

**CAPITAL  
FACILITIES  
PROJECT  
DESCRIPTIONS**

The University of North Carolina  
August 2000

## TABLE OF CONTENTS

<b>Appalachian State University</b>	<b>3</b>
<b>East Carolina University</b>	<b>5</b>
<b>Elizabeth City State University</b>	<b>8</b>
<b>Fayetteville State University</b>	<b>11</b>
<b>North Carolina A &amp; T State University</b>	<b>14</b>
<b>North Carolina Central University</b>	<b>18</b>
<b>North Carolina School of the Arts</b>	<b>22</b>
<b>North Carolina State University</b>	<b>24</b>
<b>The University of North Carolina at Asheville</b>	<b>29</b>
<b>The University of North Carolina at Chapel Hill</b>	<b>31</b>
<b>The University of North Carolina at Charlotte</b>	<b>40</b>
<b>The University of North Carolina at Greensboro</b>	<b>42</b>
<b>The University of North Carolina at Pembroke</b>	<b>45</b>
<b>The University of North Carolina at Wilmington</b>	<b>47</b>
<b>Western Carolina University</b>	<b>51</b>
<b>Winston-Salem State University</b>	<b>54</b>
<b>UNC Center for Public Television</b>	<b>56</b>
<b>North Carolina School of Science and Mathematics</b>	<b>57</b>
<b>North Carolina Arboretum</b>	<b>58</b>

# **Appalachian State University**

## **Central Library Complex**

**\$47,586,800**

Built for a student body half the size of ASU's today, Belk Library lacks sufficient space for student study and materials collections, and provides too little student access to information technology. The new structure will allow ASU to better serve students, accommodate enrollment growth, store and display materials collections, and enable students to access a broader range of materials through information technology. In the future, the present library building will be renovated to house the College of Education and several academic departments.

## **Science Building - Completion of Laboratories and Academic Space**

**\$1,260,000**

This project will complete approximately 8,000 square feet of unfinished laboratory space in the Science Building, constructed with funding from the 1993 bond issue. The laboratories will support the Chemistry, Physics and Astronomy, and Computer Science programs.

## **Rankin Science Building - Comprehensive Renovation**

**\$11,157,000**

Damage from repeated flooding, deterioration, and functional obsolescence make replacing a portion of Rankin Science Building located in the flood plain cheaper than renovation. The remaining, larger portion of the structure requires complete modernization, including environmental, code and access improvements, to support rapidly expanding programs in Biology, Geology, and Geography and Planning.

## **Living and Learning Center – Academic Portion**

**\$4,022,800**

This academic building will complete a residential college living and learning facility for students enrolled in the growing, highly successful Watauga College and Honors programs. The residence hall is now under construction.

## **Visual Arts Center/Education Outreach Center - Renovation**

**\$4,374,700**

The Boone United Methodist Church acquired by the University in 2000 will be renovated for use as a visual arts academic center and community educational outreach center. The estimated cost includes extensive environmental, code, and access improvements.

## **Appalachian State University (*continued*)**

<b>Smith-Wright Hall Classroom Building – Comprehensive Renovation</b>	<b>\$1,636,100</b>
<b>Founders Hall – Comprehensive Renovation</b>	<b>\$1,044,100</b>
<b>Walker Hall Classroom Building – Comprehensive Renovation</b>	<b>\$1,733,800</b>
<b>B.B. Dougherty Hall – Comprehensive Renovation</b>	<b>\$1,000,000</b>
<b>\$5,414,000</b>	

Major structural, environmental, code, and access improvements must be made to these buildings for their continued use to support current student enrollment levels and projected enrollment growth. All four buildings clearly evidence structural and functional obsolescence. Founders Hall is the former Watauga County Hospital, converted to University use.

### **Water System Improvements**

**\$2,866,200**

This project entails major renovations to the storage, treatment and distribution components of the University water system and is essential to the continued provision of adequate, safe, potable water for consumption, as well as fire protection. Additional storage capacity will be required to support campus growth. The cost of the project includes the replacement of major distribution lines, which contain transite asbestos compounds.

### **Land Acquisition**

**\$829,300**

The University has identified several parcels of contiguous land now in private ownership, which are key to the successful implementation of the ten-year Master Plan. The requested funding will permit acquisition of the land as it becomes available on the open market.

### **Technology Infrastructure Expansion**

**\$4,838,900**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total Appalachian State University \$ 82,349,700***

## **East Carolina University**

### **Science Laboratories and Technology Building – Replacement for Flanagan Science Building \$55,125,300**

This building will include teaching, laboratory, and associated faculty office space and will be the core science instructional facility for the Department of Chemistry and the School of Industry and Technology on campus. It will replace the Flanagan Building, which is overcrowded and in poor condition and will be renovated for other academic use. The project cost includes necessary infrastructure improvements, such as installation of a new boiler in the campus' central steam plant and relocation of a campus roadway.

### **Flanagan Building – Renovation and Conversion for General Academic Use \$13,421,300**

The Flanagan Building is in poor condition and, due to safety requirements and structure design, cannot be efficiently reconfigured to meet current laboratory specifications. The Department of Chemistry and the School of Industry and Technology will be relocated from Flanagan to the new Science and Technology Building. Flanagan will be renovated for academic purposes other than laboratories, thereby reducing the need for additional new construction.

### **Nursing, Allied Health and Developmental Evaluation Clinic Complex – Replace Rivers and Belk Buildings and Relocate to Medical School \$46,882,500**

This expansion at the Brody School of Medicine on the West Campus will address academic space needs for both the present and future in all three programs. By their location in close proximity to each other, the efficiency of all Health Science programs will be improved. Relocating these programs to the new complex will permit renovation of the Belk and Rivers buildings on East Campus to meet continuing growth on the main campus.

### **Expansion and Renovation of the Old Nursing Building \$14,685,500**

This project addresses office space needs for faculty members currently scattered in locations on and off campus. Included in the cost estimate is infrastructure unique to the site, such as the extension of chilled water lines for air conditioning from the central chiller plant in the Science and Technology Building. Upon completion of the new Nursing, Allied Health and Developmental Evaluation Clinic Complex described above, the existing north wings of the Old Nursing Building will be renovated to accommodate enrollment growth on the East Campus, reducing the need for new construction. Removing large amounts of asbestos will add significant flexibility and utility to the Old Nursing and Belk buildings.

## **East Carolina University (*continued*)**

### **Belk Building – Comprehensive Renovation and Conversion from Allied Health to General Academic Use**

**\$7,791,300**

Upon completion of the new Nursing, Allied Health, and Developmental Evaluation Clinic Complex described above, this building can be renovated to accommodate enrollment growth on the East Campus, reducing the need to construct new facilities. The Belk Building will gain much flexibility and utility through asbestos abatement.

### **Classroom Improvements – Technology Upgrades and Renovation (Speight, Brewster, Rivers, General Classroom Building, Rawl and Austin)**

**\$3,648,400**

These improvements are part of an ongoing modernization process to support teaching with electronic media at ECU. Classrooms are being updated to facilitate web-based and other computer assisted modes of instruction, as well as lighting and acoustics.

### **Academic Space Requirements – Teaching Laboratories**

**\$5,250,000**

Additional space for teaching laboratories is needed in virtually all curricula to address present and future academic space needs. This funding will allow a 25,700 square foot addition to an existing academic building to address the most urgent of those needs.

### **Medical School – Addition of Library and Study Space**

**\$12,600,000**

Current enrollment and expected future growth generate the need for additional library and study space. This project will provide approximately 77,000 square feet of additional space for the Health Sciences Library at the Brody School of Medicine. An expansion in this location will not only serve the University, but will help meet the increasing needs of Pitt Community College, Pitt County Memorial Hospital, and private physicians across the region.

### **“Old Cafeteria” Office Building – Comprehensive Renovation for Student Services/Academic Use**

**\$4,442,100**

To address enrollment growth needs, this building will be renovated and modernized to provide efficient offices, meeting, and work spaces for student service functions. This will allow consolidation of more student service functions, permitting one-stop-shopping by students. In its current poor condition, this building does not facilitate that goal.

**Infrastructure – Repairs and Expansion****\$16,291,100**

To respond to enrollment growth on both the East and West campuses, and to provide cost-effective utilization of energy, significant improvements in steam, electricity, gas, and chilled water systems are needed. These projects include chiller plant extensions, steam line replacements, and expansions of primary electric loops essential to a dependable and cost-effective operation.

## **East Carolina University (*continued*)**

### **Campus Computing Center – Comprehensive Renovation**

**\$1,785,000**

This project involves the renovation and modernization of campus computing center facilities for centralized information technology. It will address the current and future space needs of the rapidly growing information technology operation serving the campus and the region. As space is acquired and renovated, units scattered across campus will be able to consolidate, thereby allowing the spaces they vacate to be renovated for other academic needs.

### **Land Acquisition**

**\$7,879,400**

East Carolina University is a land-locked, urban campus. Additional property is needed to permit construction of the facilities required for the enrollment growth projected.

### **Technology Infrastructure Expansion**

**\$ 807,600**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total East Carolina University \$ 190,609,500***

## **Elizabeth City State University**

### **Lane Hall Classroom Building – Comprehensive Renovation**

**\$2,360,600**

Lane Hall has been used since 1909 with minor rehabilitation and will be comprehensively renovated. The work will include correcting structural problems; waterproofing leaky walls; replacing the roof, heating, and air conditioning equipment; renewing interior surfaces; and reconfiguring spaces for optimal use to meet enrollment growth

### **Trigg Hall Classroom Building – Comprehensive Renovation**

**\$2,109,000**

Work includes renewal of interior surfaces; replacement of plumbing, heating, and air conditioning equipment; and reconfiguring vacated spaces for academic use following the construction of the new Student Center.

### **Johnson Hall Classroom Building – Comprehensive Renovation**

**\$3,156,300**

Renovation of Johnson Hall will provide additional classroom and office space to meet enrollment growth. The scope of work includes remodeling spaces vacated by the Art Department, replacement of heating and air conditioning units, renewal of interior surfaces, replacement of windows, and sealing exterior brick

### **Williams Hall Classroom Building – Comprehensive Renovation**

**\$2,822,700**

This project will provide a comprehensive modernization of Williams Hall for reuse by academic departments. The scope of work includes remodeling spaces vacated by the Music Department, modernization of heating and air conditioning, renewal of interior surfaces, replacement of the gymnasium ceiling and roof, slate roof repairs, sealing exterior brick, and renewal of the building facade. The project will provide additional classroom space to meet enrollment growth.

### **Lester Hall Classroom Building – Partial Renovation**

**\$250,000**

This will be an austere renovation project; the heating and air conditioning system will be improved to eliminate building temperature extremes and the roof will be repaired, providing functional classroom space while other buildings are renovated.

### **White Graduate Center and Continuing Education Building – Comprehensive Renovation**

**\$1,514,000**

Comprehensive renovations will correct poor facility conditions. Interior surfaces will be renewed, persistent wall leakage problems corrected, the roof replaced, and the heating and air conditioning system subdivided to improve temperature control.

## **Elizabeth City State University (*continued*)**

### **Wilkins Laboratory Building – Comprehensive Renovation**

**\$451,800**

Minimal interior renovations and minor roof repairs will allow academic/administrative reuse of this building when ongoing construction of the Computer and Technology Building is complete.

