

**2022 FACILITIES INVENTORY
AND UTILIZATION STUDY**
for
The University of North Carolina System
Fifty-Sixth Edition



Harold Martin Sr. Engineering Research & Innovation Complex

North Carolina Agricultural and Technical State University

April 2024

Harold Martin Sr. Engineering Research & Innovation Complex

North Carolina Agricultural and Technical State University

(Cover Page)

In 2016, North Carolina voters approved the \$2 billion Connect NC bond initiative with a vision for state building projects that would change the face and future of the North Carolina's public spaces. The resulting facilities have enriched and transformed STEM education across the state, offering new generations of North Carolinians career opportunities in the next frontier of science and technology.

One such project was a \$90 million engineering research complex at North Carolina Agricultural and Technical State University, a four-story facility that was completed on time and under budget. It was named the Harold L. Martin Sr. Engineering Research and Innovation Complex in honor of A&T's extraordinary chancellor, who will retire after the end of the 2023-24 academic year, concluding 15 years of service in the chief executive role at the university.

The building name not only recognizes Chancellor Martin's years of dedicated leadership as chancellor of A&T, but also his education, his academic work, and his service in administration. Martin earned both bachelor's and master's degrees in electrical engineering at A&T before completing a doctorate at Virginia Tech. He returned to A&T as an engineering faculty member and rose to department chair, dean of the college, and vice chancellor for academic affairs.

After a combined total of nine years as chancellor at Winston-Salem State University and senior vice president for academic affairs of the UNC System, he returned to A&T in 2009 as its first alumnus to serve as chancellor. Under his leadership, North Carolina A&T has grown by nearly 31% to become America's largest historically Black university, a position it has now held for 10 consecutive years. Under Martin's prior service as A&T's dean of Engineering, the university became America's single largest originating campus of Black engineers overall and Black women engineers specifically — positions it continues to hold today.

The nearly 2,400 doctoral, master's, and bachelor's students enrolled in the college will enter high-demand fields after graduation, working in Silicon Valley, Wall Street, and right here in North Carolina's Research Triangle. These students benefit immensely from the Martin Complex's 130,000 square feet of state-of-the-art research and instructional facilities. The building layout promotes interaction and innovation among faculty, students, and staff through small-group collaboration areas, core laboratories, shared facilities, advanced robotics, a student-designed makerspace, and flexible classrooms.

In particular, the Martin Complex's two high-bay drone testing rooms allow users to conduct experiments and tests that are safer, easier to control, and more advantageous in an indoor environment. These high bay spaces have helped to triple the number of such workspaces on campus and are expected to accelerate work on many exciting projects, including a NASA-funded initiative to alleviate traffic congestion by deploying air passenger taxis as a supplemental means of transportation.

Altogether, the Martin Complex represents a new era for NC A&T, signaling North Carolina's commitment to investing in and developing the next generation of STEM professionals. It also furthers A&T's nationally recognized leadership in STEM education and celebrates the legacy of one of its most impactful leaders.

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University of North Carolina System

Space Utilization Analysis

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Participating Institutions

UNIVERSITY OF NORTH CAROLINA SYSTEM

By Carnegie Classification <https://carnegieclassifications.iu.edu/>

Doctoral Universities: Very High Research Activity

	<u>Chancellor</u>	<u>Project Officer</u>
NC State University	Randy Woodson	Sally Rau, Facilities, Information Manager
UNC-Chapel Hill	Lee H. Roberts, Interim	Suzanne Canipe, Space Information Analyst

Doctoral Universities: High Research Activity

East Carolina University	Philip Rogers	Kim Higdon, Space Analyst
N.C. A & T State University	Harold L. Martin, Sr.	Staci A. Manter, Interim Director
UNC Charlotte	Sharon L. Gaber	Steve Coppola, Provost for Inst. Research
UNC Greensboro	Franklin D. Gilliam, Jr.	Steve Morley, Dir. Space Management
UNC Wilmington	Aswani Volety	Deloris Hansley, Space Data & Reporting Analyst

Doctoral/Professional Universities

Western Carolina University	Kelli R. Brown	Trista Middleton, Research Specialist
Winston-Salem State University	Anthony Graham, Interim	Timothy F. McMullen, AVC Facilities Mgmt.

Master's (Comprehensive) Universities and Colleges

Appalachian State University	Sheri N. Everts	Heather Langdon, Executive Director
Fayetteville State University	Darrell T. Allison	Miller, Harold, Director of Planning & Const.
North Carolina Central University	Johnson O. Akinleye	Tim Williams, Design and Construction
UNC Pembroke	Robin G. Cummings	Frank Britt, Project Manager

Baccalaureate Colleges: Arts & Sciences Focus

UNC Asheville	Kimberly van Noort	Keith Krumpke, Senior Admin-Space Planner
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Baccalaureate Colleges: Diverse Fields

Elizabeth City State University	Karrie Dixon	Dennis Leary, Director of Facilities Management
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Schools of Art, Music, and Design

UNC School of the Arts Research	Brian Cole	Elizabeth Davis, Dir. Acad. Planning & Inst.
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Teaching Hospitals

	<u>Executive Director</u>	<u>Project Officer</u>
UNC Hospitals at Chapel Hill	Gary L. Park	Laura McClamb, Asset Manager

Foreword

This study, the 56th in the annual series of facilities inventory and utilization studies, reflects the campus-reported status of space in University of North Carolina System institutions of higher education at the end of the drop-add period of the 2022 fall term. It also gives indications of the uses being made of the space and provides, where feasible, norms and historical information for the past five years to enable institutions to make their own assessments of their facilities.

The purposes of this study include providing facilities data to state authorities, making data on University of North Carolina System institution facilities available to other commissions for comparative purposes, and providing participating institutions with data, which may be helpful in the management of their facilities. This report presents selected summary information from the assembled data.

The participating institutions are listed in the preceding section and throughout the study according to current Carnegie Classification. In 2021, Western Carolina University and Winston-Salem State University were re-classified from Master's to Doctoral/Professional. The project officers of the participating institutions deserve special recognition for the tremendous job they have done in providing the basic data for this study.

The 2022 Facilities Inventory and Utilization Study is being published in its entirety, online, in a format that can be printed front and back. The 2022 study can be found at <https://www.northcarolina.edu/impact/stats-data-reports/facilities-utilization/>

Katherine Lynn

Vice President for Finance and Capital Planning

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Introduction

The primary purpose of the Facilities Inventory and Utilization Study is to provide higher education administrators within the University of North Carolina System with a detailed statistical profile of the facilities of their own campuses and of the other universities in the system as a tool for space management and planning. It is published annually by the division of Finance and Administration.

Institutions Included

The study provides self-reported data for all the 16 public senior institutions, which comprise the University of North Carolina System, as well as UNC Hospitals at Chapel Hill, a part of the University of North Carolina System. The institutions are listed by Carnegie Classification in each table, and by type on page v along with the name of the chancellor and the project officer for each school. An alphabetical listing of these institutions can be found on page 107.

Due to the unique facilities requirements of health affairs complexes and medical schools, data for the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill are listed separately from their parent campuses. For similar reasons, the Facilities Inventory and Utilization Study separately lists the data for North Carolina State University's College of Veterinary Medicine.

Types of Data Collected

The study is divided into sections that reflect the three broad categories of facilities data which are reported: room characteristics, building characteristics, and the utilization of instructional space. The section dealing with room characteristics statistically describes campus space by its uses and the programs to which it is assigned. It also provides data relating the sizes and capacities of classrooms and class laboratories. The building characteristics section focuses on such data elements as building age, condition, and replacement cost. The section on the utilization of instructional space provides ratios, percentages, and indices, which relate the amount of instructional activity at an institution to various categories of campus space.

This study is designed to provide only a self-reported "snapshot" of institutional facilities at a particular point in time. Facilities data reflect all buildings that were completed as of October 1 of the year of the study. Utilization data reflect only the courses which were under way as of the drop-add period of the fall term. The data do not consider any instructional activity that occurred during the spring semester.

Procedures Used in Collecting Data

Finance and Administration maintains an annually updated, self-reported computer-based facilities inventory of each institution included in the study comprised of a Room Characteristic Report and a Building Characteristic Report. The Room Characteristic Report lists every room in each building and provides information about its size and capacity. Each room is also coded to reflect its use and the institutional programs that it supports. The Building Characteristic Report provides detailed information about each building on an institution's campus.

Each fall, every institution submits a file containing changes in its facilities inventory occurring since the previous fall via a web-based system named DAVE (Data Additions Validations Edits). This reporting system is based on the physical inventory of each campus that has been made interactive on the web.

Space utilization data are based on the annual submission by each institution of a list of its fall term courses indicating when and where the class is held, and the number of students enrolled. Each institution's course data are compared programmatically to its updated facilities inventory to generate the Instructional Space Utilization Report. This report indicates how effectively an institution uses its facilities and measures its need for classroom and laboratory space.

Both the facilities inventory updates and the utilization data are reviewed carefully, including using extensive computer edits as a means of ensuring accuracy and consistency. When problems are discovered, the institutions are contacted for additional information or corrections. The ultimate responsibility for the accuracy of the data, of course, lies with the individual institutions as they originate the data on which this study is based.

Limitations and Special Situations

This study contains useful information concerning the facilities of institutions in the UNC system and their utilization for instructional purposes. It is important, however, to note two limitations in the data provided.

Although campus facilities would generally be viewed as including such assets as parking lots, tennis courts, and radio control towers, this study is limited to data relating to buildings. For the purposes of the study, a building is defined as any roofed structure. This definition includes trailers and other mobile units.

Due to technical problems in collecting course information from medical schools and related programs, utilization data are not supplied by the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill, UNC Hospitals at Chapel Hill, or the North Carolina State University College of Veterinary Medicine. Therefore, they are excluded from most of the utilization tables. Separate enrollment figures are provided for these divisions, however, and Table 2 includes utilization data for the Veterinary College and the two Divisions of Health Affairs (although these data are excluded from all totals).

Special situations exist at several institutions that can affect both the reporting and summarization of utilization data. These situations are described below to enable reviewers to make more accurate and fair comparisons among different institutions.

University of North Carolina School of the Arts instructs secondary school students, as well as students at the college level. To reflect this fact, high school courses conducted at the campus were also considered in calculating student clock hours. The high school students were not included in the full-time equivalent enrollment figures for this institution. In Table 2, this has the effect of significantly underestimating the total utilization of academic space for the UNC School of the Arts. It should also be noted that the programs conducted at the UNC School of the Arts inherently require significantly more space per student than at other constituent institutions of the University of North Carolina System. Comparisons of this institution's utilization with that of any other college or university would, therefore, be misleading.

NC State University and North Carolina A&T State University similarly show an above-average square footage of academic facilities per FTE student (Table 2) and understated utilization of academic space in other tables. This is due to the extensive instruction and research programs in Agriculture and Engineering, which require significantly more academic space per FTE student than is typical of other general academic programs.

Executive Summary

The primary purpose of the annual Facilities Inventory and Utilization Study (study) is to offer higher education administrators within the University of North Carolina System a detailed statistical profile of the facilities of their own campuses and of the other universities in the system as a tool for space management and planning. The study evaluates self-reported data for UNC institutions with the data carefully reviewed, including extensive use of computer edits as a means of ensuring accuracy and consistency. The ultimate responsibility for the precision of the data, of course, lies with the individual institutions as the source on which this study is based. While each institution has a vested interest in its own space picture, a systemwide overview of key elements of the study provides useful context on the facilities in the UNC System.

In 2022, the UNC System had approximately 92.4 million gross square feet of space and 2,983 buildings including all sixteen campuses and excluding UNC Hospitals.

This study typically looks at the UNC System facilities with a focus on three key areas: **utilization of instructional space, room space characteristics, and building characteristics.**

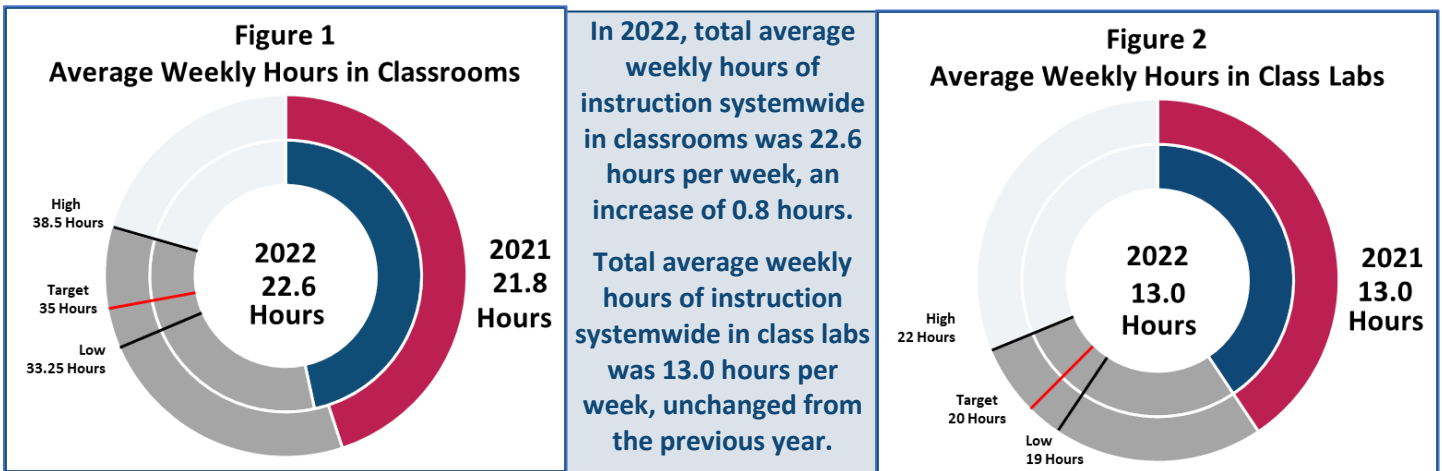
Utilization of Instructional Space

The study looks at several areas to gauge the capacity and utilization of space. This includes two primary measures: the weekly room utilization and the seat fill. The weekly room utilization indicates how often the room is utilized for scheduled classes. The UNC System has set a utilization standard target that each available classroom be scheduled for 35 hours of class instruction per week based on day and evening scheduling, Monday – Friday between 5 a.m. and 11 p.m. **Daytime utilization is based on all class times between and including 5:00 a.m. and 4:59 p.m.; nighttime utilization is based on all other classes.** The average weekly room hours of instruction is calculated by dividing the total room hours of instruction by the total number of rooms. This data is taken from Tables 3 and 4 found on pages 10 and 12 of the study.

