, flexible labs with shared support spaces, storage, and equipment for more effective collaboration and cross-disciplinary research.	

### Non-Appropriated Funding Sources








College or Unit	Submission	Description of Need	Status
Athletics	<a href="#">Carter Finley Stadium East Side Renovation</a>	New office building plus a renovation to add fan amenities, more concessions services and premium seating.	
Athletics	<a href="#">Basketball Practice Facility</a>	New facility for men's and women's teams to relieve scheduling pressure of multiple sports in Reynolds Coliseum and to enhance training programs.	



Campus Enterprises	<a href="#">Dining Renovations Addressing Enrollment Growth and Support Hub Concept in Physical Master Plan</a>	Upgrade and expand dining facilities to address current population and future growth needs, including new dining halls and refreshed retail locations.	
Campus Enterprises	<a href="#">Student Centers Renovations Addressing Enrollment Growth and Enhanced Functionality</a>	Renovation to accommodate growing dining, study and meeting space needs in Talley Student Union and Witherspoon Student Center stemming from student population growth.	Study Complete for Talley Student Union
Division of Academic and Student Affairs	<a href="#">Cates West Redevelopment</a>	Redevelop the residence hall area of campus at the end of Cates Avenue where new facilities would accommodate growth in student housing and dining facilities.	Partial Funding Identified and Approved to Proceed with Advanced Planning
Environmental Health and Public Safety	<a href="#">Wolfline Bus Operations and Maintenance Facility</a>	Acquisition and development of campus bus facility owned by the university, providing long-term stability to Wolfline operations that are currently on leased property.	Funding Identified and Approved to Proceed
University Real Estate and Development	<a href="#">Partners 1 Lab Coworking Incubator Project</a>	Create a modern lab incubator providing high-demand wet lab space and short-term temporary lab space when needed.	Funding Identified and Approved to Proceed
University Real Estate and Development	<a href="#">Varsity Drive Streetscape Connectivity Project</a>	Transform the stretch of Varsity Drive between Western Blvd. and Avert Ferry Road into a two-lane divided roadway, with cycle tracks and pedestrian walks per zoning mandate.	Funding Identified and Approved to Proceed
University Real Estate and Development	<a href="#">South Main Campus Drive Multimodal Improvements</a>	Redevelop a portion of Main Campus Drive between Achievement Drive and Trailwood Drive to address pedestrian and cycling needs per zoning mandate.	Funding Identified and Approved to Proceed

# 2025-2027 Priorities

All submitted requests are important and remain part of the Campus Development Plan. The Campus Development Committee arrived at the following top priorities, which are included in the university's 2025-2027 Six-Year Capital Plan submitted to the UNC System.

-  **Space for the Department of Psychology**  
Submitted by the College of Humanities and Social Sciences, the project provides adequate space for the large, growing department currently housed in multiple, temporary locations on campus. As part of the Campus Development Process, space was identified in 111 Lampe Building, which will undergo renovation.
-  **Building Renovation for the College of Education**  
Submitted by the College of Education, the project comprehensively renovates Poe Hall, which is currently closed and displacing the college to multiple, temporary locations throughout campus.
-  **Classroom Building for Engineering Growth**  
Submitted by the College of Engineering, the project adds a classroom facility to accommodate engineering program growth that has been mandated by the state legislature. State funding has been allocated beginning in 2026. The project will require the expansion of the Centennial Central Utility Plant.
-  **Critical Campus Infrastructure Repair and Expansion**  
Submitted by the Facilities Division, the phased project addresses the need for campus infrastructure renewal and growth by expanding the district energy system, repairing the aging exterior envelopes of several buildings, and replacing obsolete building systems and technology.
-  **Cates West Redevelopment**  
Submitted by Campus Enterprises and the Division of Academic and Student Affairs, the project replaces Fountain Dining Hall with a larger dining facility and removes the aging Lee, Sullivan and Bragaw residence halls to accommodate the construction of new residence halls to address enrollment growth and current building code compliance. The project will require the expansion of campus utility infrastructure.
-  **110 Classroom Maintenance and Renovation**  
Submitted by Enrollment Management and Services, the project updates aging classrooms for current pedagogical methods while adding new classrooms to address a deficiency in classroom space.
-  **Brooks and Kamphoefner Renovations**  
Submitted by the College of Design, the project renovates the mechanical systems in the buildings, repairs the building envelope and replaces exterior windows to boost occupant comfort and energy savings.

### **Thermal Utilities for the Toxicology Building**

Submitted by the College of Sciences, the project connects the research building to Centennial Central Utility Plant, which provides reliable thermal utilities and HVAC improvements that enable additional research within the facility.

### **DELTA Testing Center Permanent Home**

Submitted by Digital Education and Learning Applications, the project relocates the growing testing center from leased office building space on Centennial Campus to a more student-centered facility.

### **New Poole College of Management Building**

Submitted by the Poole College of Management, the project provides additional and updated space for the college, which had already received state funding for advanced planning. The project will require expansion of the Cates Utility Plant.

## Next Steps

All 2024 capital needs submissions remain on the Capital Development Plan until the next call for needs. At that call, colleges and units can update, resubmit, and reprioritize their top three capital needs including collaborations, partnerships, and funding strategies. New capital needs that are time-sensitive can be submitted to the Campus Development Committee at any time for consideration. Submissions that require more study and development will be identified. The next university-wide call for capital needs will be in late Summer 2025 in preparation for the fall 2026 Biennial Six-Year Capital Plan submission.