### **Mitchell-Lewis Residence Hall – Comprehensive Renovation**

**\$2,123,700**

### **Wamack Residence Hall – Comprehensive Renovation**

**\$3,334,300**

### **Doles Residence Hall – Comprehensive Renovation**

**\$1,722,500**

**\$7,180,500**

These buildings, now in poor condition, will undergo a comprehensive modernization. Plumbing and electrical systems will be extensively renovated to meet current codes, interior surfaces renewed, bathrooms renovated, windows replaced, and air conditioning added throughout the building.

### **Residence Hall for 200 Students – Replacement of Symera Hall**

**\$5,510,000**

This new residence hall will replace Symera Hall and provide additional beds to match enrollment growth. Immediate construction of this 200-bed dormitory will provide capacity while other dorms are sequentially remodeled, leading to an eventual increase of 200 dormitory beds as enrollment grows from 2,000 to 3,000. The project includes extending campus roads and utilities to the building site.

### **Central Chiller Plant**

**\$1,400,000**

A centralized chiller plant will be built to meet cooling requirements associated with air conditioning several dormitories. The centralized system will be more reliable and efficient than individual chillers in each building. Plant capacity will allow expansion to other campus buildings as necessary in the future.

### **Student Center**

**\$8,778,300**

Existing student recreation facilities -- constructed to serve a campus population of fewer than 1,000 -- are inadequate for the current student body's administrative, cultural, social, and recreational needs. This new building will expand and augment existing facilities, and will include meeting, study, conference, and recreation spaces for students. Student services functions (financial aid, admissions, counseling, housing, campus security, infirmary, etc.) will be consolidated from diverse spaces around campus, freeing other space for academic use. This project includes modifications to Bedell Hall cafeteria, Ridley University Center, the University Bookstore, and the Commuter Center. Those functions will be

integrated in the new building. The project cost estimate includes relocation of a campus roadway, construction of a softball field that will be displaced by the building, extension of campus utilities, and installation of additional chiller capacity in the central chiller plant.

## **Elizabeth City State University (*continued*)**

### **Physical Education Facilities**

**\$1,447,500**

This project will provide improved playing fields, classrooms, locker rooms, and bathrooms immediately adjacent to outdoor facilities, allowing class sections to combine classroom instruction with outdoor training. The resulting facility will also intermittently support commencement, intramural sports, and intercollegiate athletics.

### **Campus Infrastructure Improvements**

**\$3,405,300**

This project will commence with an updating of the campus infrastructure master plan to reflect and support enrollment growth and the correction of aging infrastructure. Work will include rebuilding numerous roads, rebuilding/expansion of campus sidewalks, extension of the perimeter road around campus, and various repairs or replacements of aging, undersized water, sewage, and storm drainage systems.

### **Electrical Distribution System Upgrade**

**\$1,225,000**

The capacity of the existing high voltage distribution system will be upgraded to handle the addition of air conditioning to residence halls and the construction of the new student center. High voltage cable that has reached the end of its useful life will be replaced. These capacity and equipment upgrades will allow the local electric utility to assume maintenance of this campus loop.

### **Energy Management System Improvements**

**\$886,400**

HVAC systems throughout campus will be upgraded and retrofitted to allow centralized monitoring, control, and troubleshooting, and to improve building environments and energy savings. This project will address buildings not scheduled for major renovation.

### **Technology Infrastructure Expansion**

**\$3,149,400**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

### **Land Acquisition**

**\$650,000**

Acquisition of small parcels at select sections on the campus perimeter will allow completion of a campus perimeter road, connecting detached campus parcels.

***Total Elizabeth City State University \$ 46,296,800***

## **Fayetteville State University**

### **Residence Hall for 275 Students**

**\$6,872,300**

The need for additional campus housing at Fayetteville State is critical. During the 1999-2000 term, 1,300 students squeezed into space for 1,150 on campus and 144 upperclassmen were housed in an off-campus hotel. This project, with space for 275 students, will help ease the current housing shortage and be a step toward addressing projected housing needs. The facility will be constructed on a site identified by the recently completed Master Plan.

### **Lyons Science and Laboratory Building – Comprehensive Renovation and Addition**

**\$15,146,900**

Science labs in the Lyons Building lack adequate ventilation and suitable equipment. This project involves renovation of the existing facility and construction of a 75,000-square-foot annex to increase classroom and research lab space.

### **Science Annex – Comprehensive Renovation**

**\$1,740,500**

This project will upgrade an existing academic facility. The scope of work includes construction of an elevator, retrofitting the existing heating and air conditioning system, and interior renovations.

### **Continuing Education Center – Comprehensive Renovation**

**\$432,600**

Renovation of the Continuing Education Center includes painting, carpeting, replacing light fixtures, and replacement of restroom commodes and other fixtures.

### **Taylor Social Sciences Classroom Building – Comprehensive Renovation**

**\$884,300**

This older classroom facility requires extensive interior renovation. The scope of work includes replacement of the heating and air conditioning system, structural repairs, painting, carpeting, and replacement of light fixtures.

### **Charles Chestnutt Library – Comprehensive Renovation**

**\$875,900**

This project entails modifications to the heating and air conditioning and lighting systems, carpeting, and interior painting.

### **William Collins Building – Comprehensive Renovations**

**\$640,600**

Major components of the heating and air conditioning system will be replaced and energy management system controls installed; additional work includes painting, carpeting, and other renovations.

## **Fayetteville State University (*continued*)**

### **Seabrook Auditorium – Comprehensive Renovations**

**\$6,325,000**

Seabrook Auditorium, the university's primary facility for performing arts programs and public functions, has undergone only one renovation since construction. Mechanical and electrical systems are outdated and inadequate. There are significant structural problems, and the building does not conform to the Americans with Disabilities Act and other codes. The scope of work involves correcting those deficiencies, providing adequate support space for theater productions, and enhancing the lobby.

### **Taylor Gymnasium – Conversion of Building for Academic Use**

**\$3,360,000**

This facility will be converted to academic use, replacing outdated space for the School of Education's pre-school program, the nursing program, and student services. The scope of work includes demolition of the nearby Newbold Building.

### **Lilly Gymnasium – Comprehensive Renovation and Conversion of Building for Student Services**

**\$3,256,400**

This athletic facility will be converted to administrative and academic support, housing a range of student services (offices for student financial aid, admissions, health services, counseling, and the registrar), general classrooms, and academic offices.

### **Cook Dining Hall – Comprehensive Renovation and Conversion of Building for Academic Use and Student Services**

**\$1,773,500**

The oldest building on the FSU campus, Cook was used as a dining hall until 1999. The building will be renovated, and the ground floor will be converted to multi-purpose classroom, lecture, and conference space. The basement will be converted into the campus student bookstore.

### **Student Residence Halls - Fire Safety Improvements**

**\$611,700**

This project will make needed fire safety improvements to residence halls. Sprinkler systems will be installed and old fire alarm systems will be replaced with current equipment.

### **Campus Infrastructure Improvements**

**\$1,435,000**

Construction of priority capital projects, including the 275-bed residence hall and the Lyons Science and Laboratory Building and implementation of one-stop shopping student services at what is now Lilly Gymnasium, mandates re-routing vehicular and pedestrian traffic patterns. The changes will comply with the Campus Master Plan.

## **Fayetteville State University (*continued*)**

### **Comprehensive Renovation and Conversion of Spaulding (Old Infirmary) for Public Safety Facilities**

**\$1,029,100**

Spaulding Infirmary will be renovated and converted for use by the campus police department, and the main entrance to campus improved in keeping with the Campus Master Plan.

### **Technology Infrastructure Expansion**

**\$1,137,600**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total Fayetteville State University \$ 45,521,400***

## **North Carolina A & T State University**

### **Classroom and Laboratory Complex**

**\$29,920,700**

This building will provide space for enrollment growth in the schools of Arts & Sciences and Business & Economics, and expand information technology use in the classrooms. The scope of work includes renovating the existing Crosby and Merrick academic buildings to enhance Graduate Program support and construction related infrastructure work, such as installation of steam lines and parking area relocations.

### **Chemistry Laboratory - Replacement for Hines Hall**

**\$21,831,600**

This project will replace one of the worst science facilities in the UNC system. To complete their degrees, many A&T students have no alternative but to take two or more required chemistry courses in outdated, completely inadequate Hines Hall. Some campus utilities must be relocated as a necessary part of the project.

### **Harrison Auditorium – Comprehensive Renovation**

**\$2,895,200**

NC A&T's only large student auditorium, Harrison needs renovation and modernization to ensure continued service for campus programs, both for current and future levels of enrollment. The scope of work for this historic building includes repairing the exterior surfaces, upgrading building systems, and compliance with Americans with Disabilities Act requirements.

### **Curtis Residence Hall - Replacement**

**\$3,723,500**

This project will replace an old 149-bed residence hall that does not meet fire safety codes, Americans with Disabilities Act requirements, student security needs, or other minimum standards for student living.

### **Scott Residence Hall - Replacement**

**\$26,253,300**

This project will replace another dormitory, Scott Residence Hall, that does not meet Americans with Disabilities Act requirements or minimum student living standards. The replacement for this aging 967-bed facility will address current and enrollment growth needs, and enhance student living conditions.

### **Gamble Residence Hall - Replacement**

**\$1,552,000**

This project will replace a 58-bed residential facility that does not meet fire safety codes, Americans with Disabilities Act requirements, or minimum student living standards. The replacement building will address current and enrollment growth needs, and enhance student living conditions.

## **North Carolina A & T State University (*continued*)**

### **New Student Housing**

**\$1,897,900**

NC A&T currently has no graduate/married student housing on campus. This project will consist of a mix of one- and two-bedroom units to address current and enrollment growth needs for this segment of the student population.

### **Holland Residence Hall – Comprehensive Renovation**

**\$856,800**

Holland Residence Hall will be renovated in this project. The current 144-bed facility does not meet Americans with Disabilities Act requirements and is not air conditioned.

### **Morrison Residence Hall – Comprehensive Renovation**

**\$3,701,100**

This project will provide for the renovation of a 121-bed residential facility. This historic building currently does not meet fire safety codes or Americans with Disabilities Act requirements.

### **Zoe Barbee Residence Hall – Comprehensive Renovation**

**\$3,693,800**

This project will renovate a 407-bed residential facility. Zoe Barbee Hall does not now meet fire safety codes, is not air conditioned, and the incandescent lighting is insufficient for reading and studying.

### **Hazardous Materials and Waste Storage Facility**

**\$1,575,000**

This project will replace a storage facility for chemicals and hazardous materials that does not meet safety and Environmental Protection Act guidelines. The current facility has been condemned by the Department of Insurance.

### **Improvements to School of Agriculture Facilities**

**\$1,832,700**

This project will upgrade instructional areas in cattle and poultry programs. The existing facilities are in poor condition, cannot be economically repaired, and do not meet fire safety standards or Americans with Disabilities Act requirements.

### **Barnes Hall Laboratory – Comprehensive Renovation**

**\$5,550,100**

Barnes Hall, the University's principal biology teaching facility, will be extensively renovated to upgrade laboratory facilities, address current and anticipated enrollment capacity needs, and meet fire safety codes and Americans with Disabilities Act requirements.