The UNC System standard for classrooms is 35 hours per week of scheduled class instruction.

The UNC System standard for class labs is 20 hours per week of scheduled class instruction.

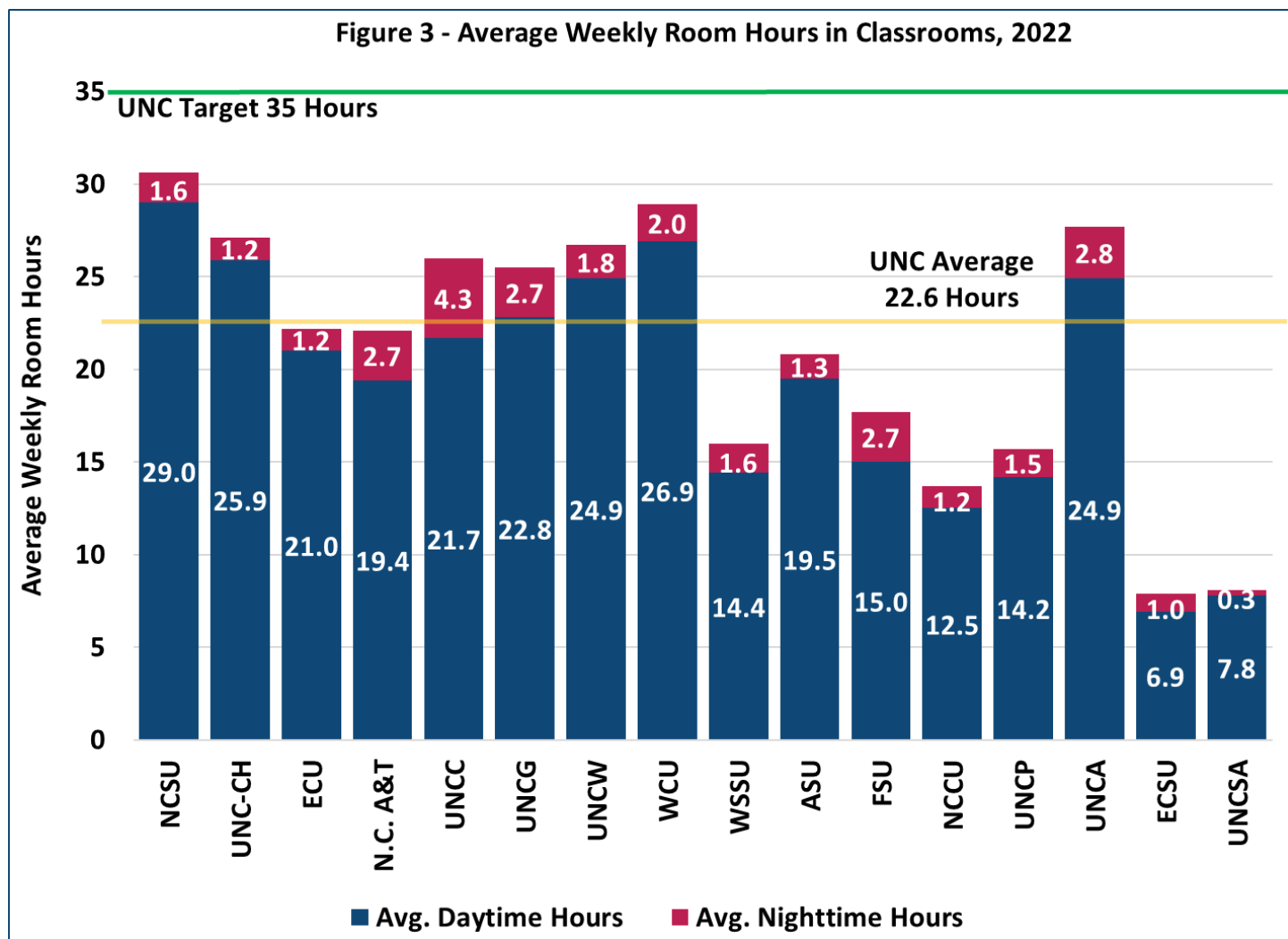
Figures 1 and 2 show the average weekly hours of instruction for classrooms and class labs in 2022.



Source: Table 3

Source: Table 4

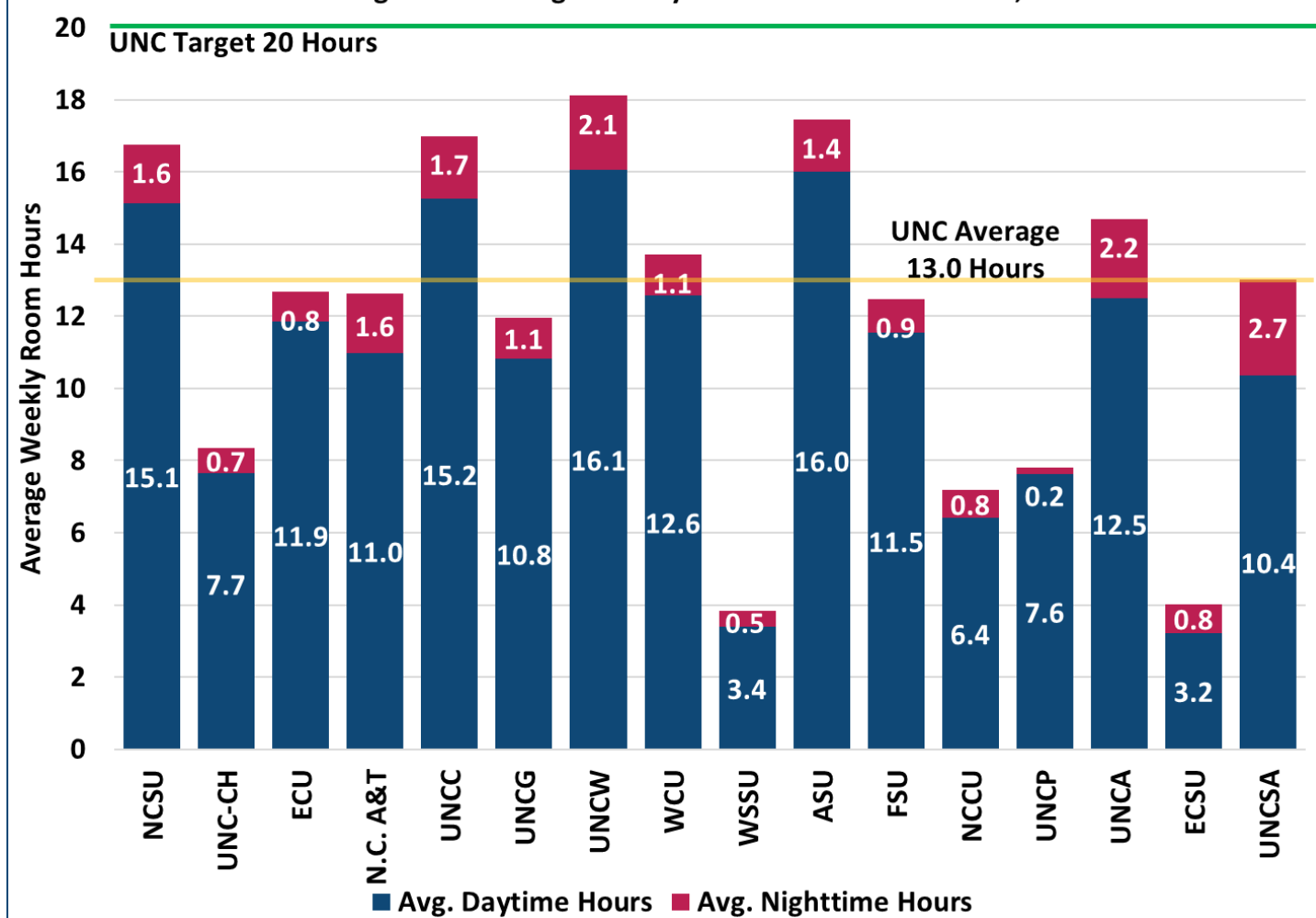
Figure 3 includes a breakdown of average weekly hours for classrooms by institution, and includes additional details on daytime and nighttime room hours.



Source: Table 3

Figure 4, on the next page, includes a breakdown of average weekly hours for class labs by institution and includes additional details on daytime and nighttime room hours.

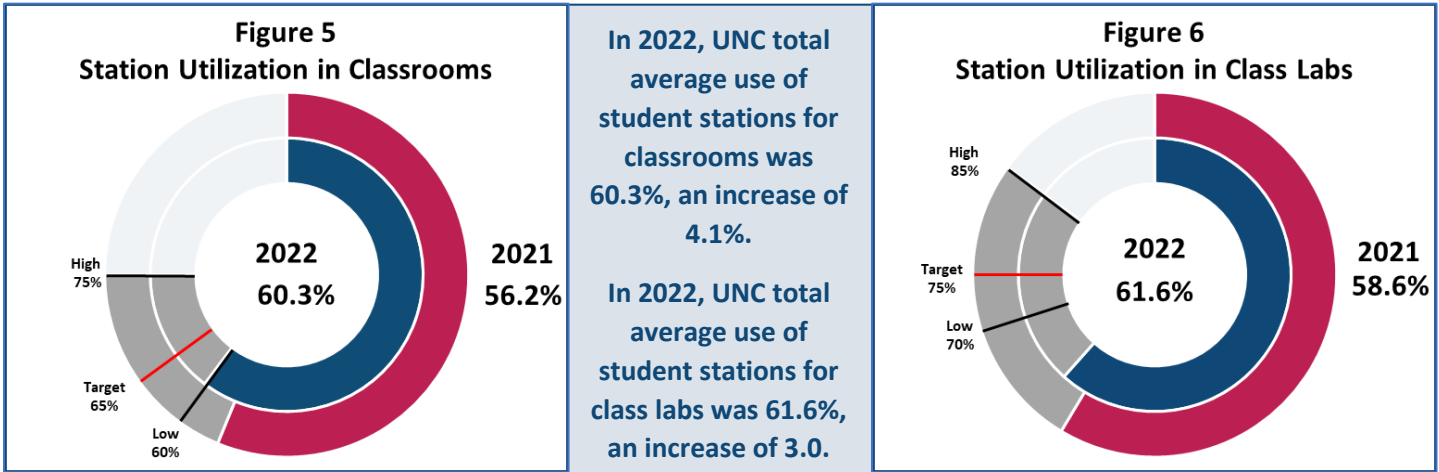
Figure 4 - Average Weekly Room Hours in Class Labs, 2022



Source: Table 4

Average weekly use of student stations is used to indicate the average number of hours each week a student station is used by room. **A student station is defined as a seat in the room.** Average weekly use of student stations is calculated by dividing the total number of student clock hours generated in the room by the total number of student stations in the room. The UNC System standard target for average weekly use of student stations for classrooms is 65%. The UNC System standard for class laboratories is 75%. For additional information on Student Clock Hours, see page 4 of the study.

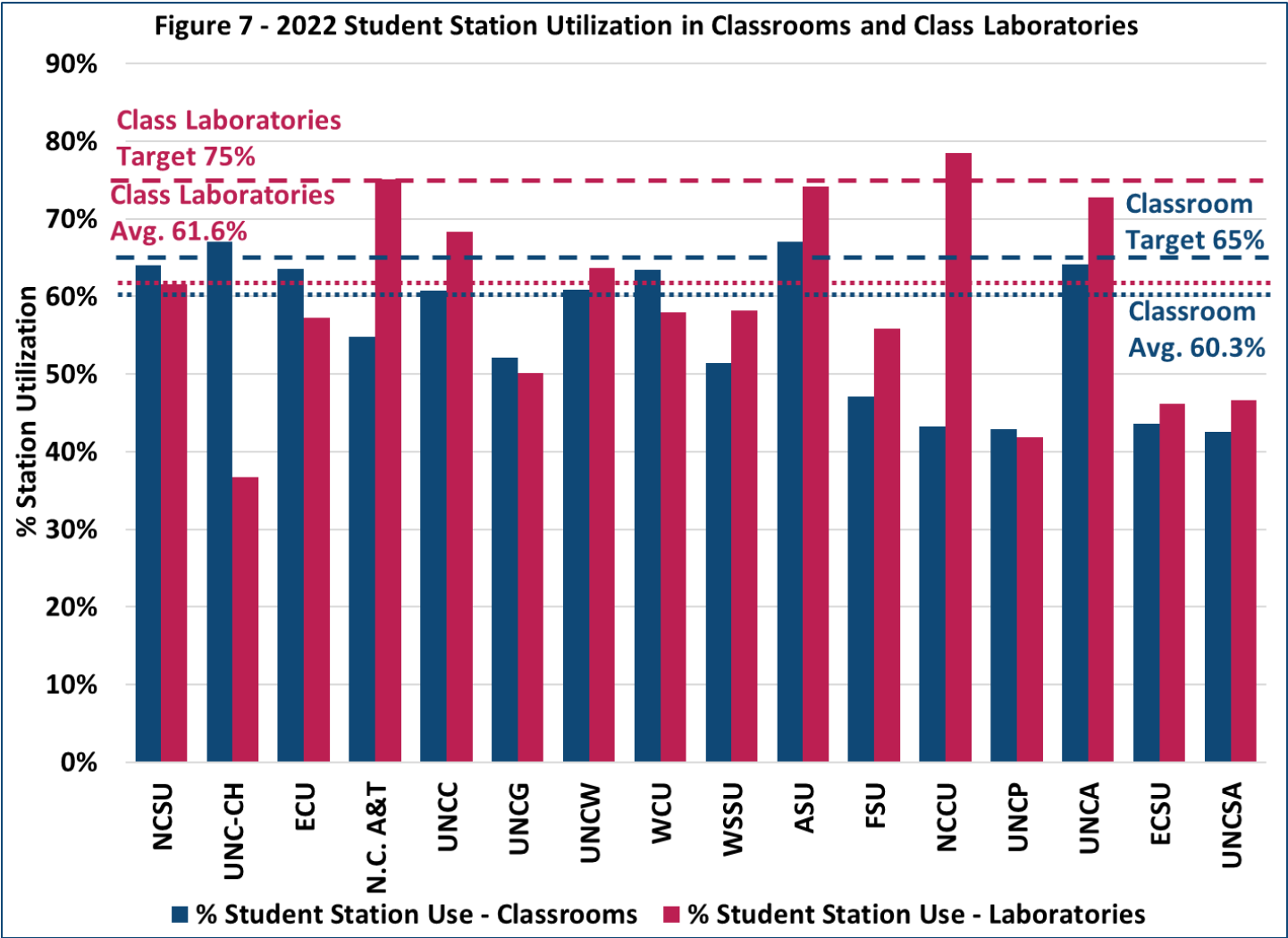
Figures 5 and 6, on the following page, indicate the average student station utilization systemwide for classrooms and class labs. In 2022, the average weekly use of student stations in classrooms was 60.3% and for class labs was 61.6%. This indicates a slight decrease from 2018 of -3.6% for classrooms and -4.0% for class labs.