## **North Carolina A & T State University (*continued*)**

### **Graham Hall Engineering Laboratory – Comprehensive Renovation**

**\$5,782,200**

Laboratories in Graham Hall -- constructed in 1939 for engineering instruction, tests, and experiments - are inadequate for students preparing for careers in business and industry today. The building will be renovated to better serve the College of Engineering's rapidly growing enrollment, and address safety and Americans with Disabilities Act requirements.

### **Corbett Intramural Center - Addition**

**\$7,035,000**

This project will provide facilities for student aerobics, weight training, and wellness programs. Fitness and wellness facilities, essential for enrollment growth and student activities, currently are not available on campus.

### **Replacement of Steam Lines and Access Holes**

**\$1,568,300**

More than 4,000 linear feet of steam lines across the campus leak and are poorly insulated. This project will replace deteriorated lines, pressure relief valves, safety valves, and inadequate manholes.

### **Electrical Distribution System – Upgrade and Expansion**

**\$2,256,800**

This project will add the capacity necessary to meet electric power requirements for the renovated and new facilities, replace inadequate transformers and transmission lines, and enhance capacity to create three power loops within the boundaries of the campus to support additional land acquisitions.

### **Central Cooling Plant - Phase I**

**\$9,430,700**

A central cooling plant and chilled water loop will replace inadequate individual cooling towers in poor condition on the north side of campus. Addition of HVAC will greatly improve student life in historical buildings and residence halls.

### **Cherry Hall Laboratory Building – Comprehensive Renovation**

**\$8,438,200**

This project will improve 47-year-old laboratories and testing facilities for civil and structural engineering students. The facilities are now in poor condition. The work will include window replacement, installation of central air conditioning, and an elevator.

### **Three Classroom Buildings (Dudley, Gibbs, and Moore) - Comprehensive Renovation**

**\$4,797,100**

Fire safety problems, Americans with Disabilities Act deficiencies, and structural failures in these three academic buildings will be corrected. Ventilation, heating, air conditioning, and electrical improvements will enhance the learning and instructional environment for students and faculty.

## **North Carolina A & T State University (*continued*)**

### **Land Acquisition**

**\$6,300,000**

The purchase of land surrounded by and adjacent to campus, as outlined in the 10-year Master Plan, will provide sites for future student housing and student recreation areas, and improve campus security.

### **Technology Infrastructure Expansion**

**\$ 2,921,700**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total North Carolina A & T State University \$ 153,813,700***

## **North Carolina Central University**

### **Science Complex – Replacement of Robinson, Hubbard, and Lee Science Buildings**

**\$36,780,000**

This new science complex will replace three outdated science buildings (Robinson, Hubbard, and Lee buildings) that will be renovated later for other academic uses. The new science complex -- laboratories with modern equipment, classrooms, and faculty offices -- will be built on the site of the old Hillside High School, which will be demolished.

### **Farrison-Newton Building – Comprehensive Renovation of Classroom Building**

**\$7,048,700**

All building systems, including mechanical, electrical, plumbing and life safety systems, will be modernized. Modifications will be made to meet Americans with Disabilities Act requirements, and asbestos removed.

### **Student Housing - Replacement**

**\$1,556,600**

Graduate student housing, which is in poor condition, lacks air conditioning, and fails to meet fire safety codes and Americans with Disabilities Act requirements, will be replaced.

### **Baynes Residence Hall - Replacement**

**\$15,091,100**

This project will replace a nine story, 400-bed residence hall whose building systems have experienced severe deterioration. Replacement of the roof, elevators, heating system, windows, interior electrical distribution system, plumbing, and lack of sprinkler protection indicate replacement as a more cost effective alternative.

### **Rush Residence Hall – Comprehensive Renovation**

**\$2,089,400**

This 86-bed facility constructed in 1937 will be renovated. The scope of work includes installing an elevator and fire sprinklers, upgrading the electrical system, replacing windows, asbestos and lead paint abatement.

### **Eagleson Residence Hall – Comprehensive Renovation**

**\$6,869,500**

This nine-story, 400-bed residence hall will be extensively renovated by installing fire sprinklers, upgrading the electrical system, improving restrooms, upgrading two elevators, abating lead and asbestos contamination of building materials, replacing windows, installing air conditioning, and renewing architectural finishes.

## **North Carolina Central University (*continued*)**

### **Shepard Residence Hall – Comprehensive Renovation**

**\$4,357,800**

This 154-bed residence hall built in 1930 will be renovated with the installation of fire sprinklers, an elevator, upgraded electric systems, and central air conditioning; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; and renewal of architectural finishes.

### **Latham Residence Hall – Comprehensive Renovation**

**\$3,411,600**

Renovation of this 40-year-old, 188-bed residence hall includes installation of fire sprinklers, an elevator, upgraded electric systems, and central air conditioning; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; and renewal of architectural finishes.

### **McLean Residence Hall – Comprehensive Renovation**

**\$305,800**

This project will renovate a 78-bed residence hall built in 1937. The scope of work includes installation of fire sprinklers, an elevator, upgraded electric systems, and a central air conditioning system; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; and renewal of architectural finishes. The project supplements \$1.9 million in other R&R work.

### **Pearson Cafeteria – Comprehensive Renovation**

**\$1,263,600**

Dining, food service and preparation areas will be renovated and a steam boiler installed; restrooms and locker rooms rehabilitated; kitchen ventilation and fire suppression systems upgraded; and the building service area redesigned.

### **Student Residence Halls – Fire Safety and Security Improvements**

**\$1,541,000**

Installation of a residence hall security system and a centralized fire alarm control and monitoring system at the Campus Police Station will improve residence hall safety and security.

### **Turner Law School – Comprehensive Renovation**

**\$7,028,800**

Complete renovation of an 80,000-square-foot academic facility, including installation of a fire sprinkler system, installation of digital controls of building environmental systems, upgrading the elevator, replacement of windows, reconfiguration of classrooms and instructional support areas, addition of exterior perimeter lighting, and renewal of architectural finishes.

## **North Carolina Central University (*continued*)**

### **Shepard Library – Comprehensive Renovation**

**\$4,374,800**

Project will repair the building exterior; install a fire sprinkler system; replace mechanical systems and controls; abate asbestos containing building materials; upgrade an electrical transformer; add new electrical panels/circuits and receptacles; replace sanitary lines; upgrade the elevator; and renew architectural finishes.

### **Old Senior Dorm – Conversion to Academic Use**

**\$2,130,700**

This 1939 residence hall will be converted to faculty and administrative offices. The building will be modified to meet Americans with Disabilities Act requirements, restrooms will be renovated, an elevator and air conditioning installed, and asbestos and lead paint contamination abated.

### **Alexander Dunn Building – Comprehensive Renovation**

**\$1,779,300**

Renovation of this 1930 building includes roof and exterior building repairs, replacement of the environmental controls system, abatement of asbestos and lead paint containing building materials, and reconfiguration of interior spaces.

### **Campus Infrastructure Improvements**

**\$10,263,800**

These infrastructure improvements include replacement of the campus primary electrical distribution system, building transformers and switchgear, and the underground steam distribution and condensate return system, and extension of the campus power grid to service the new Science Complex.

### **Hoey Building – Comprehensive Renovation**

**\$2,867,700**

This 1929 building requires roof repairs; replacement of air handling units, windows; installation of a digital controlled environmental system; and interior renovation.

### **Code Compliance Corrections of Buildings not scheduled for Compliance Modifications**

**\$3,675,000**

This project provides for urgent repairs needed for compliance with State Department of Labor and Department of Insurance standards but not included in Phase I building renovation projects.

## **North Carolina Central University (*continued*)**

### **Land Acquisition**

**\$4,000,000**

Provides for acquisition of property for replacement facilities in accordance with the Campus Master Plan.

### **Renovation of Existing Space for Public Safety Facility**

**\$840,000**

A fire station donated by the City of Durham will be renovated for use by the Campus Public Safety Department. The campus Emergency Operations Center will be housed in the facility, and all campus fire alarms, security systems, and emergency phones will be monitored. The cost includes installation of an emergency generator.

### **Technology Infrastructure Expansion**

**\$1,422,000**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total North Carolina Central University \$ 118,697,200***

# North Carolina School of the Arts

## Basic Performance and Education Complex

**\$19,130,700**

The complex will provide a chamber music hall, drama rehearsal rooms, dance studios, new classroom labs, and a high school connector building. The project also includes office space for faculty, expansion of costume design classrooms and storage facility, and renovation of school studios.

## Stevens Center – Comprehensive Modernization and Major Renovations

**\$4,434,500**

The Stevens Center is a state-owned, 10-story building in downtown Winston-Salem used by the school for productions of drama theatricals, dance, and musical performances. In their current condition, the upper five upper floors are completely unusable and uninhabitable for any purpose. When renovated, the upper floors will be used to expand the Community Music Outreach Program, and storage facilities.

## Film Archives Building

**\$2,250,000**

The School of the Arts has assembled, through acquisitions and gifts, the largest film collection, outside the Library of Congress, in the world. The collection has films from the best movies made and is the envy of every film school in the world. The films currently are stored in unsuitable warehouse space. To ensure preservation of this important state cultural asset, the films must be stored in temperature and humidity-controlled space.

## Student Services Support Complex

**\$2,500,000**

The building will provide adequate office and program space for the Registrar, Financial Aid, Admissions, Public Relations, and Alumni Affairs. Currently, these functions are housed in garages, trailers, and other substandard facilities.

## Dance Costume Shop – Comprehensive Renovation

**\$ 420,000**

## Workplace Building #2 – Comprehensive Renovation

**\$1,350,000**

## Crawford Hall and the Recital Hall – Comprehensive Renovation

**\$ 499,900**

**\$2,269,900**

These buildings were constructed pre-1950's for use as a public high school and have not been reconfigured for functionality. Comprehensive modernization and renovation of the buildings will allow more efficient use of space.

## Residence Hall

**\$1,832,100**

The school's enrollment has increased by 40% in the last 4 years, but campus housing capacity has not increased in the last 12 years. Current residence halls can house only 48% of NCSA's students on campus. This facility will add 120 beds.

## **North Carolina School of the Arts (*continued*)**

### **Gray Classroom Building – Partial Renovation**

**\$1,787,700**

Formerly a public high school facility built in 1929, this building is used for academic classrooms, dance studios, faculty offices, and music practice rooms. Modernization for current use is needed.

### **Renovation of DeMille Theatre**

**\$2,330,300**

Formerly a boys' gymnasium built in 1950, this building was converted to a theatre and is used primarily for dance and opera performances. A comprehensive modernization is needed.

### **Technology Infrastructure Expansion**

**\$1,862,300**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

### **Land Acquisition**

**\$4,150,000**

The School of the Arts needs to acquire several adjacent parcels of land to permit growth in the near future. Located on approximately 60 acres, the campus is locked in by privately-held housing.

***Total North Carolina School of the Arts \$ 42,547,500***

## **North Carolina State University**

### **South Gardner Hall Laboratory Building – Comprehensive Renovation**

**\$15,214,500**

This project includes the renovation of 100,000 square feet of laboratory space for College of Agriculture and Life Sciences; modernization of mechanical, electrical, laboratory systems, classrooms, and office spaces; and interim improvements to North Gardner Hall.