Source: Table 7

Source: Table 7

Figure 7 displays use of student stations data by institution for classrooms and class labs. Further details on the utilization of instructional space are available on pages 3-35 of the study.



Source: Table 7

Room Space Characteristics

The study includes information on the assignment and use of each room on every campus. Of the 92.4 million gross square feet in the UNC System, excluding UNC Hospitals, 50.4 million square feet is considered assignable space. Assignable space is defined as space that is assigned to, or available for assignment to, an occupant or specific use. Assignable space excludes building service areas, circulation, mechanical, and structural areas. From 2018 to 2022, the assignable space has increased by 1,564,942 SF or 3.2%.

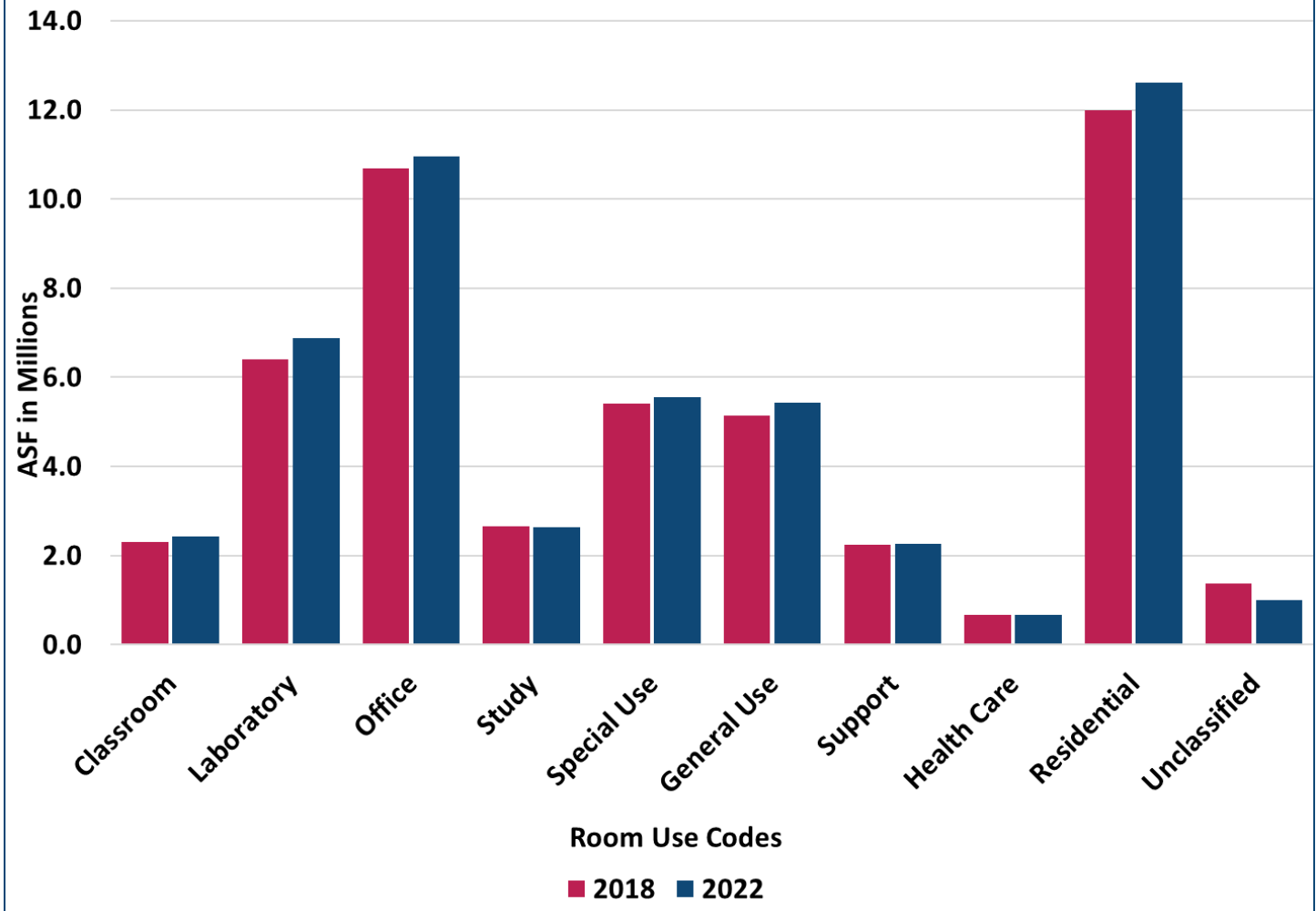
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	12,406,120	24.60%	23.95%	0.65%
Research	5,995,641	11.89%	11.81%	0.08%
Public Service	1,758,286	3.49%	3.48%	0.01%
Student Service	20,712,246	41.07%	40.46%	0.61%
Other	9,558,187	18.95%	20.31%	-1.35%

Assignable space is categorized by program use category, utilizing the Program Classification Structure developed by the National Center for Higher Education Management System. The classification system includes 10 program areas, but the majority of space falls into four program areas: instruction, research, student services, and public service. These four program areas account for nearly 80% of all the assignable space. Instruction and research saw moderate increases in assignable square footage over the period: Instruction, 703,380 SF or 6.0%; Research, 223,585 or 3.9%. Public service assignable square footage, which includes activities established to make available to the public the various resources and capabilities of the institution for the specific purpose of responding to a community need or solving a community problem, increased 59,056 SF or 3.5%. The assignable square footage for student services, which includes areas that support students' physical, emotional, and intellectual development in facilities such as student centers and wellness facilities outside of formal, scheduled instruction, increased 942,944 SF, or 4.8% from 2018. Assignable square footage for independent operations, which includes institutional activities that are owned or controlled by the institution as investments, and which are financed as part of the institution's current operations, increased 114,458 SF, or 24.7%.

Every room on every campus is also assigned a Room Use Code as defined by the Higher Education Facilities Inventory and Utilization Manual (7th edition). A detailed list of room use codes is on pages 61-62. Figure 8 shows the classification of assignable space and five year change by room use code.

The single largest category of assignable space is for residential facilities, with 12.6M SF, or 25% of all space, assigned to this room use code. This represents an increase of 609,253 SF, or 5.1%, since 2018. Office space is the second largest room use category at 10.7M SF, or 22% of all assignable space. Office space has increased by 283,216 SF, or 2.7% since 2018. Together, these two categories account for nearly 50% of the assignable space. All other areas have seen negligible increase in assignable space and proportionally remain the same. For additional details on specific program and subprogram uses and specific details for each campus, see pages 38-66 and 90-106 in the study.

Figure 8 - Assignable Square Feet by Room Use Code, 2018 and 2022









Source: Table 15

Building Characteristics

Excluding UNC Hospitals, the UNC System has 92.4 million gross square feet of space comprised of 2,983 buildings and a total estimated replacement value of more than \$39.5B. The building characteristics primarily focus on the physical attributes of the building including ownership, building use, fund type, age, and building condition. The chart below shows the general characteristics of all buildings in the UNC System.

UNC System Building Characteristics	
2,983 Total Buildings	
1,911 Appropriated	2,495 Owned
1,072 Non-Appropriated	130 Leased
	358 Other Agreement
2,983 Total	2,983 Total

One important building characteristic is building condition. This indicates the extent to which existing facilities are in sound operating order, functioning as originally intended. Building condition categories are listed in the chart below.

 Condition Code 1 - Satisfactory - Suitable for continued use with normal maintenance	 Condition Code 4 - Remodeling C - More than 50% of the estimated replacement cost of the building
 Condition Code 2 - Remodeling A - Less than 25% of the estimated replacement cost of the building	 Condition Code 5 - Demolition - Identified for demolition, typically because they are unsafe or unsound
 Condition Code 3 - Remodeling B - Between 25% and 50% of the estimated replacement cost of the building	 Condition Code 6 - Termination - No longer in use for reasons other than condition

Buildings which are in Condition 3 or 4 are generally older and require major renovation to repair or replace building systems that are reaching end-of-life or are obsolete. These condition categories do not incorporate costs associated with modifying facilities to meet current program needs which change over time. Funding for repairs and renovations permits the useful life of these facilities to be extended and preserves the value of significant assets.

Condition 5 designates facilities that have been identified for demolition, typically because they are unsafe or unsound, while Condition 6 indicates facilities that are no longer in use for reasons other than condition.

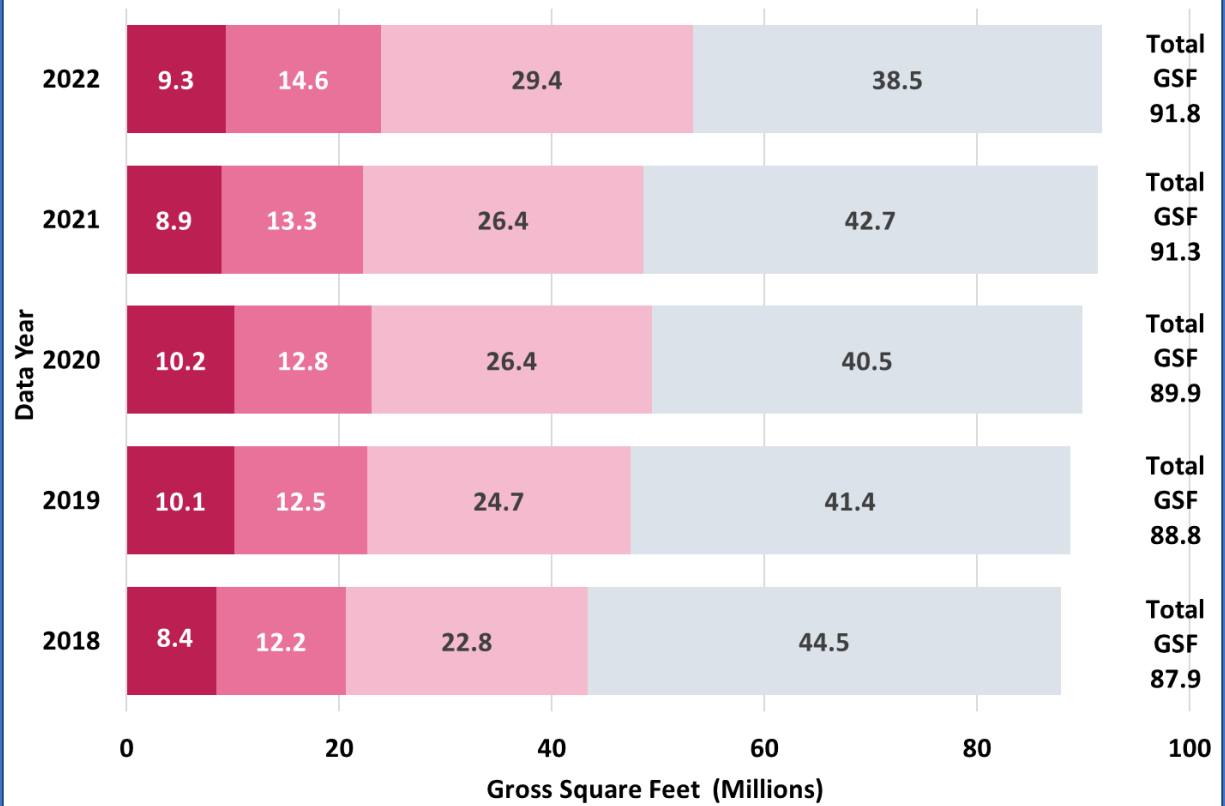
On the next page, Figure 9 illustrates the GSF and condition type from 2018 to 2022. The GSF in Conditions 3 and 4 has increased by 2,408,723 and 891,418, or 19.7% and 10.6% respectively since 2018, accounting for more than 25% of the 2022 GSF. Deferred maintenance will continue to increase exponentially if deteriorating building conditions are not addressed in a timely manner. **Building Condition Codes 5 (Demolition) and 6 (Termination) are excluded from the figures.**

Figure 10 illustrates the GSF by funding type. While state funding can be allocated to address repairs and renovations in appropriated buildings, other sources of funding, including donations, trust funds, or self-liquidating debt, must be identified for non-appropriated buildings. Adequate capital funding to address chronic deferred maintenance continues to be the primary challenge for all campuses.

Another primary building characteristic is the age of buildings. As buildings age, the building systems wear out, reach the end of their useful life, or become harder to repair and maintain due to obsolescence. Failure to plan for timely replacement of systems often leads to building system failures and costly emergency repairs.

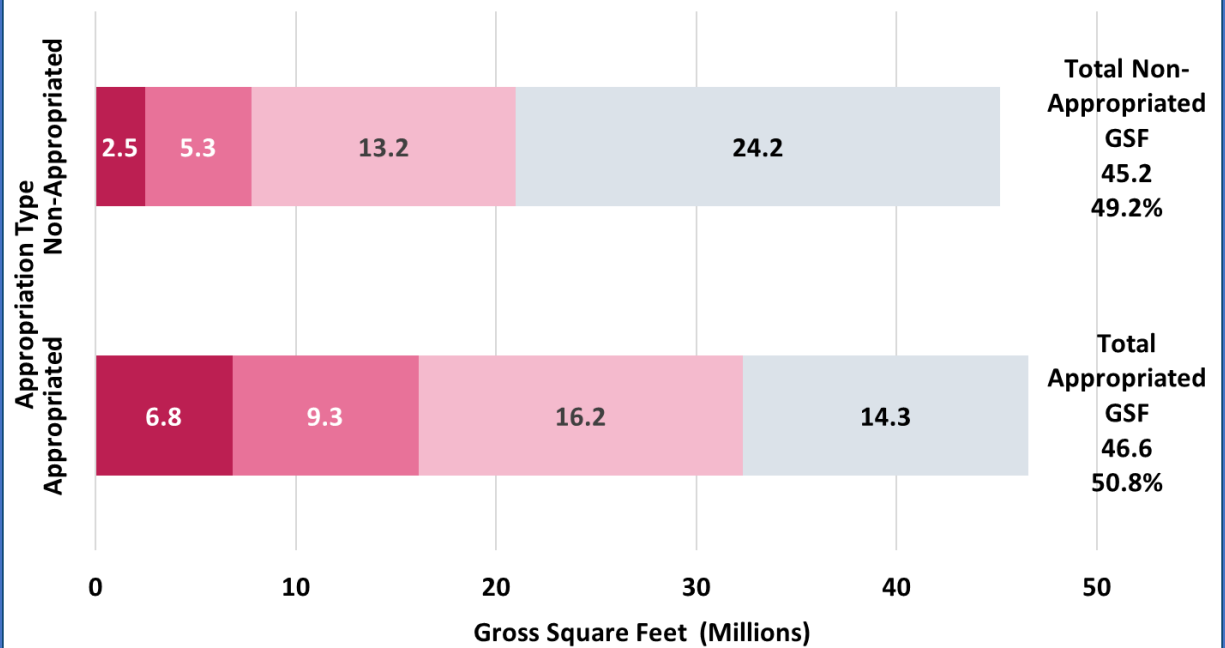
Further details regarding building characteristics, including a breakdown by campus, are on pages 70-87 in the study.

Figure 9 - Total Gross Square Feet by Condition Type (in Millions), 2018-2022



Source: Table 22

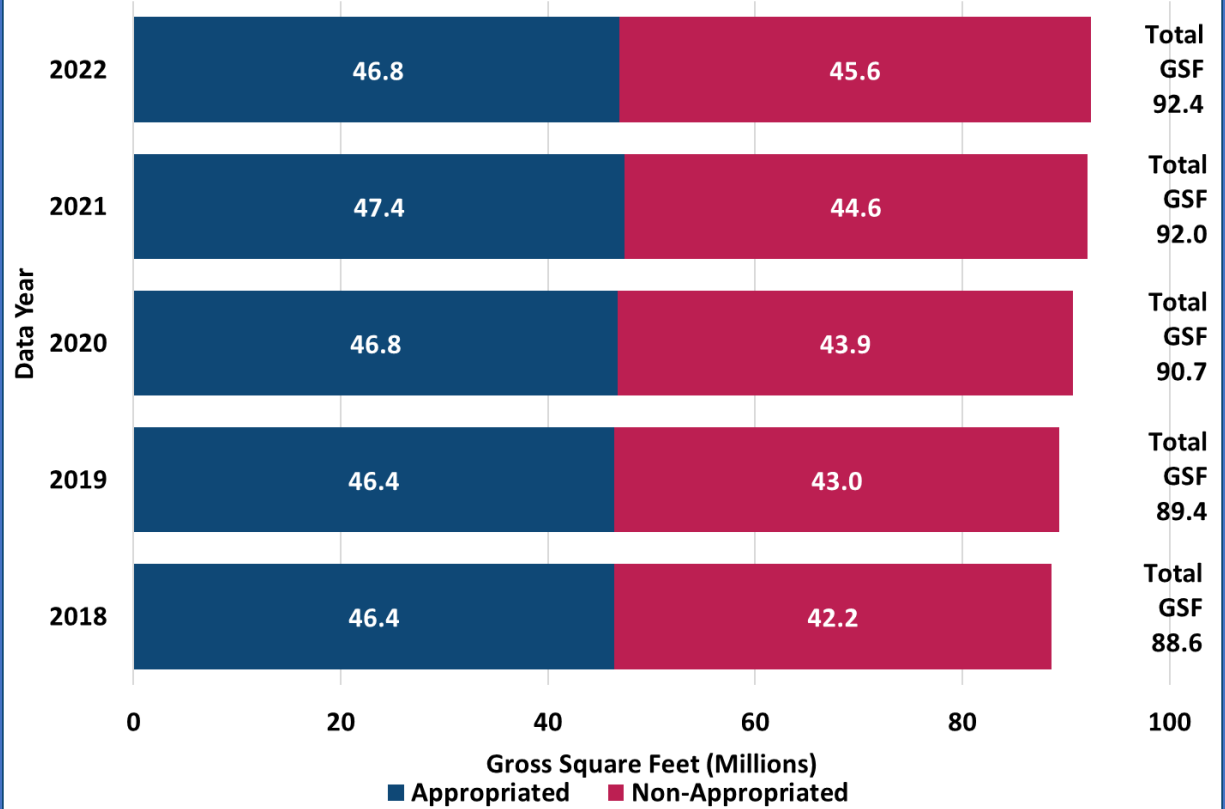
Figure 10 - Total and % Total Gross Square Feet by Condition* and Appropriation Type (in Millions), 2022



*Excludes condition codes 5 - Demolition, and 6 - Termination.

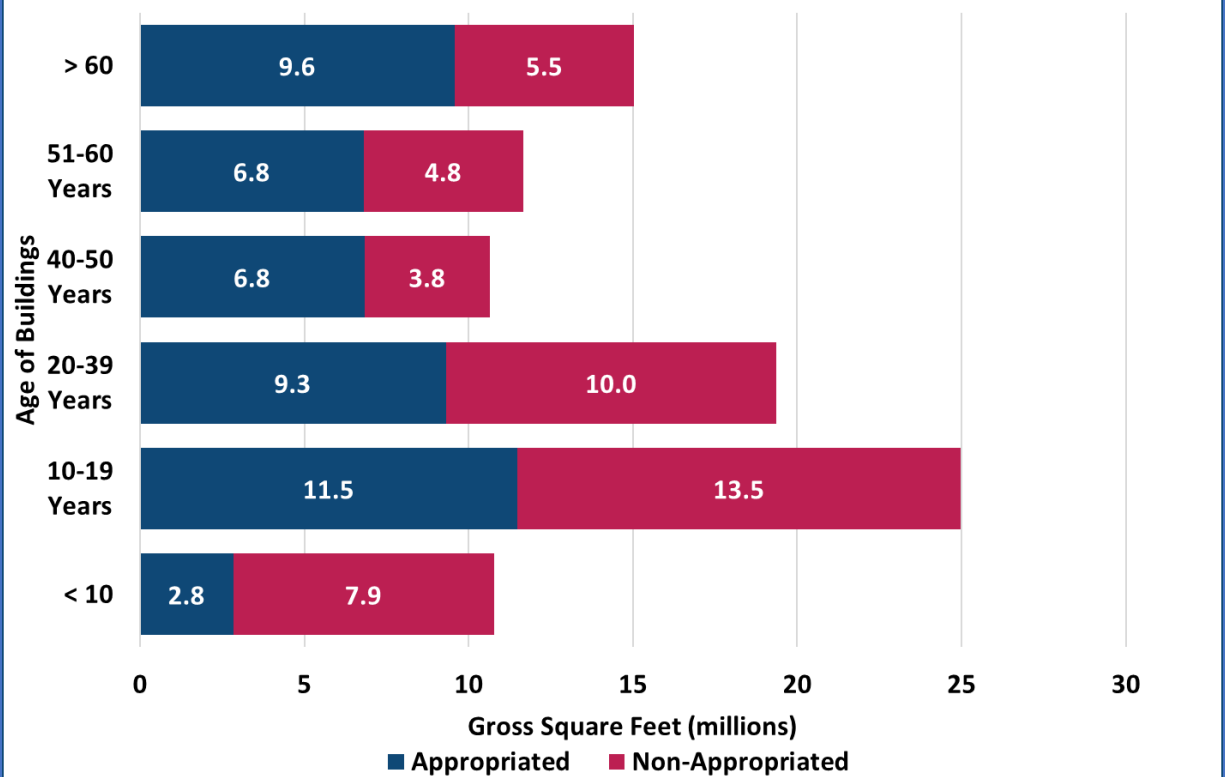
Source: Table 22 (GSF Only)

Figure 11 - Gross Square Feet by Appropriation Type 2018-2022



Source: Table 22 (GSF Only)

Figure 12 - 2022 Age of Buildings by Appropriation Type, GSF (in Millions)



Source: Table 22 (GSF Only)



Life Sciences and Biotechnology Building

East Carolina University

The Life Sciences and Biotechnology Building, constructed with Connect NC bond funding, opened its doors in 2021, ushering in a new era of STEM education and research at East Carolina University.

The four-story, 141,500-square-foot research facility houses modern lab spaces as well as meeting and classroom space. It's home to the ECU's Department of Biology, which reaches 17,000 students a year, but also serves students in biotechnology, biochemical engineering, biophysics, environmental engineering, biofuels, plant biology, imaging and sensor development, and environmental biology.

It is the headquarters of the Eastern Region Pharma Center, which is working with community colleges and pharmaceutical companies to promote workforce development through a \$1.9 million grant from the Golden LEAF Foundation.

Besides its wide-ranging instructional and research spaces, the building is a gateway to campus in the heart of Greenville, its top-floor balcony offering spectacular views. It's the first to open on ECU's Research and Innovation Campus and links the Intersect East project that spans 10th Street. Both initiatives aim to foster public-private partnerships throughout eastern North Carolina and beyond.

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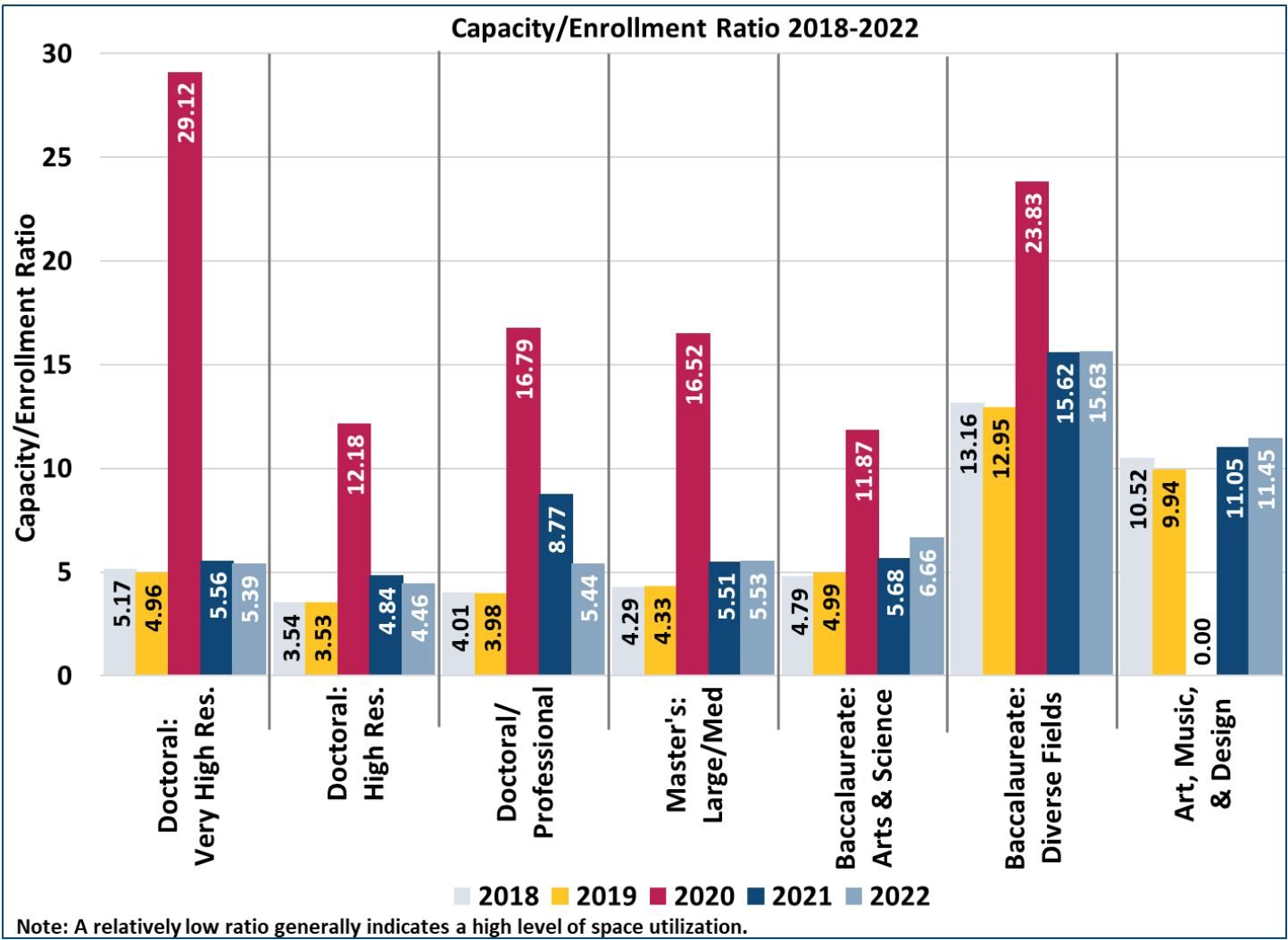
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Table 1: Capacity/Enrollment Ratio

The capacity/enrollment ratio, often referred to as the C/E ratio, is the amount of instructional and library space on campus divided by the total fall term student clock hours of that institution. The C/E ratio relates the amount of space directly used in an institution's instructional programs to the instructional activity of the campus. It is one of the most used indices of instructional utilization of institutional facilities.