### **1911 Classroom Building – Comprehensive Renovation**

**\$6,972,000**

The interior (45,000 square feet) of this building will be reconstructed to provide undergraduate classrooms and faculty office space. The renovation addresses code deficiencies, handicap accessibility, installs central HVAC system, and provides independent electrical service.

### **Withers Hall – Conversion from Laboratory to General Academic Use**

**\$11,480,400**

This project includes the renovation of 67,500 square feet of existing teaching classroom and laboratory spaces, installation of a central HVAC system, and modernization of mechanical and electrical systems for classrooms and office spaces for general academic programs in the College of Humanities and Social Sciences.

### **Park Shops – Comprehensive Renovation and Conversion for General Academic Use**

**\$6,310,700**

This building, vacated by relocation of the College of Engineering, will be renovated and converted for use by Undergraduate Affairs.

### **Riddick Lab – Comprehensive Renovation and Conversion from Laboratory to Classroom Building**

**\$26,020,900**

This facility will be renovated and converted to use as teaching and open laboratory space for physical and biological sciences. The building was vacated by the relocation of the College of Engineering.

### **Harrelson Classroom Building – Comprehensive Renovation**

**\$13,608,500**

This 136,000-square-foot classroom building will be renovated to improve classrooms and faculty office spaces and to modernize mechanical, electrical, and plumbing systems.

### **Clark Hall – Conversion from Infirmary to Student and Faculty Support Services**

**\$2,415,000**

Formerly infirmary space, floors 2, 3, and 4 of Clark Hall will be renovated for use by faculty and student support programs.

## **North Carolina State University (*continued*)**

### **Schaub Food Science Building – Comprehensive Renovation**

**\$10,515,500**

This project includes renovation of 96,300 square feet for the Food Science department and modernization of mechanical, electrical, and laboratory systems, and classroom and office spaces.

### **Williams Hall Laboratory Building – Comprehensive Renovation**

**\$12,865,500**

This project constitutes the first phase of a two-part renovation of Williams Hall for the Department of Crop Science and Soil Science. The scope of work includes modernization of classrooms and office space, mechanical, electrical, and laboratory systems.

### **Polk Hall Laboratory Building – Comprehensive Renovation**

**\$15,053,000**

This project includes renovation of 103,700 square feet for physical and biological sciences and modernization of mechanical, electrical, and laboratory systems, and classroom and office spaces.

### **Leazar Hall Laboratory Building – Comprehensive Renovation**

**\$8,361,100**

This 66,000-square-foot renovation for the School of Design addresses life safety code requirements and provides additional design studio and shop space.

### **Daniels Hall Laboratory Building - Phase I – Comprehensive Renovation**

**\$7,864,500**

This Phase I renovation of Daniels Hall for College of Engineering undergraduate functions provides for modernization of mechanical, electrical, and HVAC systems, and classroom and office spaces.

### **David Clark Laboratory – Comprehensive Renovation and Addition**

**\$11,555,800**

Renovation of 41,800 square feet and addition of 18,368 square feet will permit consolidation of the Zoology Department. The project reduces the existing deficit in laboratory and classroom spaces and upgrades existing space.

### **College of Engineering Complex - Phase I**

**\$32,806,500**

Construction of this 132,000-square-foot general academic building provides additional research, teaching classroom, laboratory, and open laboratory space for the College of Engineering at Centennial Campus. The departments of Chemical Engineering and Material Science and Engineering will be relocated to the facility.

## **North Carolina State University (*continued*)**

### **College of Engineering Complex - Phase II**

**\$46,565,200**

Construction of this 141,000 square-foot project provides classrooms, offices, and laboratories for relocation of several engineering departments to Centennial Campus.

### **Undergraduate Science Teaching Lab - Phase I**

**\$30,215,400**

Construction of this 90,000-square-foot building provides modern undergraduate instructional laboratories for chemistry and physics programs, addresses the inadequacy of current chemistry and physics teaching laboratories, and starts to address the current space deficit. The project allows Withers Hall to be used for academic programs.

### **Undergraduate Science Teaching Lab - Phase II**

**\$12,197,000**

This 30,000-square-foot structure provides modern undergraduate instructional laboratories for biological sciences.

### **Jordan Hall Lab and Classroom Building - Addition**

**\$13,553,300**

This new wing adds 40,000 square feet of classrooms, lecture halls, distance learning facilities, and class labs for the College of Natural Resources and the College of Physical and Mathematical Sciences. The project will help reduce the current deficit in the classroom and laboratory space.

### **Library Addition**

**\$9,193,900**

This addition is the first phase of a two-part plan to address of the current deficit in student study space and other library-related enrollment growth issues.

### **Support Services Center – to Relocate Various Campus Services**

**\$10,335,800**

This project will provide 51,500 square feet of space for administrative and student support activities currently located throughout the main campus, releasing space for other academic uses.

### **Field Research Laboratories and Outlying Research Facilities - Phase I**

**\$2,500,000**

This project includes facilities improvements and upgrades at off-site locations and the Mountain Horticulture Crops Station at Fletcher.

## **North Carolina State University (*continued*)**

### **Horticulture Classroom at Arboretum Education Center**

**\$500,000**

This will include a teaching classroom for plant sciences and landscape design at the Arboretum's new 12,350-square-foot Education Center. The balance of the \$3.8 million total of the Center will be funded by private gifts.

### **Research Laboratory Space - Phase I**

**\$18,900,000**

This 80,000-square-foot multi-discipline research building is part of a multi-phased effort to relieve the shortage of research space on campus.

### **College of Veterinary Medicine - Research Addition and Renovation of Laboratories and Academic Space**

**\$20,180,000**

This project provides 70,000 square feet of research laboratory space on the College of Veterinary Medicine campus as part of a strategy to reduce the current deficit of research space on campus.

### **Public Safety Facility**

**\$4,704,000**

Expanded use of the existing railroad right-of-way for a new Triangle Transit Authority station will require the existing Public Safety building to be demolished. This replacement facility will be easily accessible to the North Campus and Centennial Campus.

### **Chilled Water Central Plant - North Campus**

**\$41,769,000**

This project includes \$12,285,000 for expansion of Cates Avenue Chilled water plant and \$29,484,000 for completion of the North Campus chiller service, including construction of a North Campus chilled water plant.

### **College of Veterinary Medicine - Mechanical and Electrical System Improvements**

**\$21,000,000**

This project will upgrade mechanical and electrical systems to allow 100% fresh air exchange in hospital/lab areas, resolve mold/contaminant problems within the air exchange system, and provide appropriate temperature and humidity control. Air conditioning will be expanded to include areas for large animals.

### **Technology Infrastructure Expansion**

**\$2,424,100**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.



## **North Carolina State University (*continued*)**

### **Chilled Water and Brickyard Loop Extension and Cooling Tower**

**\$2,913,800**

The Brickyard chilled water loop will be extended and upgraded to satisfy cooling capacity requirements in the center of the main campus.

### **College of Veterinary Medicine - Infrastructure**

**\$5,300,000**

This project will provide roads, water and sewer, steam distribution, chilled water, and storm water systems for the university and research partnership buildings.

### **Steam Distribution & Capacity Improvements (Sullivan Drive Area)**

**\$3,244,100**

The central heating plant on North Campus will be upgraded and the distribution network expanded to service new academic and support facilities.

### **Centennial Campus - Infrastructure**

**\$11,338,500**

The central chiller plant, steam plant, related distribution systems, and the electrical substation will be upgraded to support proposed development.

### **Main Campus Infrastructure (including Water System)**

**\$9,330,700**

This project will upgrade main campus infrastructure by installing building back flow devices to prevent water contamination and comply with building codes; campus pedestrian and vehicular signage; a pedestrian tunnel creating an accessible route from North to South Campus; and infrastructure for new facilities.

### **Land Acquisition**

**\$2,100,000**

These funds will provide for the purchase of properties adjacent to North Carolina State campus needed to implement the campus Master Plan.

***Total North Carolina State University \$ 449,308,700***

## **The University of North Carolina at Asheville**

### **Math and Science Building – Replacement of Rhodes and Robinson Buildings**

**\$22,203,200**

This building will provide math and science instructional lab spaces, classrooms, and faculty and staff offices to replace Rhoades and Robinson halls. Existing facilities are outdated, do not meet present technology standards, and are inadequate to teach current science and math programs.

### **Highsmith Center – Comprehensive Renovation and Addition**

**\$11,522,000**

The existing student center was built for a resident student population one-third the present size and is inadequate to provide important student services. The center will be renovated and expanded to provide a greater variety of services to a larger number of students.

### **Carmichael Hall Classroom Building – Comprehensive Renovation**

**\$5,524,200**

Carmichael Hall will undergo complete interior and exterior renovations. The building is outdated, fails to meet student and faculty technological needs, and does not comply with Americans with Disabilities Act requirements. Classroom and office spaces are inadequate for current or anticipated enrollment needs.

### **Zageir Hall Classroom Building – Partial Renovation**

**\$2,569,100**

This project will allow for a complete interior renovation and a new addition to the existing building. This building houses the social science departments. The programs in the building have outgrown the existing space and the number of faculty have doubled creating a cramped building. This would also allow for an upgrade to meet current building codes and provide for new technology.

### **Campus Primary Electrical Distribution System Upgrade and Improvements**

**\$1,023,800**

The campus underground electrical distribution system will be renovated and sections replaced. The existing system is more than 30 years old and has surpassed the expected life cycle. It is outdated and does not meet current electrical demands. The deteriorated system is over-taxed and cannot accommodate future buildings or student enrollment growth. System failure would paralyze major portions of the campus.

### **Relocate Physical Plant Facilities**

**\$6,318,900**

Built to support a 500-student enrollment and only 3 campus buildings, the physical plant and maintenance facilities now must support a campus with more than 3,200 students and 32 campus

buildings. The rapid growth has left the outdated physical plant, at its present site, surrounded by student housing. This project will relocate the physical plant facilities to the periphery of campus and free the present site for higher and better use.

**The University of North Carolina at Asheville (*continued*)**

**Technology Infrastructure Expansion**

**\$751,200**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total The University of North Carolina at Asheville \$ 49,912,400***

# **The University of North Carolina at Chapel Hill**

## **Murphey Hall Classroom Building – Comprehensive Renovation**

**\$6,723,500**

This project will provide for an extensive renovation of the entire building constructed in 1924. Murphey Hall is a heavily used general-purpose classroom building that also houses the Classics Department. Extensive work is required to preserve the building, improve occupants' safety, improve building security, and enhance functional use. Work will include new room configurations, new ceilings and lighting, new floors, new electrical and telecommunication systems and central air conditioning.

## **Science Complex – Phase I**

**\$55,012,500**

Phase I of the Science Complex includes additions to Phillips and Sitterson Halls and a new Interdisciplinary Physical Sciences Building on the site currently occupied by the ROTC Building. These buildings will replace facilities in Venable Hall (which is slated for demolition in Phase II). In addition to providing much needed space for the basic science departments of Physics and Astronomy, Chemistry, and Mathematics, these new facilities will provide space for interdisciplinary activities such as materials science, polymer science, nano-technology, separation science, applied mathematics, sensor technology and advanced visualization. The program includes new undergraduate classrooms, teaching and research labs, and a Science Theater to address existing space deficiencies. The total renovation cost is \$73,350,000, which will be funded with \$18,337,500 in self-liquidating funds and \$55,012,500 in bond funds.

## **School of Medicine – Medical Research Building – Comprehensive Renovation of Classroom and Laboratory Space**

**\$12,895,000**

The building systems are inadequate for a modern medical research laboratory building, and structural limitations of the building will not allow the installation of modern systems to support wet laboratories. For this reason and because of the growing need for dry research space, this building will be renovated as a dry laboratory facility. Work will include changes in room configuration, new ceilings and floors, new electrical, lighting and telecommunications systems and new mechanical systems.

## **New West Classroom Building – Comprehensive Renovation**

**\$4,500,000**

Constructed in 1861, this building will be renovated for continued use as a classroom/office building. Work to be performed includes various upgrades to meet building and accessibility codes. The classrooms will be upgraded. Central air conditioning and new electrical, telecommunications, and lighting systems will be installed. The building exterior will be repaired and windows replaced.

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Steele Building – Comprehensive Renovation and Conversion of Administrative Office Building to a Classroom Building**

**\$3,428,600**

Constructed in 1921 as a dormitory, Steele Building has since been converted to office use. This project will upgrade the building to meet new building and accessibility codes. The existing electrical and HVAC systems will be replaced, new lighting installed, and finishes throughout the building refurbished. The building exterior will be repaired and windows replaced.

### **440 West Franklin Street – Comprehensive Renovation and Conversion for Information Technology and Data Processing**

**\$9,170,000**

This 49-year-old building was purchased by the University to house the University's business offices. The building will be renovated to accommodate the offices of Information Technology Services. Work will include removal of asbestos; enlargement of the central computer room; replacement of electrical, lighting and air conditioning systems; upgrading of the building to meet codes; and general refurbishing of building spaces.

### **Saunders Hall Classroom Building – Comprehensive Renovation**

**\$4,194,100**

Saunders Hall was constructed in 1922 and last renovated in 1976. This classroom/office building will be upgraded to meet new building codes. New electrical, lighting and telecommunications systems will be installed; the air conditioning system replaced; and building spaces refurbished.

### **Peabody Hall Classroom Building – Comprehensive Renovation**

**\$8,509,800**

Peabody Hall was constructed in 1913 and expanded in 1960. The building houses classrooms and offices of the School of Education. This project will upgrade the classrooms, replace the air conditioning and heating system, and generally refurbish building spaces.

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Memorial Hall – Comprehensive Renovation and Addition**

**\$9,000,000**

Memorial Hall, constructed in 1931, is the largest auditorium on the campus with a seating capacity of 1626. This facility is used extensively for student assemblies and performances, lectures, concerts, and visiting performing artists. During past years, a significant amount of repair work has been done to upgrade the electrical system and repair the roof; however, major improvements are required if the University is to realize full use of the facility. The project calls for demolition of the existing stage house and additions to expand the stage house and public facilities. The expanded stage house will provide a larger stage with wing space and updated stage equipment and lighting, dressing rooms, a loading dock, and rehearsal space. Americans with Disabilities Act deficiencies will be addressed, patron spaces expanded, elevator service provided, and all building systems updated. The building is not air-conditioned, and a new HVAC system will be installed to permit year round use of the facility. The total renovation cost of \$13,450,000 will be met with \$3,650,000 in contributions from private citizens and \$9,000,000 in bond funds.

### **Smith Hall – Comprehensive Renovation**

**\$1,355,200**

Smith Hall was constructed in 1851 and renovated as Playmaker Theater in 1925. This project will complete a general renovation of the building and install central air conditioning. The auditorium will be refurbished with new seating and finishes. The total renovation cost of \$1,855,200 will be met with \$500,000 in self-liquidating funds and \$1,355,200 in bond funds.

### **Health Sciences Library – Comprehensive Renovation**

**\$11,000,000**

The intent of the renovation is to bring the building up to current code and Americans with Disabilities Act standards, and create a new “state of the art” library. All six full floors and two partial floors will be renovated, and the exterior of the building modified on the ground level to accommodate a new entrance. The building will be reconfigured to respond to major trends in library usage, including relocation of user spaces, staff workspaces, and materials storage spaces.

### **Hamilton Hall – Comprehensive Renovation of Classrooms and Lecture Halls**

**\$1,539,000**

General purpose classrooms will be renovated, including replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; modifications within the classrooms and building to provide for handicapped accessibility; and asbestos abatement.

### **Gerrard Hall Classroom Building – Comprehensive Renovation**

**\$1,350,000**

Gerrard Hall, completed in 1837, continues in us as a lecture hall. This project will complete general renovations of the building, including installation of central air conditioning and exterior building repairs

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Caldwell and Howell Halls – Comprehensive Renovation of Classrooms and Lecture Halls \$1,732,000**

General purpose classrooms and lecture halls will be renovated, including replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; modifications within the classrooms and building to provide for handicapped accessibility; and asbestos abatement.

### **Coker and Mitchell Halls – Comprehensive Renovation of Classrooms and Lecture Halls \$1,718,000**

General purpose classrooms will be renovated, including replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; modifications within the classrooms and building to provide for handicapped accessibility; and asbestos abatement.

### **Hanes and Manning Halls and Alumni Building – Comprehensive Renovation of Classrooms and Lecture Halls \$2,233,000**

General purpose classrooms will be renovated, including replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; modifications within the classrooms and building to provide for handicapped accessibility; and asbestos abatement.

### **Woollen and Fetzer – Comprehensive Renovation of Classrooms and Lecture Halls \$1,598,000**

This project will provide for renovations of general purpose classrooms and lecture halls including asbestos abatement, replacement of floors, ceilings, lighting and furniture, installation of new electrical systems and data connections, installation of new window treatments and modifications within the classrooms and building to provide for handicapped accessibility.

### **Greenlaw Hall – Comprehensive Renovation of Classrooms and Lecture Halls \$1,825,000**

General purpose classrooms will be renovated, including asbestos abatement; replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; and modifications within the classrooms and building to provide for handicapped accessibility.

### **Phillips Hall – Comprehensive Renovation of Classrooms and Lecture Halls \$1,450,000**

This project will renovate general purpose classrooms, including asbestos abatement; replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new

window treatments; and modifications within the classrooms and building to provide for handicapped accessibility.

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Hill and Davie Halls – Comprehensive Renovation of Classrooms and Lecture Halls**

**\$1,949,000**

This project will renovate general purpose classrooms, including asbestos abatement; replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; and modifications within the classrooms and building to provide for handicapped accessibility.

### **Wilson Hall Laboratory – Comprehensive Renovation**

**\$8,920,000**

Wilson Hall was constructed in 1940 and serves as a classroom/laboratory/faculty office building for the Department of Biology. The renovation will replace an obsolete air conditioning and heating system, replace electrical and lighting systems, upgrade the building to comply with modern day building codes, and complete a general refurbishing of building spaces.

### **Institute of Marine Sciences Morehead City – Comprehensive Renovation and Conversion from Lab to Classroom**

**\$1,833,300**

This facility was constructed in the 1960's as a laboratory building. Laboratories have been relocated to a newer, adjacent building, thus allowing renovation of this building for much needed office and dry laboratory space. The work will include replacement of the heating and air conditioning system, general refurbishing of converted spaces, and exterior building repairs.

### **School of Dentistry Building – Renovation and Conversion from Operatory to General Academic Use**

**\$8,397,100**

The original School of Dentistry Building will undergo a comprehensive renovation for conversion to general academic use. The work includes installation of a new sprinkler and fire alarm system, upgrades to electrical and telecommunications systems, window replacement, improvements to meet Americans with Disabilities Act requirements, asbestos abatement, and replacement of the HVAC system. The total renovation cost of \$12,329,463 will be met with \$3,932,363 in self-liquidating funds and \$8,397,100 in bond funds.

### **Rosenau Hall Laboratory Building – Comprehensive Renovation**

**\$9,000,000**

Space in Rosenau Hall freed up by completion of the School of Public Health addition will undergo comprehensive renovation and converted to other use.

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Brauer Hall – Comprehensive Renovation of Dental Clinic**

**\$13,415,400**

This project will complete the comprehensive renovation of Brauer Hall, a laboratory/faculty office building occupied by the School of Dentistry. Second floor renovations now in progress will be completed by summer 2000. The scope of work for renovating the remainder of the building (with conversion of space use) calls for window replacement, improvements to meet Americans with Disabilities Act requirements, asbestos abatement, replacement of the HVAC system, new sprinkler and fire alarm systems, and upgrades to electrical and telecommunications systems. The total renovation cost of \$15,820,538, which will be met with \$2,405,138 in self-liquidating funds and \$13,415,400 in bond funds.

### **Burnett Womack Building Research Laboratory – Comprehensive Renovation**

**\$24,848,000**

This research facility for the School of Medicine will undergo a general renovation. The building will be upgraded to meet current building codes, the HVAC system will be replaced, and laboratories refurbished with new equipment. The total renovation cost of \$27,131,000 will be met with \$2,283,000 in self-liquidating funds and \$24,848,000 in bond funds.

### **Berryhill Hall Laboratory Building – Comprehensive Renovation**

**\$10,700,000**

Berryhill Hall houses the primary teaching laboratories for the School of Medicine and other medical related disciplines. This project will complete a comprehensive renovation of the building's classrooms and laboratories. The work will include general refurbishing of spaces and replacement of equipment. The total renovation cost of \$12,800,000 will be met with \$2,100,000 in self-liquidating funds and \$10,700,000 in bond funds.

### **Beard Hall Classroom and Laboratory Building – Comprehensive Renovation**

**\$3,500,000**

Space in Beard Hall freed up by the completion of Kerr Hall will be renovated. The scope of work involves laboratories, classrooms, and offices for the departments of Medicinal Chemistry, Pharmaceutical Policy, Professional Education, Graduate Education, and Information Technology, and the Dean's Office. The total renovation cost of \$4,000,000 will be funded with \$500,000 in self-liquidating funds and \$3,500,000 in bond funds.

**Science Complex – Phase II**  
**\$33,437,500**

The Science Complex Phase II provides a new building to expand teaching, office and research space that will address existing space deficiencies and permit enrollment expansion. The project also includes a 470-space parking deck to replace existing surface spaces eliminated by new construction and demolition of Venable Hall. The parking deck will be constructed with non-appropriated funding. The total project cost of \$51,250,000 will be funded with \$17,812,500 in self-liquidating funds and \$33,437,500 in bond funds.

**The University of North Carolina at Chapel Hill (*continued*)**

**Carrington Hall – Addition for School of Nursing Project Supplement**  
**\$10,082,100**

This project will construct a 54,000 square foot addition on the east side of Carrington Hall, which houses the School of Nursing. The structure will include laboratories, offices, and instructional spaces to support nursing programs. The total project cost of \$17,986,100 will be met with \$7,904,000 in self-liquidating funds and \$10,082,100 in bond funds.

**Teaching Research Building – School of Public Health Project Supplement**  
**\$13,382,900**

A 123,000-square-foot addition to the School of Public Health will be constructed on the south side of McGavran/Greenberg and Rosenau Halls. The building will provide research laboratories, offices, and classrooms. The total project cost of \$38,981,200 will be met with \$25,598,300 in self-liquidating funds and \$13,382,900 in bond funds.