CAPACITY/ENROLLMENT RATIO = $\frac{\text{INSTRUCTIONAL \& LIBRARY SPACE}}{\text{TOTAL WEEKLY STUDENT CLOCK HOURS}}$



In analyzing and comparing the capacity/enrollment ratios it should be kept in mind that a relatively low ratio generally indicates a high level of space utilization. It should also be noted, however, that such factors as the level of an institution and the kind of instructional programs that it offers will affect the amount of space required and, therefore, the C/E ratio.

Instructional and Library Space

Instructional and library space is defined in terms of program codes (pages 39-40, 43-44, 47, 49, and 53) and room use codes (pages 61-62). It is the sum of the areas of all rooms that carry both a program designation of 11-18 (Instruction), 41 (Library Services), or 01 (Unassigned, Capable of Use), and one of the room use codes listed below, with the exception that office space is omitted from program 01.

Room Use Codes	
110 Classroom	410 Study Room
115 Classroom Service	420 Stack
	430 Open-Stack Study Room
210 Class Laboratory	440 Processing Room
215 Class Laboratory Service	455 Study Service
220 Open Laboratory	510 Armory
225 Open Lab Service	515 Armory Service
310 Office	520 Athletic or Physical Ed.
315 Office Service	525 Athletic or Physical Ed. Svc.

Student Clock Hours

Student clock hours is a measurement of the total weekly hours of scheduled instruction for an institution's total number of students. It is computed for each course by multiplying the number of times the course meets each week by the number of hours of each course meeting (rounded to the half hour) and multiplying that product by the number of students.

Thus, if a course with 20 students meets Tuesdays and Thursdays from 9:00 a.m. until 10:30 a.m., the number of student clock hours resulting from that class would be 60 (2 meetings/week x 1.5 hours/meeting x 20 students).

The student clock hours reported in this study are based upon on-campus courses, both credit and non-credit, which were in progress during the week following the drop-add period of the fall term and which lasted for at least eight weeks. More detailed student clock hour data are provided in Table 8.

Table 1. Capacity/Enrollment Ratio

Institution	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity							
NC State	1,703,708	386,541.5	4.41	4.48	13.65	4.10	4.34
UNC-Chapel Hill	2,041,710	307,847.5	6.63	6.91	1212.50	6.10	6.26
Subtotal	3,745,418	694,389.0					
Subtotal Ratio			5.39	5.56	29.12	4.96	5.17
Doctoral Universities: High Research Activity							
East Carolina	1,070,001	203,599.0	5.26	5.07	7.85	3.83	3.77
N.C. A&T	665,957	137,437.5	4.85	4.81	15.03	4.51	4.68
UNC Charlotte	1,075,185	288,128.5	3.73	4.38	14.56	2.97	2.87
UNC Greensboro	796,234	143,237.0	5.56	6.49	11.53	3.74	3.52
UNC Wilmington	570,636	165,040.5	3.46	3.96	24.18	3.08	3.04
Subtotal	4,178,013	937,442.5					
Subtotal Ratio			4.46	4.84	12.18	3.53	3.54
Doctoral/Professional Universities							
Western Carolina	580,624	120,868.0	4.80	6.61	16.61	3.66	3.80
Winston-Salem	334,111	47,409.5	7.05	20.25	17.09	4.82	4.49
Subtotal	914,735	168,277.5					
Subtotal Ratio			5.44	8.77	16.79	3.98	4.01
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	970,104	243,789.0	3.98	3.96	30.42	3.25	3.37
Fayetteville	288,515	32,472.0	8.89	11.00	10.65	5.96	5.53
NCCU	538,893	62,867.0	8.57	8.05	15.70	6.60	6.15
UNC Pembroke	321,252	43,800.0	7.33	6.39	10.01	4.78	4.67
Subtotal	2,118,764	382,928.0					
Subtotal Ratio			5.53	5.51	16.52	4.33	4.29
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	252,182	37,880.5	6.66	5.68	11.87	4.99	4.79
Subtotal	252,182	37,880.5					
Subtotal Ratio			6.66	5.68	11.87	4.99	4.79
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	283,803	18,158.0	15.63	15.62	23.83	12.95	13.16
Subtotal	283,803	18,158.0					
Subtotal Ratio			15.63	15.62	23.83	12.95	13.16
Schools of Art, Music, & Design							
UNC School of the Arts	356,760	31,154.0	11.45	11.05	-	9.94	10.52
Subtotal	356,760	31,154.0					
Subtotal Ratio			11.45	11.05	-	9.94	10.52
Grand Total	11,849,675	2,270,229.5					
Grand Total Ratio			5.22	5.59	16.68	4.27	4.30

Table 2: Square Feet of Academic Facilities Per FTE Student

The ratio of an institution's square footage of academic facilities to its full-time equivalent enrollment represents an important index of the instructional utilization of campus facilities. It was first used by the U. S. Office of Education as a planning standard in the 1960s. In 1969, the Office of Education published an extensive study entitled Federal Support for Higher Education Construction: Current Programs and Future Needs, which provided normative figures by level and control of institution. The figures are summarized below:

SF of Academic Facilities per FTE Student Norms		
Institutional Level	Public	Private
University	132	150
Four-year	93	103

Academic Facilities

"Academic facilities" is a broader concept than "instructional and library space" (page 4). In general terms, it includes all space used for instruction, research, and the administration or support of instruction or research.

Academic facilities can be more precisely defined in terms of program codes (pages 39-40, 43-44, 47, 49, and 53) and room use codes (pages 61-62). The term refers to an institution's total assignable area (page 38) less the square footage of all rooms bearing program codes 42 (Museums and Galleries), 52 (Social and Cultural Development), 55 (Student Auxiliary Services), 56 (Intercollegiate Athletics), 65 (Faculty and Staff Auxiliary Services), 66 (Public Relations/Development), 91-92 (Independent Operations), and 02 (Incapable of Use). In addition, space with program code 63 (General Administration and Logistical Service) is deleted if it also has room use code 750 (Central Service), 755 (Central Service Support), 760 (Hazardous Materials), 770 (Hazardous Waste Storage), or 775 (Hazardous Waste Service). Space with program 01 (Unassigned, Capable of Use) and any of the following room use codes is also excluded from academic facilities: 523 (Athletic Facilities Spectator Seating), 630 (Food Facility), 635 (Food Facility Service), 660 (Merchandising), 665 (Merchandising Service), 750 (Central Service), 755 (Central Service Support), 760 (Hazardous Materials Storage), 770 (Hazardous Waste Storage), 775 (Hazardous Waste Service) all of the 800s (Health Care Facilities), and all of the 900s (Residential Facilities).

FTE Enrollment

Full-time equivalent (FTE) enrollment is computed by assigning a percentage to each part-time student to reflect his/her course load and then adding the result to the total full-time enrollment. FTE enrollment differs from the other frequently used standard for estimating student populations, headcount enrollment, in that the latter treats full-time and part-time students identically. A more detailed description of the procedure used in calculating FTE enrollment can be found on page 33.

SQ. FT. OF ACADEMIC FACILITIES PER FTE STUDENT =

SQUARE FEET OF ACADEMIC FACILITIES

FTE ENROLLMENT

Table 2. Square Feet of Academic Facilities Per FTE Student

Institution	ASF of Academic Facilities	FTE Enrollment	Square Feet of Academic Facilities Per FTE Student				
			2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity							
NC State	5,998,891	33,034	182	185	189	185	190
NC State Veterinary Med	448,751	398	1,127	1,130	1,133	1,132	1,091
UNC-Chapel Hill	3,928,838	24,026	164	163	169	164	161
UNC-Chapel Hill Hlth Aff.	2,486,921	5,380	462	476	514	535	555
Subtotal	9,927,729	57,060					
Subtotal Ratio			174	175	181	176	177
Doctoral Universities: High Research Activity							
East Carolina	1,792,556	21,293	84	78	75	76	75
East Carolina Hlth Aff.	1,143,594	2,679	427	418	389	393	420
N.C. A&T	1,492,764	12,551	119	121	130	132	137
UNC Charlotte	2,052,863	26,897	76	73	70	72	69
UNC Greensboro	1,582,615	16,034	99	93	84	81	79
UNC Wilmington	1,126,015	15,935	71	71	73	64	64
Subtotal	8,046,813	92,710					
Subtotal Ratio			87	83	82	81	82
Doctoral/Professional Universities							
Western Carolina	931,002	10,475	89	85	77	76	79
Winston-Salem	563,910	4,656	121	117	118	110	112
Subtotal	1,494,912	15,131					
Subtotal Ratio			99	95	89	87	89
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	1,465,040	19,569	75	68	68	71	73
Fayetteville	471,940	5,698	83	84	83	84	86
NCCU	801,733	6,869	117	110	109	110	107
UNC Pembroke	554,523	6,563	84	77	76	77	84
Subtotal	3,293,236	38,699					
Subtotal Ratio			85	79	80	81	83
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	421,516	2,715	155	129	129	125	118
Subtotal	421,516	2,715					
Subtotal Ratio			155	129	129	125	118
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	417,316	1,940	215	231	237	260	278
Subtotal	417,316	1,940					
Subtotal Ratio			215	231	237	260	278
Schools of Art, Music, & Design							
UNC School of the Arts	566,474	1,091	519	510	520	498	515
Subtotal	566,474	1,091					
Subtotal Ratio			519	510	520	498	515
Grand Total	24,167,996	209,346.0					
Grand Total Ratio			115	112	112	110	111

Table 3: Average Weekly Room Hours of Instruction in Classrooms

The average weekly room hours of instruction in classrooms is calculated by dividing the total room hours of instruction in classrooms by the total number of classrooms. In more general terms, it is the average number of hours that an institution's classrooms are used for instructional purposes each week. Weekly room hours of instruction is also referred to as the **Room Utilization Rate (RUR)**.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS =

TOTAL ROOM HOURS OF INSTRUCTION IN CLASSROOMS

TOTAL NUMBER OF CLASSROOMS

The total room hours of instruction in classrooms is the number of hours each week that a classroom is used for regularly scheduled classes. Thus, a classroom that is used Mondays, Wednesdays, and Fridays from 9:00 a.m. until 1:00 p.m. and on Tuesdays and Thursdays from 8:30 a.m. until noon would generate 19 room hours (4 hours/day x 3 days/week + 3.5 hours/day x 2 days/week). Table 3 indicates the total room hours of instruction in classrooms; the total number of classrooms can be found in Table 16.

For purposes of this study, a classroom is defined as a room used to conduct classes that do not require special-purpose equipment for student use. Thus, a classroom is by definition a general use facility that could be used for teaching the lecture portion of any course. If a room is used for regularly scheduled classes but has special equipment that ties it to a particular subject matter, then the room is a class laboratory, and its use would not be considered in this table.

Table 3 separates average weekly room hours of instruction in classrooms into daytime and nighttime utilizations. Daytime utilization is based on all classes with beginning times between and including 5:00 a.m. and 4:59 p.m.; nighttime utilization is based on all other classes. The "All Hours" section of Table 3 indicates the sum of the daytime and nighttime figures for the last five years.

The average weekly room hours of classroom instruction can serve as an indicator of the adequacy of the number of classrooms at an institution. **The University of North Carolina target standard is 35 hours of instruction in classrooms per week**, but institutions in North Carolina and in many other states average significantly fewer hours.

Table 3. Average Weekly Room Hours of Instruction in Classrooms

				All Hours				
Institution	Total Room Hours	Average Daytime Hours	Average Nighttime Hours	2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity								
NC State	7,040.5	29.0	1.6	30.6	30.1	11.0	31.8	31.2
UNC-Chapel Hill	7,813.0	25.9	1.2	27.1	26.3	0.3	27.3	27.6
Subtotal	14,853.5							
Subtotal Average		27.3	1.4	28.7	28.0	5.2	29.0	29.2
Doctoral Universities: High Research Activity								
East Carolina	3,980.5	21.0	1.2	22.2	22.4	13.4	27.1	27.2
N.C. A&T	3,365.5	19.4	2.7	22.1	24.0	9.7	27.9	25.4
UNC Charlotte	6,109.5	21.7	4.3	26.0	22.6	9.8	29.9	30.8
UNC Greensboro	3,876.5	22.8	2.7	25.5	22.9	16.2	32.2	31.6
UNC Wilmington	4,305.0	24.9	1.8	26.7	23.9	6.8	30.8	32.2
Subtotal	21,637.0							
Subtotal Average		22.0	2.7	24.6	23.1	10.9	29.1	29.5
Doctoral/Professional Universities								
Western Carolina	3,149.0	26.9	2.0	28.9	29.9	7.6	33.2	32.3
Winston-Salem	1,486.0	14.4	1.6	16.0	5.7	6.9	20.9	22.6
Subtotal	4,635.0							
Subtotal Average		21.1	1.8	22.9	18.7	7.3	28.0	28.2
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	5,352.0	19.5	1.3	20.8	23.1	4.5	28.8	27.2
Fayetteville	1,133.0	15.0	2.7	17.7	16.4	15.6	23.0	25.3
NCCU	2,083.5	12.5	1.2	13.7	13.0	5.9	14.8	16.6
UNC Pembroke	1,967.0	14.2	1.5	15.7	17.3	9.9	22.4	22.8
Subtotal	10,535.5							
Subtotal Average		16.1	1.4	17.6	18.4	7.4	22.8	23.2
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	1,441.5	24.9	2.8	27.7	27.3	11.2	27.4	28.3
Subtotal	1,441.5							
Subtotal Average		24.9	2.8	27.7	27.3	11.2	27.4	28.3
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	711.0	6.9	1.0	7.9	7.4	6.2	9.6	10.2
Subtotal	711.0							
Subtotal Average		6.9	1.0	7.9	7.4	6.2	9.6	10.2
Schools of Art, Music, & Design								
UNC School of the Arts	522.5	7.8	0.3	8.1	8.8	0.0	11.4	10.4
Subtotal	522.5							
Subtotal Average		7.8	0.3	8.2	8.8	0.0	11.4	10.4
Grand Total	54,336							
Grand Total Average		20.7	1.9	22.6	21.8	8.1	26.6	26.7

Table 4: Average Weekly Room Hours of Instruction in Class Laboratories

The average weekly room hours of instruction in class laboratories is calculated by dividing the total room hours of instruction in class laboratories by the total number of class laboratories. In more general terms, it is the average number of hours that an institution's class laboratories are used for instructional purposes each week. Weekly room hours of instruction is also referred to as the **Room Utilization Rate (RUR)**.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES =

TOTAL ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES

TOTAL NUMBER OF CLASS LABORATORIES

The total room hours of instruction in class laboratories is the number of hours each week that each class laboratory is used for regularly scheduled classes. This figure is provided in Table 4; the total number of class laboratories can be found in Table 17. Table 4 also separates the average room hour data into daytime and nighttime uses of class laboratories. For specific definitions of "daytime" and "nighttime," and for a more detailed explanation of the calculation of total room hours, see page 9.