**Medical Biomolecular Research Building**  
**\$26,718,000**

This 225,000-square-foot laboratory building will house research laboratories and necessary laboratory support space for the School of Medicine. The total project cost of \$64,763,500 will be met with \$31,045,500 in self-liquidating funds, \$26,718,000 in bond funds, and \$7,000,000 in previously appropriated funds.

**Community Health Building – Consolidation of Programs**  
**\$18,340,000**

This 120,000-square-foot building will provide teaching and training facilities and office space that will enable expansion and diversification of training programs for health professionals in community health care delivery. The programs include Area Health Education Centers, Health Promotion and Disease Prevention, the Department of Medical Allied Health Professions, the Department of Social and Administrative Medicine, the Clinical Scholars Program, and Institute of the Generalists. The total project cost of \$19,965,000 will be met with \$1,625,000 in self-liquidating funds and \$18,340,000 in bond funds.

### **Academic Facilities to Consolidate International Education Programs**

**\$20,000,000**

Construction of this building for classroom and academic office space will enable existing departments in international and area studies, programs for study abroad, and support services for international students and faculty to be brought together. Currently these departments and programs are housed in numerous north campus locations. The total project cost of \$25,000,000 will be met with \$5,000,000 in self-liquidating funds and \$20,000,000 in bond funds. (The project cost includes \$8 million for infrastructure.)

## **The University of North Carolina at Chapel Hill (*continued*)**

### **College of Arts and Sciences – Digital Multimedia Instructional Center and Music Library**

**\$20,150,000**

The project will relieve existing space deficiencies for the Music Library, currently housed in the basement of Hill Hall, and provide space to expand multimedia programs in the College of Arts and Sciences. Included will be classrooms, faculty offices, multimedia teaching labs and studios, and library spaces. The total project cost of \$24,150,000 will be met with \$4,000,000 in self-liquidating funds and \$20,150,000 in bond funds.

### **School of Medicine – Bioinformatics Building – Supplement for Appropriated Activity**

**\$2,000,000**

Space to consolidate Mail Center operations will be provided on the lower floor of the proposed Bioinformatics Building. The location offers an improved loading dock and vehicular access. The total building cost of \$37,360,850 will be met with \$35,360,850 in self-liquidating funds and \$2,000,000 in bond funds.

### **Physical Plant Support Facilities**

**\$7,875,000**

This project will provide grounds maintenance facilities (replacing space lost to expansions in the Health Affairs area) and expand facilities for maintenance of buildings and utilities throughout the campus.

### **Student Services Building – Consolidation of Services (Advising, Financial Aid, Registration, Housing)**

**\$27,000,000**

Construction of this 116,000 gross square foot building will permit consolidation of a number of student support services. . Functions to be placed in the new facility include Student Advising, Student Housing, the Registrar, Student Aid, the Counseling Service, and others. Relocating these services will free space in the center of campus for academic use

### **Storm Drainage Improvements**

**\$10,500,000**

Portions of the central campus storm drainage system , which is important in managing storm water runoff and is overloaded and blocked in many locations, will be replaced.

### **Cogeneration Facility – Back Pressure Turbine Generator**

**\$2,625,000**

A backpressure turbine generator will be installed at the Cogeneration Facility.

### **Steam Distribution System Replacement**

**\$6,300,000**

This project will continue the effort to replace deteriorated underground steam distribution piping that was installed using Gilsulate for insulation. (These lines have deteriorated because of a breakdown in the insulation and are beyond economic repair.)

## **The University of North Carolina at Chapel Hill (*continued*)**

### **Upgrade Campus Energy Management and Control System**

**\$3,682,600**

This project will provide funding for the continued upgrading and expansion of the campus energy management and control system, an essential tool for the appropriate management of energy consumption.

### **Campus Fiber Optics Network**

**\$17,533,500**

Fiber will be extended to additional campus buildings, existing substandard computer wiring in buildings will be upgraded, and the network core relocated.

### **Electrical Systems Improvements**

**\$8,400,000**

This project will provide appropriate metering and distribution automation (\$2,500,000); construct shop and ancillary spaces to support expanding campus electrical systems (\$3,200,000); and extend and expand the campus underground duct bank distribution system (\$2,700,000).

### **Infrastructure Improvements – Main Campus**

**\$32,298,000**

Primary campus heating and cooling systems will be improved and expanded. The chilled water expansion will be Phases III and IV of the South Chiller Plant expansion.

### **Technology Infrastructure Expansion**

**\$9,165,000**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

**Land Acquisition**

**\$8,000,000**

Establishes a reserve to help fund property acquisitions important to carrying out the University's missions of teaching, research, and public service.

***Total The University of North Carolina at Chapel Hill \$ 499,286,100***

## **The University of North Carolina at Charlotte**

### **Academic Facilities – Humanities**

**\$16,167,000**

This project will provide classrooms, teaching studios, meeting rooms, offices and a theatre for student performances to support Music, Dance, Theatre, and other humanities departments.

### **Science and Technology Building**

**\$33,207,000**

The Science and Technology Building will provide space for departments and programs in the sciences and engineering, including the School of Information Technology and doctoral programs in Electrical Engineering, Mechanical Engineering and Biology. Of the assignable areas, 56% will be laboratories, 24% classrooms and 19% academic offices.

### **Classroom and Office Building.**

**\$26,102,500**

This project will begin to address over-crowding in existing campus academic facilities. The construction will provide instructional space, laboratories, and academic support space for current students and anticipated enrollment growth. Also included will be departmental and faculty offices, and support facilities to enhance faculty teaching and productivity.

### **College of Education Building**

**\$24,654,500**

This project will be a 135,000 square-foot facility for the College of Education. Of the assignable areas, approximately 62% will be classrooms, 30% laboratories, and 8% offices.

### **College of Nursing and Health Professions Building**

**\$34,125,000**

This 152,000 square-foot facility will provide classrooms, offices, and wet and dry laboratories for the College of Nursing.

### **Graduate Engineering Complex**

**\$14,700,000**

This 100,000-square-foot facility will include research laboratories and offices for graduate and doctoral programs in engineering.

### **Research Facility and Laboratory - Phase I**

**\$8,400,000**

This research facility will support interdisciplinary and doctoral programs, and programs in analytical chemistry, the environmental sciences, engineering and information technology. Of the \$16,800,000 project cost; one half (\$8,400,000) will be matching funds.

## **The University of North Carolina at Charlotte (*continued*)**

### **Central Heating Plant Improvements – Upgrade and Modernization**

**\$2,826,200**

The University's heating plant and steam distribution system will be improved to provide adequate capacity while complying with air quality regulations.

### **Technology Infrastructure Expansion**

**\$3,345,500**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

### **Rowe Classroom Building – Comprehensive Renovation**

**\$4,306,500**

This academic building will be extensively renovated. The scope of work includes installing a fire suppression sprinkler system and energy efficient windows; renovations to meet Americans with Disabilities Act requirements; asbestos abatement; upgrading telecommunications and electrical systems; reconfiguring room spaces; and improving acoustics and instructional support spaces.

### **McEntry Classroom Building – Comprehensive Renovation**

**\$3,433,000**

Renovation of this academic building will include upgrading telecommunication, electrical, laboratory plumbing, and safety systems; installing an emergency electric power generator and energy efficient light fixtures; reconfiguring instructional and support spaces; modifying facilities to meet Americans with Disabilities Act requirements; asbestos removal; and improved classroom acoustics.

### **Physical Plant and Campus Public Safety Facilities**

**\$5,515,000**

Needed buildings and yard space will be provide such support services as police, safety, receiving, and University maintenance departments.

**Chiller Replacement****\$1,824,200**

One central chiller plant will replace individual chillers at McEniry and Smith buildings, and have sufficient capacity to serve the Bookstore and Prospector cafeteria. The new plant will be located in McEniry and will consist of two 500-ton water-cooled centrifugal chillers, two 2-cell induced draft cooling towers, and associated pumps, piping, and controls.

*Total The University of North Carolina at Charlotte \$ 178,606,400*

**The University of North Carolina at Greensboro****Science Instructional Building - Replacement of Petty Science Building****\$38,412,200**

This new building will house Chemistry and Biology departments. It replaces obsolete classrooms and chemistry laboratories in the 1939 Petty building and provides additional classroom and laboratory space for the rapidly growing biology program

**Infrastructure - Northeast Quadrant****\$6,825,200**

This project will significantly improve campus safety, providing pedestrian walkways, lighting, and call-box security for an extended distance through undeveloped areas. Also included are pedestrian and vehicular access to the new music building, located outside the campus academic core, and campus entrance changes from an off-campus peripheral road to a campus street, reducing risks caused by increased traffic flow.

**Technology Infrastructure Expansion****\$4,101,300**

This project provides continuing funding to complete a project that is fully designed with first phase currently under construction. Provides glass fiber backbone to connect all campus buildings and provides data-port connections. All portions of the project completely meet UNC system wide specifications.

**Land Acquisition****\$7,000,000**

Provides a reserve to help purchase land essential for development of the South Campus area, as envisioned in the campus Master Plan, to meet existing campus needs and projected student enrollment growth.

**Brown Classroom Building - Comprehensive Renovation****\$6,493,900**

The 1924 Brown music building, replaced in 1999 by a new structure for the School of Music, will be renovated for other academic uses. Interior spaces will be converted to general classroom space, essential short-term to departments whose permanent space is being renovated and long-term to departments experiencing significant enrollment increases.

#### **Petty Building - Comprehensive Renovation for Classroom Use**

**\$16,272,300**

When the new Science Instructional Building is completed, the 1939 Petty Science Building will be rehabilitated for the Department of Physics and expanding student enrollment. Obsolete laboratory spaces will be renovated and converted to general classroom space.

### **The University of North Carolina at Greensboro (*continued*)**

#### **McIver Classroom Building - Replacement**

**\$21,636,500**

This project will replace McIver, a multi-discipline instructional building that is a part of the career of every student attending UNCG. McIver's spaces are totally inadequate, obsolete for current teaching. The building suffers from many building code and Americans with Disabilities Act violations.

#### **Aycock Auditorium - Comprehensive Renovation**

**\$17,163,000**

This project is a comprehensive renovation and modernization of a 2,200-seat auditorium built in 1927 and heavily used for University functions. The scope of work includes replacement of all electrical and mechanical systems and seating, improvements to exterior and interior structures, and renewal of interior finishes.

#### **Stone Classroom Building - Comprehensive Renovation**

**\$8,930,400**

This renovation consists of modernizing obsolete spaces for both laboratories and classrooms; making significant changes to comply with building code and Americans with Disabilities Act requirements; replacing plumbing, mechanical and electrical systems; and repairing serious waterproofing problems in the building shell and foundations.

#### **Meeting/Seminar/Office Space - Alumni House - Code Compliance and Building System Replacements**

**\$3,258,000**

This project includes a comprehensive renovation of the interior and exterior of the building. The work includes electrical, mechanical, and plumbing replacements, significant modernization to meet Americans with Disabilities Act requirements and building codes, and renewal of interior finishes.

### **Heating Plant Capacity Expansion and Energy Efficiency Improvements**

**\$4,851,300**

The addition of the new Music building, the Science Instructional Building, and increased process steam requirements due to student enrollment growth requires an expansion of steam plant capacity. This project replaces the smallest of three boilers with a larger capacity boiler.