For purposes of this study, a class laboratory is defined as a room used primarily for regularly scheduled classes that require special purpose equipment for student participation, experimentation, observation, or practice in a field of study. This definition excludes rooms used for regularly scheduled classes that have no special-purpose equipment (i.e., classrooms) and excludes rooms with special-purpose equipment which are not used for regularly scheduled classes (i.e., other kinds of laboratories).

Table 4 can provide some indication of the adequacy of the number of class laboratories at a particular institution. Unfortunately, since the data reflect the utilization of all class laboratories, it is impossible to determine whether an institution's shortage (or surplus) of these rooms is limited to certain types or is "across the board." In such cases, an institution might be able to make a more useful measurement by determining the average weekly use of each type of class laboratory.

Since each class laboratory is designed for use in a particular field of study, most of them are not used as frequently as classrooms. **The University of North Carolina target standard for the average use of class laboratories is 20 hours per week.**

Table 4. Average Weekly Room Hours of Instruction in Class Laboratories

Institution	Total Room Hours	Average Daytime Hours	Average Nighttime Hours	All Hours				
				2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity								
NC State	3,319.0	15.1	1.6	16.8	16.9	6.2	15.4	12.7
UNC-Chapel Hill	767.0	7.7	0.7	8.3	8.3	-	8.9	9.3
Subtotal	4,086.0							
Subtotal Average		12.8	1.3	14.1	14.1	4.4	13.3	11.8
Doctoral Universities: High Research Activity								
East Carolina	2,433.5	11.9	0.8	12.7	13.2	11.4	14.6	15.2
N.C. A&T	1,275.0	11.0	1.6	12.6	13.4	4.2	13.3	13.0
UNC Charlotte	2,430.0	15.2	1.7	17.0	14.3	7.2	18.7	20.7
UNC Greensboro	1,685.5	10.8	1.1	12.0	11.9	13.0	18.0	17.5
UNC Wilmington	1,901.5	16.1	2.1	18.1	17.3	3.5	19.5	17.0
Subtotal	9,725.5							
Subtotal Average		12.9	1.4	14.3	13.8	8.2	16.5	16.6
Doctoral/Professional Universities								
Western Carolina	1,548.5	12.6	1.1	13.7	14.7	9.4	18.1	17.7
Winston-Salem	303.5	3.4	0.5	3.8	2.1	2.7	9.6	10.1
Subtotal	1,852.0							
Subtotal Average		8.8	0.8	9.6	9.1	6.3	14.8	14.8
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	2,826.0	16.0	1.4	17.4	19.1	3.8	20.2	20.5
Fayetteville	486.5	11.5	0.9	12.5	10.4	10.9	14.4	15.7
NCCU	466.5	6.4	0.8	7.2	7.4	5.4	7.5	8.5
UNC Pembroke	468.5	7.6	0.2	7.8	9.5	9.6	14.0	17.4
Subtotal	4,247.5							
Subtotal Average		12.0	1.0	13.0	13.9	5.9	15.6	16.7
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	264.5	12.5	2.2	14.7	14.7	8.7	12.8	11.8
Subtotal	264.5							
Subtotal Average		12.5	2.2	14.7	14.7	8.7	12.8	11.8
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	265.0	3.2	0.8	4.0	4.8	4.1	5.9	6.7
Subtotal	265.0							
Subtotal Average		3.2	0.8	4.0	4.8	4.1	5.9	6.7
Schools of Art, Music, & Design								
UNC School of the Arts	1,003.0	10.4	2.7	13.0	13.2	-	13.2	12.3
Subtotal	1,003.0							
Subtotal Average		10.4	2.7	13.0	13.2	-	13.2	12.3
Grand Total	21,443.5							
Grand Total Average		11.7	1.3	13.0	13.0	6.2	14.8	14.5

Table 5: Average Weekly Use of Student Stations in Classrooms

Average weekly use of student stations in classrooms is calculated by dividing the total number of student clock hours generated in classrooms by the total number of student stations in classrooms. More generally, it can be thought of as the average number of hours each week that each classroom student station is used.

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS =

TOTAL STUDENT CLOCK HOURS IN CLASSROOMS

TOTAL STUDENT STATIONS IN CLASSROOMS

For the current year, Table 5 reports the total number of classroom student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 9 for precise definitions of classrooms and of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of student stations in classrooms.

A frequently cited norm is **22.75 hours per week**. This figure assumes that the average weekly use of classrooms is 35 hours (see Table 3) and that there is 65% utilization of student stations when classrooms are in use (Table 7).

Table 5. Average Weekly Use of Student Stations in Classrooms

Institution	No. of Stations	Total Student Clock Hours	Average Daytime Hours	Average Nighttime Hours	All Hours				
					2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity									
NC State	14,367	292,447.0	19.5	0.9	20.4	19.4	5.6	21.2	20.8
UNC-Chapel Hill	14,240	285,030.0	19.3	0.7	20.0	19.1	0.2	19.2	18.6
Subtotal	28,607	577,477.0							
Subtotal Average			19.4	0.8	20.2	19.3	3.9	20.0	19.7
Doctoral Universities: High Research Activity									
East Carolina	9,343	145,981.5	15.0	0.6	15.6	15.8	8.7	20.9	21.7
N.C. A&T	6,997	95,188.5	12.3	1.3	13.6	13.8	4.8	16.3	15.4
UNC Charlotte	13,312	235,404.0	15.3	2.4	17.7	15.4	4.9	21.7	22.1
UNC Greensboro	8,659	105,338.5	11.4	0.8	12.2	9.8	11.9	17.5	18.6
UNC Wilmington	7,266	121,832.5	15.8	0.9	16.8	15.0	5.5	21.8	22.2
Subtotal	45,577	703,745.0							
Subtotal Average			14.1	1.3	15.4	14.1	6.6	19.5	20.3
Doctoral/Professional Universities									
Western Carolina	4,457	84,188.0	17.9	1.0	18.9	12.1	7.4	23.7	22.3
Winston-Salem	4,002	36,183.0	8.5	0.6	9.0	2.8	3.3	12.7	13.7
Subtotal	8,459	120,371.0							
Subtotal Average			13.4	0.8	14.2	7.7	4.5	19.0	18.8
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	10,763	163,121.0	14.4	0.7	15.2	15.9	5.0	20.5	19.3
Fayetteville	2,557	22,252.5	7.8	0.9	8.7	7.6	7.8	13.9	14.8
NCCU	6,397	45,608.5	6.7	0.5	7.1	7.5	3.0	9.2	9.6
UNC Pembroke	4,895	35,702.0	6.9	0.4	7.3	8.9	5.0	13.6	14.5
Subtotal	24,612	266,684.0							
Subtotal Average			10.2	0.6	10.8	11.3	4.7	15.1	15.2
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	1,408	25,090.0	16.0	1.8	17.8	19.4	11.3	17.5	18.2
Subtotal	1,408	25,090.0							
Subtotal Average			16.0	1.8	17.8	19.4	11.3	17.5	18.2
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	3,379	13,669.5	3.6	0.4	4.0	3.9	2.8	5.2	5.1
Subtotal	3,379	13,669.5							
Subtotal Average			3.6	0.4	4.0	3.9	2.8	5.2	5.1
Schools of Art, Music, & Design									
UNC School of the Arts	1,559	6,233.0	3.9	0.1	4.0	4.7	0.0	6.4	5.9
Subtotal	1,559	6,233.0							
Subtotal Average			3.9	0.1	4.0	4.7	0.0	6.4	5.9
Grand Total	113,601	1,713,269.5							
Grand Total Average			14.1	1.0	15.1	14.0	5.2	18.4	18.4

Table 6: Average Weekly Use of Student Stations in Class Laboratories

Average weekly use of student stations in class laboratories is calculated by dividing the total number of student clock hours generated in class laboratories by the total number of student stations in class laboratories. More generally, it can be thought of as the average number of hours each week that each class lab student station is used.

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES =

TOTAL STUDENT CLOCK HOURS IN CLASS LABORATORIES

TOTAL STUDENT STATIONS IN CLASS LABORATORIES

For the current year, Table 6 reports the total number of class lab student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 13 for a discussion of what the term class laboratory includes and page 9 for precise definitions of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of stations in class laboratories.

A frequently cited norm is **15 hours per week**. This figure assumes that the average weekly use of class labs is 20 hours (see Table 4) and that there is 75% utilization of student stations when class labs are in use (Table 7).

Table 6. Average Weekly Use of Student Stations in Class Laboratories

Institution	No. of Stations	Student Clock Hours	Average Daytime Hours	Average Nighttime Hours	All Hours				
					2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity									
NC State	5,606	69,372.5	11.2	1.1	12.3	12.3	4.6	12.2	10.5
UNC-Chapel Hill	2,934	13,827.5	4.8	0.7	5.5	5.5	0.0	6.8	6.8
Subtotal	8,540	83,200.0							
Subtotal Average			8.9	0.9	9.7	10.2	3.3	10.6	9.4
Doctoral Universities: High Research Activity									
East Carolina	5,301	46,309.5	8.2	0.6	8.7	9.5	8.7	11.4	11.6
N.C. A&T	2,396	24,812.5	9.2	1.2	10.4	10.6	3.0	11.7	11.1
UNC Charlotte	3,964	50,797.5	11.4	1.4	12.8	9.4	5.0	13.1	14.6
UNC Greensboro	3,893	31,166.0	7.3	0.7	8.0	7.9	10.5	11.7	8.9
UNC Wilmington	2,628	35,543.5	12.0	1.5	13.5	12.3	3.0	15.0	14.1
Subtotal	18,182	188,629.0							
Subtotal Average			9.4	1.0	10.4	9.7	6.5	12.5	11.6
Doctoral/Professional Universities									
Western Carolina	2,575	29,022.5	10.4	0.9	11.3	9.2	6.3	13.9	13.9
Winston-Salem	1,581	5,110.5	2.9	0.3	3.2	1.4	1.8	8.7	8.4
Subtotal	4,156	34,133.0							
Subtotal Average			7.6	0.6	8.2	6.1	4.2	12.1	12.0
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	3,950	55,635.5	12.7	1.4	14.1	13.9	3.2	17.5	17.5
Fayetteville	1036	7,863.5	7.3	0.3	7.6	5.7	5.7	10.0	10.9
NCCU	1,387	9,536.0	6.1	0.8	6.9	7.4	4.2	7.2	8.4
UNC Pembroke	1,530	6,691.5	4.3	0.1	4.4	4.4	4.1	11.3	14.3
Subtotal	7,903	79,726.5							
Subtotal Average			9.2	0.9	10.1	9.7	4.1	13.2	14.1
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	387	4,987.5	11.2	1.7	12.9	11.3	10.7	10.7	10.2
Subtotal	387	4,987.5							
Subtotal Average			11.2	1.7	12.9	11.3	10.7	10.7	10.2
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	1,451	4,276.5	2.2	0.7	2.9	3.3	4.3	4.3	3.9
Subtotal	1,451	4,276.5							
Subtotal Average			2.2	0.7	2.9	3.3	4.3	4.3	3.9
Schools of Art, Music, & Design									
UNC School of the Arts	2,118	14,742.5	5.6	1.4	7.9	7.9	7.9	7.9	7.4
Subtotal	2,118	14,742.5							
Subtotal Average			5.6	1.4	7.0	7.5	7.9	7.9	7.4
Grand Total	42,737	409,695.0							
Grand Total Average			8.6	0.9	9.6	9.1	4.5	11.5	11.1

Table 7: Percent Student Station Utilization, Classrooms & Class Laboratories

Percent student station utilization indicates the average percentage of student stations that are occupied when classrooms or class laboratories are in use. It is calculated by dividing the student clock hours generated in class-rooms (or class labs) by the potential student clock hours for classrooms (or class labs) and multiplying by 100 to convert to a percentage. Potential student clock hours are computed on a room-by-room basis by multiplying the number of student stations in each room by the hours of instruction generated by the room (Tables 3 and 4). It indicates the number of student clock hours that would be generated if every room were filled (i.e., if the number of students equaled the number of stations) each time a course met in the room.

PERCENT STUDENT STATION UTILIZATION IN CLASSROOMS (OR CLASS LABS) =

STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)

POTENTIAL STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)

It is important to keep in mind that the percent student station utilization assesses the utilization of rooms only when they are in use. Therefore, this figure is a helpful indicator of how close to capacity an institution's courses are to the rooms in which they are scheduled. It does not, however, indicate the overall efficiency of utilization since it does not consider how frequently a room is used.

The University of North Carolina standards are 65% for classrooms and 75% for class laboratories. The higher percentage for class labs reflects the assumption that these rooms, although used less frequently than classrooms due to their specialized configuration and/or equipment, are usually closer to being filled when they are in use.

Data for University of North Carolina institutions indicate that the percent student station utilization of labs at most campuses are generally higher than classrooms.

Percent student station utilization may also be referred to as the Station Occupancy Rate (SOR).

Table 7. Percent Student Station Utilization, Classrooms and Class Laboratories

Institution	Classrooms					Laboratories				
	2022	2021	2020	2019	2018	2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity										
NC State	64.0	62.5	37.5	64.7	64.7	71.2	70.4	69.3	78.2	75.5
UNC-Chapel Hill	67.0	67.7	40.9	68.6	66.9	36.7	43.3	0.0	49.5	50.1
Group Subtotal Percent	65.4	65.0	37.5	66.5	65.8	61.6	63.4	69.3	69.8	67.9
Doctoral Universities: High Research Activity										
East Carolina	63.5	64.3	49.8	69.8	70.7	57.2	58.0	61.5	62.3	62.0
N.C. A&T	54.8	52.7	36.5	54.2	54.7	75.1	72.0	67.7	76.7	73.6
UNC Charlotte	60.7	56.2	36.3	66.0	67.1	68.3	57.0	52.3	63.6	65.2
UNC Greensboro	52.1	35.3	63.3	57.9	62.0	50.1	50.2	73.4	57.5	54.2
UNC Wilmington	60.9	58.0	63.9	67.0	63.1	63.7	59.6	70.5	68.5	70.4
Group Subtotal Percent	59.0	53.3	45.7	63.6	64.6	61.6	58.2	63.0	64.4	63.8
Doctoral/Professional Universities										
Western Carolina	63.4	38.9	86.1	69.7	67.0	57.9	47.9	59.7	63.6	63.0
Winston-Salem	51.4	35.1	34.7	57.5	58.5	58.2	48.2	43.5	65.0	61.6
Group Subtotal Percent	59.3	38.1	49.2	65.8	64.2	57.9	47.9	55.5	63.9	62.6
Master's Colleges & Universities: Larger/Medium Programs										
Appalachian	67.1	63.7	73.8	68.3	67.6	74.2	67.2	68.9	80.0	78.2
Fayetteville	47.1	42.6	47.5	57.0	54.9	55.8	48.2	51.9	62.0	63.6
NCCU	43.3	44.9	39.9	52.2	49.4	78.5	74.9	65.5	77.4	82.9
UNC Pembroke	42.9	48.1	43.5	58.1	61.4	41.9	42.9	43.3	67.6	72.8
Group Subtotal Percent	55.7	54.7	47.6	61.8	60.9	68.0	63.1	55.8	75.5	76.0
Baccalaureate Colleges: Arts & Sciences Focus										
UNC Asheville	64.1	70.4	80.1	62.8	63.3	72.8	63.9	73.5	73.7	66.5
Group Subtotal Percent	64.1	70.4	80.1	62.8	63.3	72.8	63.9	73.5	73.7	66.5
Baccalaureate Colleges: Diverse Fields										
Elizabeth City	43.6	43.2	31.4	44.1	41.2	46.2	43.9	41.7	47.5	40.9
Group Subtotal Percent	43.6	43.2	31.4	44.1	41.2	46.2	43.9	41.7	47.5	40.9
Schools of Art, Music, & Design										
UNC School of the Arts	42.6	44.2	0.0	49.5	50.5	46.6	46.6	0.0	49.8	49.6
Group Subtotal Percent	42.6	44.2	0.0	49.5	50.5	46.6	46.6	0.0	49.8	49.6
Grand Total Percent	60.3	56.2	44.6	63.9	63.9	61.6	58.6	61.6	66.4	65.6

Table 8: Student Clock Hours of Instruction

This table indicates the weekly student clock hours of instruction being conducted at the end of the fall drop-add period. Student clock hours are computed by multiplying for each course the number of hours that the course meets each week by the number of students enrolled. (To compute the number of hours that the course meets each week, the class length is rounded to the nearest half hour and multiplied by the number of times the class meets weekly.) The data reflect both credit and non-credit courses, which were at least eight weeks in duration.

The columns headed "Laboratories" reflect instruction conducted only in class laboratories (room code 210). A precise definition of class laboratory is provided on page 11. The columns headed "Other" reflect instruction in rooms coded other than 110 and 210 (e.g., other types of laboratories, physical education facilities, offices). An outline of the room use code structure is presented on pages 61-62.

The number of clock hours conducted in a particular category of space is a function of the number of students enrolled, the nature of the instructional programs being pursued by the students, and the instructional philosophy of the institution.

Table 8. Student Clock Hours of Instruction

Institution	2022			2021		
	Classroom	Laboratory	Other	Classroom	Laboratory	Other
Doctoral Universities: Very High Research Activity						
NC State	292,447.0	69,372.5	24,722.0	278,555.0	69,258.5	25,469.0
UNC-Chapel Hill	285,030.0	13,827.5	8,990.0	272,208.0	14,858.0	8,913.0
Subtotal	577,477.0	83,200.0	33,712.0	550,763.0	84,116.5	34,382.0
Doctoral Universities: High Research Activity						
East Carolina	145,981.5	46,309.5	11,308.0	147,586.5	44,756.5	11,772.0
N.C. A&T	95,188.5	24,812.5	17,436.5	96,647.0	25,475.0	16,411.5
UNC Charlotte	235,404.0	50,797.5	1,927.0	206,831.5	37,043.5	3,257.5
UNC Greensboro	105,338.5	31,166.0	6,732.5	85,193.5	29,942.0	6,264.0
UNC Wilmington	121,832.5	35,543.5	7,664.5	108,371.5	31,700.5	4,354.5
Subtotal	703,745.0	188,629.0	45,068.5	644,630.0	168,917.5	42,059.5
Doctoral/Professional Universities						
Western Carolina	84,188.0	29,022.5	7,657.5	54,120.0	22,104.0	11,805.5
Winston-Salem	36,183.0	5,110.5	6,116.0	11,402.5	2,204.5	2,894.5
Subtotal	120,371.0	34,133.0	13,773.5	65,522.5	24,308.5	14,700.0
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	163,121.0	55,635.5	25,032.5	154,890.5	50,433.0	24,405.0
Fayetteville	22,252.5	7,863.5	2,356.0	19,014.5	5,314.0	1,448.0
NCCU	45,608.5	9,536.0	7,722.5	47,862.5	10,198.5	8,857.5
UNC Pembroke	35,702.0	6,691.5	1,406.5	42,459.5	6,531.5	2,107.5
Subtotal	266,684.0	79,726.5	36,517.5	264,227.0	72,477.0	36,818.0
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	25,090.0	4,987.5	7,803.0	28,356.0	4,372.0	6,343.0
Subtotal	25,090.0	4,987.5	7,803.0	28,356.0	4,372.0	6,343.0
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	13,669.5	4,276.5	212.0	13,654.0	4,943.5	145.0
Subtotal	13,669.5	4,276.5	212.0	13,654.0	4,943.5	145.0
Schools of Art, Music, & Design						
UNC School of the Arts	6,233.0	14,742.5	10,178.5	6,426.0	14,479.0	10,500.5
Subtotal	6,233.0	14,742.5	10,178.5	6,426.0	14,479.0	10,500.5
Grand Total	1,713,269.5	409,695.0	147,265.0	1,573,578.5	373,614.0	144,948.0

Table 8. (Cont'd) Student Clock Hours of Instruction

Institution	2020		
	Classroom	Laboratory	Other
Doctoral Universities: Very High Research Activity			
NC State	79,709.0	29,851.0	13,690.0
UNC-Chapel Hill	1,472.0	0.0	139.5
Subtotal	81,181.0	29,851.0	13,829.5
Doctoral Universities: High Research Activity			
East Carolina	81,187.0	39,174.5	11,192.5
N.C. A&T	33,452.5	7,307.5	7,160.0
UNC Charlotte	55,027.0	13,561.0	2,184.5
UNC Greensboro	38,274.5	19,832.0	5,305.0
UNC Wilmington	19,643.0	4,233.0	1,662.5
Subtotal	227,584.0	84,108.0	27,504.5
Doctoral/Professional Universities			
Western Carolina	12,685.0	11,156.0	9,070.0
Winston-Salem	12,941.0	2,831.5	3,777.0
Subtotal	25,626.0	13,987.5	12,847.0
Master's Colleges & Universities: Larger/Medium Programs			
Appalachian	17,502.0	6,419.0	5,088.5
Fayetteville	19,789.5	5,365.0	1,463.0
NCCU	19,384.0	5,817.0	9,085.0
UNC Pembroke	24,763.5	5,788.0	3,149.0
Subtotal	81,439.0	23,389.0	18,785.5
Baccalaureate Colleges: Arts & Sciences Focus			
UNC Asheville	11,641.0	2,608.0	5,391.5
Subtotal	11,641.0	2,608.0	5,391.5
Baccalaureate Colleges: Diverse Fields			
Elizabeth City	8,289.5	3,408.0	120.0
Subtotal	8,289.5	3,408.0	120.0
Schools of Art, Music, & Design			
UNC School of the Arts	0.0	0.0	0.0
Subtotal	0.0	0.0	0.0
Grand Total	435,760.5	157,351.5	78,478.0

Table 9: Space Factors

A space factor is the assignable square feet of a given type of space divided by the student clock hours of instruction generated from that type of space. It is very useful to facilities planners in that it combines the concepts of weekly room hours (Tables 3 and 4), percent student station utilization (Table 7), and assignable square feet per student station (Tables 16 and 17) into a single factor. **The lower the space factor, the more effectively the space is being utilized for instructional purposes.**

Space factors can be specifically defined in two ways. For Table 9, the following formula is used:

$$\text{SPACE FACTOR} = \frac{\text{ASSIGNABLE SQUARE FEET}}{\text{STUDENT CLOCK HOURS}}$$

$$\text{SPACE FACTOR} = \frac{\text{ASSIGNABLE SF/STATION}}{\text{AVG WEEKLY ROOM HOURS X PERCENT STATION UTILIZATION}}$$

An alternative formula is:

Note that space factors must relate to a specified type of space. For example, a classroom space factor is calculated by dividing the assignable square feet of classroom space by the student clock hours generated in classrooms.

Although the two are equivalent, they may produce slightly different results due to the rounding, which is inherent in the second formula. The second formula is nevertheless useful in calculating space factor norms.

Classrooms - If the UNC target standards cited for Tables 3, 7, and 16 are used for the three factors which comprise the second formula, the result is a space factor of 0.79:

$$\text{Classroom Space Factor} = \frac{18}{35 \times .65} = 0.79$$

Although this represents a frequently cited norm for classroom space factors, it is considerably lower (i.e., more efficient) than the classroom space factors of most University of North Carolina System institutions. The current average can be calculated by using the averages for the three required indices from Tables 3, 7, and 16:

$$\text{Classroom Space Factor} = \frac{19}{22.6 \times .603} = 1.39$$

Class Laboratories

The average assignable square footage per station in class laboratories varies widely among different types of labs. This variance results in a wide range of space factors and makes defining norms difficult. Standards adopted by the University

of North Carolina System (See Table 11) classify class laboratories into four categories, based on discipline requirements, and assign a space factor (and other criteria) for each:

<p>High Intensive (e.g., Engineering and intensive Fine Arts) is assigned a Space Factor standard of 7.20. This is based on standards of 20 Weekly Room Hours (Room Utilization Rate), a Percent Student Station Utilization (or Station Occupancy Rate) of 0.75, and ASF per Student Station (Station Size) of 108 square feet.</p>	<p>Moderately Intensive (e.g., Communications, Education) is assigned a Space Factor standard of 3.33. This is based on standards of 20 Weekly Room Hours, a Percent Student Station Utilization of 0.75, and ASF per student Station of 50 square feet.</p>
<p>Intensive (e.g., Agriculture, Architecture, Biological Sciences, Health Professions, Library and Physical Sciences) is assigned a Space Factor Standard of 4.67. This is based on standards of 20 Weekly Room Hours, a Percent Student Station Utilization of 0.75, and ASF per Student Station of 70 square feet.</p>	<p>Non-Intensive (e.g., Business, Cinematography, Languages) is assigned a Space Factor of 2.20. This is based on standards of 20 Weekly Room Hours, a Percent Student Station Utilization of 0.75, and ASF per Student Station of 33 square feet.</p>

Teaching Areas

Teaching areas represent the sum of classroom and class laboratory space. A space factor norm for teaching areas has not been derived, but the group means can be useful in assessing the extent of utilization.

Table 10 has also been developed to assist institutions in analyzing their utilization data. High, low, and weighted means are reported for average weekly room hours, percent student station utilization, and space factors, in both classrooms and class laboratories.