### **Forney Classroom Building - Comprehensive Renovation**

**\$3,565,400**

The Forney Classroom Building will be renovated and modernized. The scope of work includes waterproofing the exterior building shell and foundation; alterations to meet Americans with Disabilities Act requirements and building codes; replacement of electrical, mechanical, and plumbing systems; and reconfiguring interior space to improve efficiency. The completed project will reopen for use spaces that have been closed due to severe water leaks through the foundation.

## **The University of North Carolina at Greensboro (*continued*)**

### **McNutt Classroom Building - Comprehensive Renovation**

**\$2,724,000**

The McNutt modernization includes electrical capacity upgrades; mechanical systems replacement; alterations to meet Americans with Disabilities Act and building code requirements; and interior improvements to enhance space utilization.

### **Electric Power Distribution - Capacity Expansion and Upgrade**

**\$4,091,000**

This project replaces the fourth of the four campus high voltage electrical distribution loops. The current substation operates beyond design capacity during portions of the year and has been built out to maximum. Electric fans currently are employed to improve cooling of transformers. A new substation will be constructed on the site with appropriate switching, vaults, ducts, and controls to permit a dual feed from Duke Power.

### **Research Space Phase I**

**\$5,250,000**

This new facility is a multi-discipline research facility for non wet-lab types of research. Programs will emphasize emerging concepts in Education, Social Service, and similar disciplines, but will place equal focus on student instruction in research and applications techniques.

### **McIver Chiller Plant Expansion and Improvements**

**\$9,373,800**

This project expands an existing chiller plant to replace, in a number of campus buildings, chillers that are well beyond expected service life and which use ozone layer depleting refrigerant (no longer manufactured). Three 1,500 ton chillers, two 1,500 ton cooling towers, and all of the piping, pumps,

building connections, and associated infrastructure will be installed. The work will constitute the final build-out of the 6,000-ton plant.

***Total The University of North Carolina at Greensboro \$ 159,948,300***

## **The University of North Carolina at Pembroke**

### **Science Building**

**\$9,408,000**

This new 40,000 square foot Science Building will house the departments of Biology, Chemistry, Physics, Geology, and Geography.

### **Oxendine Science Building – Comprehensive Renovation**

**\$8,032,600**

Renovation of this aging building will provide classrooms and faculty offices for the departments of Philosophy and Religion, Criminal Justice and Social Work, Math, and Computer Science.

### **Locklear Hall Classroom Building – Comprehensive Renovation**

**\$2,000,000**

Housing the Art Department, Locklear Hall will be renovated to include improved climate control systems, lighting, and space utilization.

### **D.F. Lowry Classroom Building - Comprehensive Renovation and Addition**

**\$1,950,500**

Lowry Hall will be renovated to comply with Americans with Disabilities Act requirements and life safety codes, and provide more efficient space utilization and climate control systems.

### **Business Administration Building – Comprehensive Renovation**

**\$1,059,800**

This academic building houses the departments of Business Administration, Social Work, and Geography. The structure will be renovated to comply with life safety codes, provide more efficient space utilization, and upgrade interior spaces.

### **Moore Classroom Hall – Comprehensive Renovation**

**\$2,639,700**

Moore Hall houses the Music Department. Comprehensive renovation and modernization of the building will include replacing climate control systems and windows, upgrading music studios, improving space utilization, and meeting Americans with Disabilities Act requirements.

### **Residence/Dining Hall – Replacement of Jacobs and Wellons Halls**

**\$7,700,300**

Jacobs and Wellons residence halls will be replaced and a new dining hall constructed to serve the residential area of campus.

### **West Residence Hall – Comprehensive Renovation**

**\$977,300**

Air conditioning and sprinklers will be installed in this residence hall.

## **The University of North Carolina at Pembroke (*continued*)**

### **Jones Physical Education Complex - Comprehensive Renovation**

**\$8,243,700**

This building will be renovated and expanded. The scope of work includes installation of fire sprinkler and air conditioning systems, and improvements to meet life safety codes and Americans with Disabilities Act requirements.

### **Replace Physical Plant Complex**

**\$5,656,000**

This project will provide funding for a new Physical Plant, associated shops, landscaping, recycling and refuse handling, and surplus storage facilities. The plant will be relocated to comply with the campus Master Plan.

### **Renovation of Former Physical Plant Facility to provide Relocation of Auxiliary Services Complex and Student Bookstore**

**\$2,696,000**

The old physical plant will be renovated and expanded to permit consolidation of all Auxiliary services, including Purchasing, the Printshop, Post Office, Receiving, and Student Bookstores.

### **Campuswide Infrastructure Improvements**

**\$1,996,600**

Some campus roadways will be reconfigured to improve circulation and safety, and create pedestrian areas in accordance with the campus Master Plan.

### **Campus Water Distribution Upgrades**

**\$525,000**

Aging campus water pipes will be replaced and a distribution loop created to improve water pressures and reliability.

### **Primary Electrical Distribution Upgrades**

**\$945,000**

This aging substation will be relocated and upgraded, and old primary distribution cables will be replaced.

### **Technology Infrastructure Expansion**

**\$2,798,500**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

*Total The University of North Carolina at Pembroke \$ 56,629,000*

## **The University of North Carolina at Wilmington**

### **School of Education Building**

**\$18,725,000**

Due to the phenomenal growth of the Watson School of Education during the past seven years (42% increase in undergraduate enrollment; 43% increase in graduate enrollment; 520% in certification-only enrollment), coupled with the severe teacher shortage facing North Carolina, this new facility is the top capital priority for UNCW. The 80,500-square-foot building will house the School of Education, the Educational Resource Center, the Office of Service to Public Schools, UNCW's large complement of NC Teaching Fellows, the Principal Fellows Program, the Professional Development System serving southeastern North Carolina public schools, the Center for Teaching Excellence, the Curriculum Materials Center, the Science and Math Education Center, and other support and outreach activities.

### **Academic and Classroom Facilities**

**\$33,032,100**

This building will house six academic disciplines in Art and Theatre, Music, Creative Writing and Film Studies. The departments and programs will share classrooms, seminar rooms, a distance learning facility, computer labs, a film editing lab, practice and rehearsal rooms, and performance and exhibit venues. Every student earning a four-year degree will use this building either through basic studies requirements or major/minor requirements.

### **General Classroom Building**

**\$12,647,000**

Additional classroom space and faculty offices are needed for the burgeoning numbers of students in the Cameron School of Business, the Environmental Studies program, the Department of Mathematical Sciences and Statistics, and the Honors Scholars program. Space is inadequate for current enrollments in these programs, which are among those expected to experience continued rapid growth.

### **King Hall Classroom Building – Comprehensive Modernization**

**\$2,697,400**

King Hall will receive major renovation in preparation for use by the departments of Sociology, Anthropology, and Criminal Justice and the program in Museum Studies. Renovation will include the addition of a central fire alarm and sprinkler system, replacement of fixed furniture, abatement of hazardous materials, and upgrade of the building's electrical system for increased computer use.

## **The University of North Carolina at Wilmington (*continued*)**

### **Hoggard Hall Classroom Building – Comprehensive Modernization**

**\$3,550,400**

This building currently houses the School of Nursing and a large portion of the Information Technology Systems Division. The School of Nursing will be relocated to Friday Hall and a number of administrative functions currently spread across campus will be consolidated in Hoggard Hall, which will be upgraded to meet current building codes. Hoggard will be reconfigured to meet campus computing and administrative needs. The heating, ventilation and air conditioning systems will be upgraded, alarm and fire suppression systems installed, and hazardous materials (asbestos, lead paint, etc.) used in the original construction will be eliminated. The voice and data communications network will be replaced allowing occupants access to higher speed services.

### **Alderman Hall Classroom Building – Comprehensive Modernization**

**\$2,940,800**

One of the first three buildings constructed at UNCW Alderman Hall will be renovated to meet current construction codes. The floor plan will be updated to meet current administrative needs; heating, ventilation, and air conditioning systems will be upgraded; alarm and fire suppression systems will be installed; and hazardous materials (asbestos, lead paint, etc.) used in the original construction will be eliminated. The voice and data communications network will be replaced allowing occupants access to higher speed services.

### **Westside Hall Classroom Building – Comprehensive Modernization**

**\$2,687,300**

Westside Hall will be upgraded to meet current construction codes. Originally the campus cafeteria, this building was converted to offices for public service, student health, and student counseling. Public Service is being relocated so most of the building can be dedicated to academic and student support services. HVAC and other infrastructure systems will be upgraded, alarm and fire suppression systems will be installed, and hazardous materials (asbestos, lead paint, etc.) used in the original construction eliminated. The voice and data communications network will be replaced allowing occupants access to higher speed services.

### **Kenan Hall Classroom Building – Comprehensive Renovation**

**\$3,056,600**

Kenan Hall requires significant modernization and reconfiguration for a change in use from fine arts to the departments of Physics and Physical Oceanography, and the program in Pre-engineering. The HVAC system will be added to an existing campus chilled water loop, a

central fire alarm and sprinkler system installed, and hazardous materials abated. Several spaces will be redesigned as physics laboratories and fixed-furniture classrooms, and the building's electrical system will be renovated for increased computer technology.

## **The University of North Carolina at Wilmington (*continued*)**

### **Hinton James Hall Classroom Building – Comprehensive Modernization**

**\$1,468,000**

Hinton James Hall will be modernized to meet current building codes. Originally the campus student center, the building now houses Admissions, Registrar, Financial Aid, Summer School, Enrollment Affairs, Student Account, and Cashier offices. The HVAC system, computer, and telecommunication networks will be renovated; alarm and fire suppression systems installed; and hazardous materials (asbestos, lead paint, etc.) removed.

### **Friday Hall Laboratory Building – Comprehensive Modernization**

**\$7,693,400**

Friday Hall will be renovated to the specifications of the School of Nursing. The school will move to Friday Hall from currently inadequate space in Hoggard Hall. Renovations include replacement of the HVAC system, installation of central fire alarm and sprinkler systems, asbestos abatement, upgrading of laboratory spaces for Nursing practice, and overall reconfiguration of space for offices and classrooms for Nursing students and faculty. Some areas of the building will be rewired for enhanced computer use.

### **Kenan Auditorium – Comprehensive Modernization**

**\$3,095,300**

The Sarah Graham Kenan Auditorium serves as classroom, rehearsal, and performance space for the university and the community. It is in a state of extreme wear due to heavy use. The foyer, classroom, house, stage, and backstage areas will be renovated. The handicapped entrance, lighting and safety features will be upgraded, and asbestos removed.

### **Marine Sciences Research Center Operations Facility**

**\$2,929,600**

This building will house in Myrtle Grove the operations functions of the Center for Marine Science now located at Wrightsville Beach. All operations personnel and functions will be housed at the Myrtle Grove site. Additional faculty and administrative offices will be included in the structure, as well as a marine mammal necropsy facility, machine shop and operations equipment repair facility, and storage for all sea-going diving operations.

### **Academic Support Facilities and Computing Center**

**\$4,585,900**

This facility will provide faculty and graduate students with high-end technology network, technical support, simulation, and production capabilities.

## **The University of North Carolina at Wilmington (*continued*)**

### **Infrastructure Expansion**

**\$1,775,000**

Roads, sidewalks, the storm drainage system, water distribution system, and gas distribution system will be expanded and enhanced to accommodate projected student enrollment growth.

### **Land Acquisition**

**\$2,100,000**

Consists of \$300,000 to purchase approximately one acre of land immediately adjacent to the main campus for construction of a Visitors' Center and \$1,800,000 to purchase 49 acres adjoining the UNCW Center for Marine Science at Myrtle Grove for expansion of marine science programs.

### **Primary Electrical Distribution System Improvements**

**\$2,238,200**

Deteriorating rapidly, much of the existing electrical distribution system on the main campus consists of direct buried cable and will be replaced. The system will be expanded to accommodate the University's projected physical growth.

### **Technology Infrastructure Expansion**

**\$2,949,000**

Networking and central computing services, key segments of the campus information technology infrastructure, will be upgraded. New facilities will be connected and wired, and new routers, switches, and additional integrated networking locations will be installed. Without these resources, UNCW's commitment to "Universal Access" to the Internet cannot be met.

***Total The University of North Carolina at Wilmington \$ 108,171,000***

## **Western Carolina University**

### **Academic Facilities – Humanities and Fine Arts**

**\$26,030,700**

This project will provide classrooms, studios, galleries, and support space for more than 300 students majoring in the visual arts and a 1000-seat hall for music and theatrical performances.

### **Stillwell Lab Building – Comprehensive Renovation**

**\$15,057,500**

The Stillwell Building, which houses academic programs in the social and physical sciences, will be renovated to remedy numerous deficiencies. Laboratories in the building lack adequate ventilation, and fume hoods are minimal throughout. Many of the building's classrooms, laboratories, and offices are ill configured and lack equipment and furnishings needed for contemporary modes of instruction.

### **McKee Classroom Building – Comprehensive Renovation**

**\$5,289,700**

McKee Hall was built in 1939 to house a primary and secondary laboratory school. Its classrooms are not configured for collegiate instruction, the electrical wiring will not support today's equipment power demands, the building does not have an elevator, and its third floor does not provide required Americans with Disabilities Act access. Water intrusion makes some ground floor rooms virtually unusable. General renovation of the building will provide instructional space for History and Modern Foreign Languages and for academic advisement and student support services.

### **Bird Building – Renovation and Conversion for Student Health Center**

**\$1,836,500**

Bird, an administrative building, will be renovated and converted to house the Student Health Center. The building will be rewired with current electrical and information technology systems, air conditioning installed, and spaces reconfigured. The second floor will be renovated to meet Americans with Disabilities Act requirements.

### **Conversion of Old Student Health Center to Residential and Academic Space**

**\$1,887,100**

Inadequate to house student health services for present or future enrollment levels, this building will be converted to a small residence hall with seminar/classroom space where students with common academic interests can share living-learning experiences.

### **Breese Gymnasium – Conversion to Academic Use**

**\$1,161,300**

Breese Gym will be converted for use by curricular and extra-curricular physical education and dance programs. An antiquated steam heating system and energy-inefficient, 60-year-old windows will be

replaced. The building will be altered to meet Americans with Disabilities Act requirements, and air conditioning will be installed.

## **Western Carolina University (*continued*)**

### **Housing Facility for 300 Students**

**\$15,204,600**

This project would provide a 300-bed residence hall, the first of six (6) new facilities needed to house rapidly growing student enrollment.

### **Chiller Replacement and CFC Retrofit**

**\$1,489,600**

This is the last phase in the University's effort to replace or retrofit air conditioning chillers that presently use chlorofluorocarbon (CFC) refrigerants, which have been identified as ozone depleting chemicals. The new chillers will be twice as energy efficient.

### **Infrastructure Improvements (Steam and Electrical)**

**\$10,639,000**

This multi-faceted project will upgrade older sections of the campus steam and condensate distribution system, and improve traffic and pedestrian traffic patterns. The scope of work includes replacing overhead electrical distribution lines that are up to 40 years old with an underground distribution system, providing above ground switching gear, relocating through-streets that presently bisect the campus, constructing related parking areas, and improving pedestrian safety by constructing pedestrian corridors linking the lower and upper areas of campus

### **Killian Clinic Annex – Comprehensive Renovation**

**\$3,129,900**

A comprehensive renovation of the Killian Clinic Annex will remedy numerous deficiencies. The Annex was built to house federally funded clinical activities of mental health and developmental evaluation programs and is not suited for general academic use. Classrooms and offices in the building will be reconfigured to accommodate University instruction and student support activities. Electrical wiring will be upgraded to support current equipment power demands.

### **Killian Education and Allied Professions Building - Partial Renovation**

**\$1,546,300**

The Killian Building will be partially renovated. The electrical distribution system will be upgraded to support increased classroom use of technology and computer networking systems, teaching and research labs will be reconfigured for contemporary instruction in behavioral psychology, and the building's television production studio will be altered to meet Americans with Disabilities Act access requirements.

## **Western Carolina University (*continued*)**

### **Forsyth Classroom and Computer Labs Building – Comprehensive Renovation**

**\$7,064,000**

This project will fully renovate the academic building housing the University's College of Business. Forsyth has had no major improvements since its construction. Classrooms and seminar rooms will be reconfigured for case study, web-based, and team project instructional methods; faculty offices will be altered to accommodate student mentoring and tutorial activities; and changes will be made to satisfy Americans with Disabilities Act requirements.

### **Land Acquisition**

**\$3,093,000**

Almost all developable land within the boundaries of the WCU campus is in use. As enrollment growth calls for constructing new facilities on existing parking lots, recreation areas and roads, replacement acreage will be needed to accommodate the displaced facilities. Additional acreage also is needed to enable the University to protect itself from adjoining incompatible development.

### **Technology Infrastructure Expansion**

**\$5,018,600**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total Western Carolina University \$ 98,447,800***

## **Winston–Salem State University**

### **Computer Science Facility – Replacement and Consolidation**

**\$11,643,300**

This new facility will allow computer science academic programs to be consolidated in one location with adequate space and support systems. The programs currently are housed in three scattered spaces inadequate to support this quickly growing program, which is crucial to the University's continued student growth.

### **Physical and Life Sciences Building – Replacement of Hill Hall**

**\$12,109,500**

This building will replace Hill Hall, which would be more expensive to renovate for science instruction. The facility will include new classrooms, laboratories, and offices for the departments of Physical Sciences and Life Sciences.

### **Anderson Center – Comprehensive Renovation and Change of Use for Early Childhood/Gerontology Programs**

**\$6,917,900**

The project includes renovations to building segments not previously renovated and a 7,000- square-foot addition for the Early Childhood program. In addition, the scope of work includes modernization of mechanical, electrical and plumbing building systems; life safety systems; asbestos abatement; accessibility upgrades; instructional support equipment; and stream stabilization of a segment of Salem Creek.

### **Health Center Building and Old Nursing Building – Comprehensive Renovation for Student Health**

**\$2,265,900**

These buildings, which are structurally connected, will be modernized and converted for other use. The upper floors of both buildings will be converted to space for the University's Health Center. The lower floors will be modernized to house the Department of Health and Physical Education.

### **Carolina Hall – Renovation and Conversion from Computer Center to Classrooms**

**\$4,270,700**

Constructed in 1925, Carolina Hall will be renovated and converted to use by Mathematics and First Year Experience programs, and for Academic Support Services. The floor and windows will be replaced, lighting improved, and air conditioning installed.

### **Replace Underground Steam and Hot Water Piping**

**\$1,249,500**

Critical sections of underground steam and hot water distribution systems that have deteriorated beyond feasible repair will be replaced.

## **Winston–Salem State University (*continued*)**

### **Chilled Water Loop System**

**\$435,000**

A central chiller plant and a chilled water loop will be installed to connect several buildings for air conditioning efficiency. Current stand-alone chillers have exceeded their life expectancy and use a type of freon no longer permitted by code.

### **Infrastructure Improvements**

**\$1,708,300**

Colson Hall and the Alumnae Building will be demolished and service utilities removed to prepare the site for other use.

### **Technology Infrastructure Expansion**

**\$1,676,100**

This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

***Total Winston-Salem State University \$ 42,276,200***

## **UNC Center for Public Television**

**\$65,890,600**

**Digital Conversion**

**\$64,995,000**

**Mobile Satellite Uplink**

**\$ 895,600**

This project will fund UNC-TV's federally mandated conversion to digital television (DTV). UNC-TV must convert 11 transmitters and its studio equipment to DTV by May 2003 by order of the Federal Communications Commission. Failure to comply with this order will result in loss of the license to broadcast. With DTV UNC-TV will be able to offer four or more channels of educational and informational programming, as well as high-definition pictures with startling clarity and six-channel CD-quality sound. Digital technology will also permit UNC-TV to provide datacasting services, which can combine standard video content with Internet-style text and graphics ideal for documentary and educational programming. The mobile satellite uplink will allow UNC-TV to bring coverage of many more significant events from remote locations throughout North Carolina to its statewide audience. Together, these improvements will allow UNC-TV to bring greatly enhanced value to every citizen of the state.

***Total UNC Center for Public Television \$ 65,890,600***

## **North Carolina School of Science and Mathematics**

### **Comprehensive Renovation of Bryan Center**

**\$3,172,600**

Essentially unchanged since 1954, the Bryan Center will be modernized to meet current Physics instruction requirements and to improve student residence and student life office spaces. The building will be renovated to comply with present building codes; mechanical, electrical, and plumbing systems will be replaced; and asbestos removed. Physics classrooms, laboratories, student living areas, and faculty offices will be upgraded.

### **Comprehensive Renovation of Royall Outreach Center**

**\$1,990,400**

This 1917 building will be renovated to provide housing for residential program students, and students and teachers participating in NCSSM's distance learning programs. Mechanical, electrical, and plumbing systems will be replaced and the building altered to meet current code requirements.

***Total North Carolina School of Science and Mathematics \$ 5,163,000***

## **North Carolina Arboretum**

### **Improvements to Facilities and Infrastructure to provide Environmental Education and Economic Development Opportunities**

**\$9,331,700**

Improvements to the North Carolina Arboretum at Asheville will include a greenhouse exhibition center, school bus parking lot, utility improvements, an operations support facility, and an entrance gate.

The greenhouse center will emphasize educational exhibits and be adaptable for rapid configuration into workshops or classrooms. It will include a media center for video conferencing linking directly to K-12 facilities across the state and the UNC network.

The school bus parking area will permit pull-through parking, accommodating approximately 16 school buses or touring coaches. An overflow parking area will accommodate up to 14 school buses or 75 other vehicles. A walkway will lead to the Visitor Education Center and other educational demonstrations.

The operations support facility will include industrial shops, material and equipment storage for exhibition and grounds management operations, and dry storage for education and exhibition material.

Gating and gatehouses will be constructed at the Arboretum's two primary entrances to provide a point-of-beginning for visitor orientation, school bus direction, crowd control, and enhanced security for valuable outdoor exhibits located throughout the 426-acre campus. Electric lighting, a telephone, and potable water will be provided along the main entrance road, as well as understory plantings for ecological demonstration exhibits, an irrigation system, and hardscape infrastructure.