Table 9. Space Factors

Institution	Classrooms					Laboratories				
	2022	2021	2020	2019	2018	2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity										
NC State	0.85	0.89	3.10	0.82	0.83	3.38	3.37	8.84	3.29	3.88
UNC-Chapel Hill	0.93	0.97	173.79	0.93	0.94	6.26	5.84	0.00	5.04	4.97
Group Subtotal Factor	0.89	0.93	6.20	0.87	0.89	3.86	3.81	11.83	3.65	4.12
Doctoral Universities: High Research Activity										
East Carolina	1.12	1.11	2.03	0.84	0.81	4.03	3.76	4.15	3.14	3.11
N.C. A&T	1.52	1.42	4.11	1.21	1.27	4.22	3.89	13.03	3.42	3.61
UNC Charlotte	1.03	1.19	4.39	0.84	0.82	3.29	4.41	12.36	3.04	2.60
UNC Greensboro	1.45	1.82	3.59	0.96	0.92	5.30	5.49	6.76	3.96	4.22
UNC Wilmington	1.24	1.39	8.05	0.96	0.94	2.78	3.07	21.33	2.45	2.75
Group Subtotal Factor	1.22	1.32	3.69	0.93	0.91	3.83	4.10	7.73	3.17	3.18
Doctoral/Professional Universities										
Western Carolina	1.13	1.79	7.13	0.86	0.91	4.18	5.15	8.67	3.02	3.11
Winston-Salem	2.32	7.35	6.48	1.57	1.45	13.83	32.07	24.97	4.29	4.30
Group Subtotal Factor	1.49	2.76	6.80	1.06	1.08	5.63	7.59	11.97	3.32	3.41
Master's Colleges & Universities: Larger/Medium Programs										
Appalachian	1.36	1.26	10.38	0.99	1.04	3.07	2.85	21.18	2.55	2.53
Fayetteville	2.32	2.65	2.54	1.44	1.37	5.06	6.73	6.66	3.78	3.38
NCCU	2.62	2.50	6.16	2.04	1.94	6.25	5.84	10.24	5.95	5.10
UNC Pembroke	2.80	2.35	4.30	1.62	1.59	6.93	6.87	7.27	3.53	2.91
Group Subtotal Factor	1.85	1.76	5.62	1.33	1.33	3.97	3.92	11.69	3.22	3.02
Baccalaureate Colleges: Arts & Sciences Focus										
UNC Asheville	1.69	1.52	3.75	1.24	1.19	3.36	3.47	6.43	4.87	5.16
Group Subtotal Factor	1.69	1.52	3.75	1.24	1.19	3.36	3.47	6.43	4.87	5.16
Baccalaureate Colleges: Diverse Fields										
Elizabeth City	5.22	5.42	7.75	4.16	4.17	11.72	10.27	14.49	8.20	8.90
Group Subtotal Factor	5.22	5.42	7.75	4.16	4.17	11.72	10.27	14.49	8.20	8.90
Schools of Art, Music, & Design										
UNC School of the Arts	6.77	5.92	0.00	4.10	4.43	6.00	5.87	0.00	5.59	5.95
Group Subtotal Factor	6.77	5.92	0.00	4.10	4.43	6.00	5.87	0.00	5.59	5.95
Grand Total Factor	1.28	1.38	4.85	1.03	1.09	4.17	4.37	10.14	3.47	3.81

Table 9. (Continued) Space Factors

Institution	Teaching Areas				
	2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity					
NC State	1.34	1.38	4.67	1.30	1.40
UNC-Chapel Hill	1.17	1.22	234.51	1.19	1.21
Group Subtotal Factor	1.26	1.31	7.71	1.25	1.32
Doctoral Universities: High Research Activity					
East Carolina	1.82	1.73	2.72	1.32	1.27
N.C. A&T	2.08	1.94	5.71	1.64	1.73
UNC Charlotte	1.43	1.68	5.96	1.19	1.07
UNC Greensboro	2.33	2.77	4.67	1.52	1.47
UNC Wilmington	1.59	1.77	10.41	1.26	1.27
Group Subtotal Factor	1.77	1.90	4.78	1.34	1.30
Doctoral/Professional Universities					
Western Carolina	1.91	2.77	7.85	1.37	1.42
Winston-Salem	3.74	11.36	9.80	2.10	1.97
Group Subtotal Factor	2.40	4.07	8.63	1.57	1.59
Master's Colleges & Universities: Larger/Medium Programs					
Appalachian	1.80	1.65	13.28	1.35	1.38
Fayetteville	3.04	3.54	3.42	1.94	1.82
NCCU	3.25	3.08	7.11	2.61	2.44
UNC Pembroke	3.45	2.95	4.86	1.93	1.80
Group Subtotal Factor	2.34	2.23	6.98	1.71	1.68
Baccalaureate Colleges: Arts & Sciences Focus					
UNC Asheville	1.97	1.78	4.24	1.90	1.86
Group Subtotal Factor	1.97	1.78	4.24	1.90	1.86
Baccalaureate Colleges: Diverse Fields					
Elizabeth City	6.77	6.71	9.71	5.29	5.42
Group Subtotal Factor	6.77	6.71	9.71	5.29	5.42
Schools of Art, Music, & Design					
UNC School of the Arts	6.23	5.88	0.00	5.10	5.46
Group Subtotal Factor	6.23	5.88	0.00	5.10	5.46
Grand Total Factor	1.84	1.95	8.59	1.48	1.57

**Table 10. Range of Selected Space Utilization Indices
for Classrooms and Class Laboratories**

Classification	Room Hours Per Week			% Student Station Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Classrooms									
Doctoral Universities: Very High Research Activity	30.6	28.7	27.1	67.0	65.4	64.0	0.93	0.89	0.85
Doctoral Universities: High Research Activity	26.7	23.1	22.1	63.5	59.0	52.1	1.47	1.27	1.05
Doctoral/Professional Universities	28.9	22.9	16.0	63.4	59.3	51.4	2.32	1.49	1.15
Master's Colleges & Universities: Larger Pro.	20.8	17.6	13.7	67.1	55.7	42.9	2.79	1.85	1.20
Baccalaureate Colleges: Arts & Sciences Focus	27.7	27.7	27.7	64.1	64.1	64.1	1.72	1.69	1.72
Baccalaureate Colleges: Diverse Fields	7.9	7.9	7.9	43.6	43.6	43.6	5.41	5.22	5.41
Schools of Art, Music, & Design*	8.2	8.2	8.2	42.6	42.6	42.6	6.10	6.10	6.10
Grand Total									
State Range	30.6	22.6	7.9	70.4	60.3	35.1	5.92	1.39	0.89
Typical Standard	-	35.0	-	-	65.0	-	-	0.79	-
Class Laboratories									
Doctoral Universities: Very High Research Activity	16.9	14.1	8.3	71.2	61.6	36.7	6.27	4.37	3.36
Doctoral Universities: High Research Activity	17.3	13.8	11.9	75.1	61.6	50.1	5.27	4.44	2.73
Doctoral/Professional Universities	14.7	9.1	2.1	58.2	57.9	57.9	13.83	8.27	3.92
Master's Colleges & Universities: Larger Pro.	19.1	11.2	7.4	78.5	68.0	41.9	6.71	5.53	2.58
Baccalaureate Colleges: Arts & Sciences Focus	14.7	14.7	14.7	72.8	72.8	72.8	3.05	3.64	3.05
Baccalaureate Colleges: Diverse Fields	4.8	4.8	4.8	46.2	46.2	46.2	11.87	18.96	11.87
Schools of Art, Music, & Design*	13.2	13.0	13.2	46.6	46.6	46.6	5.76	6.93	5.76
Grand Total									
State Range	19.1	13.0	2.1	74.9	61.6	42.9	13.83	4.99	2.58
Typical Standard	-	20.0	-	-	75.0	-	-	7.20	-

*Only one institution in this category

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Table 11: Space Standards

The University of North Carolina, in conjunction with higher education consultants Eva Klein and Associates, Ltd., in 1997-98 developed space planning standards to be used as an additional variable in the evaluation of capital project needs at the UNC institutions. Space planning standards were developed for the first four series of HEGIS Room Use Codes, 100, 200, 300, and 400, as defined in both the national and N.C. facilities classification manuals. The resulting proposed space planning standards reported in “The University of North Carolina Space Planning Standards - October 1998” were officially adopted by the UNC Board of Governors in October 1998.

It should be noted that the criteria presented here are planning guidelines for current and future needs based on specific assumptions of program, enrollment, employment, and/or research growth during a given planning period. These standards do not attempt to address quality issues of space in terms of either facility condition or suitability for current and future needs. Differences in institutional missions, program diversity, or specific strategic plans are also not represented in the space standards.

As a result, these standards are not intended as exclusive or absolute indicators for determination of project needs. Given these limitations, the space standards are used within various formulas to develop totals for predicted space for each campus. These figures are in turn used, in comparison with inventoried space statistics, to calculate hypothetical surplus/deficit assignable square footages in the selected categories.

100 Series – Classroom Facilities – The standards apply only to the 110-Classroom Room Use Code. Room Use Code 115 (Classroom Service) is omitted in the calculations in accordance with typical comparative reporting practices in higher education.

See Table 3 for additional details on average weekly room hours, Table 7 on percent student station and station occupancy ratio, Table 9 on space factors, and Table 16 regarding student station size.

CLASSROOM (110) STANDARDS	
Average Student Station Size	18 ASF
Average Weekly Room Hours	35 hours/week
Station Occupancy Ratio	65%
Space Factor (see Table 9)	0.79

200 Series – Laboratory Facilities – Two types of laboratory space were studied:

210 – Class Laboratory – This includes only those laboratories that are used for regularly scheduled instruction. Excluded are areas classified as 215-Class Laboratory Service, 220-Open Laboratory (irregularly scheduled), and 225-Open Laboratory Service.

250 – Research/Nonclass Laboratory – Based again on typical industry reporting standards, this analysis also includes space classified as 255-Research/Nonclass Laboratory Service as an aggregate for calculations. Only 250/255 space further classified under the Program Codes for Research (codes 21 and 22) are used in the calculations.

CLASS (TEACHING) LABORATORY (210) STANDARDS

Space Factors are based on a Percent Student Station Utilization (Station Occupancy Ratio) of 75% and a Weekly Room Hour (Room Utilization Rate) standard of 20 hours.

Teaching Lab Category	Discipline	ASF Per Station	Space Factor
Highly Intensive	Engineering (including Textiles), Applied Design, Dance, Dramatic Arts	108	7.2
Intensive	Agriculture, Architecture, Biological Sciences, Health Professions, Library Sciences, Physical Sciences	70	4.67
Moderately Intensive	Communications, Computer/Info Tech, Education, Art, Home Economics, Law, Psychology	50	3.33
Non-Intensive	Business, Cinematography, Music, Language, Letters, Mathematics, Public Affairs, Social Sciences	33	2.2

RESEARCH/NONCLASS LABORATORY (250/255) STANDARDS

Currently, a research space planning standard ASF allowance of 9,000 square feet per \$1 million of organized research expenditures, averaged over five years, is recommended for application to only the two major research universities – UNC-Chapel Hill and N.C. State University. For all other UNC institutions, program considerations, and not planning standards, remain the basis for justification for research space capital requests. A recommendation is in place to ultimately develop four categories of disciplines with corresponding ASF allowances per \$1 million of averaged expenditures.

Research Lab Category	Discipline	ASF per \$1M Averaged Organized Research Expenditures
Highly Intensive	Production Agriculture/ Animal, Crop, Poultry, Soil Sciences	11,000
Intensive	Agricultural Sciences (other than Production Agriculture), Architecture and Related Programs, Conservation and Renewable Resources/Textiles, Forestry, Marine Sciences, Engineering, Health Professions, Physical Sciences	9,000
Moderately Intensive	Biological Sciences, Home Economics, Psychology	6,000
Non-Intensive	Applied Math/Statistics, Business, Communications, Education, Fine Arts, Languages, Law, Letters, Library Sciences, Public Affairs, Social Sciences	4,000

300 – Office Facilities – Office space standards aggregate inventoried square footages for the four Room Use Codes in the 300-series: 310-Office, 315-Office Service, 350-Conference Room, and 355-Conference Room Service.

Four standards of ASF allowance, based on personnel categories, were developed.

OFFICE FACILITY (310/315, 350/355) STANDARDS	ASF Standard
Administrative	275 ASF
Instructional and Professional	190 ASF
Technical and Clerical	140 ASF
Graduate Assistants	95 ASF

400 – Study Facilities – For study facilities, separate figures for predicted space are calculated for 410-Study Room, 420-Stack, 430-Open-Stack Study Room (using an assumption of an equal assignment of space to stack and study area within the formula), 440-Processing Room, and 455-Study Service. For surplus/deficit estimations, these figures are aggregated to study, stack, and service space and then subset under Program Code 41-Library Services for application to campus central libraries (i.e., excludes departmental libraries and study areas within residential and other buildings).

STUDY FACILITY (410, 420, 430, 440, 455) STANDARDS		
<i>Central Libraries only (Program Code 41)</i>		
Study Space	410-Study Room and 50% of 430-Open-Stack Study Room space	25 ASF per station for 20% of FTE students plus 8% of FTE faculty
Stack Space	420-Stack and 50% of 430-Open-Stack Study Room Space	0.08 ASF per volume
Service Space	440-Processing Room and 455-Study Service space	15% of the combined predicted requirement for study and stack space

Table 12: Enrollments

The two primary measures of student populations are full-time equivalent (FTE) enrollment and headcount enrollment. FTE enrollment considers part-time students as fractions of full-time students using conversion formulas, which are described below. Headcount enrollment makes no distinction between full-time and part-time students.

FTE enrollments are generally more relevant than headcount enrollments in making space utilization assessments. Table 12, therefore, reports only FTE enrollments.

FTE Enrollment

FTE enrollment, as used in this study, is based on fall enrollment. It is defined as the number of full-time students (those carrying at least 75 percent of the normal credit hour load) plus the equivalent number of students enrolled for less than 75 percent of the normal full-time load. In obtaining the undergraduate FTE enrollment figures for the University of North Carolina System, a student carrying 12 or more credit hours is considered a full-time student. In those instances where a student takes less than 12 hours, the following method of calculating FTE students is used: a student with a load of nine through 11 credit hours is the equivalent of 3/4 FTE; the student with a six through eight credit hour load is the equivalent of 1/2 FTE; and a student with less than six credit hours is the equivalent of 1/4 FTE. In obtaining graduate FTE enrollment figures for the University of North Carolina System, a student carrying nine or more credit hours is considered a full-time student. In those instances where a graduate student takes less than nine credit hours, the following method of equating is used: a student with a load of six through eight credit hours is the equivalent of 3/4 FTE; the student with a three through five credit hour load is the equivalent of 1/2 FTE; and a student with less than three credit hours is the equivalent of 1/4 FTE.

Table 12. Summary of FTE Enrollment						
Public Institutions		2022	2021	2020	2019	2018
	Doctoral Universities: Very High Research Activity	57,060	56,847	55,031	55,225	54,839
	Doctoral Universities: High Research Activity	92,710	94,946	95,957	95,614	95,040
	Doctoral/Professional Universities	15,131	15,526	15,907	15,890	15,503
	Master's Colleges & Universities: Larger/Medium Program	38,699	39,690	39,368	38,286	37,681
	Baccalaureate Colleges: Arts & Sciences Focus	2,715	3,007	3,105	3,295	3,489
	Baccalaureate Colleges: Diverse Fields	1,940	1,854	1,822	1,663	1,554
	Schools of Art, Music, & Design	1,091	1,109	1059	1,075	1040
Grand Total		209,346	212,978	212,249	211,048	209,146

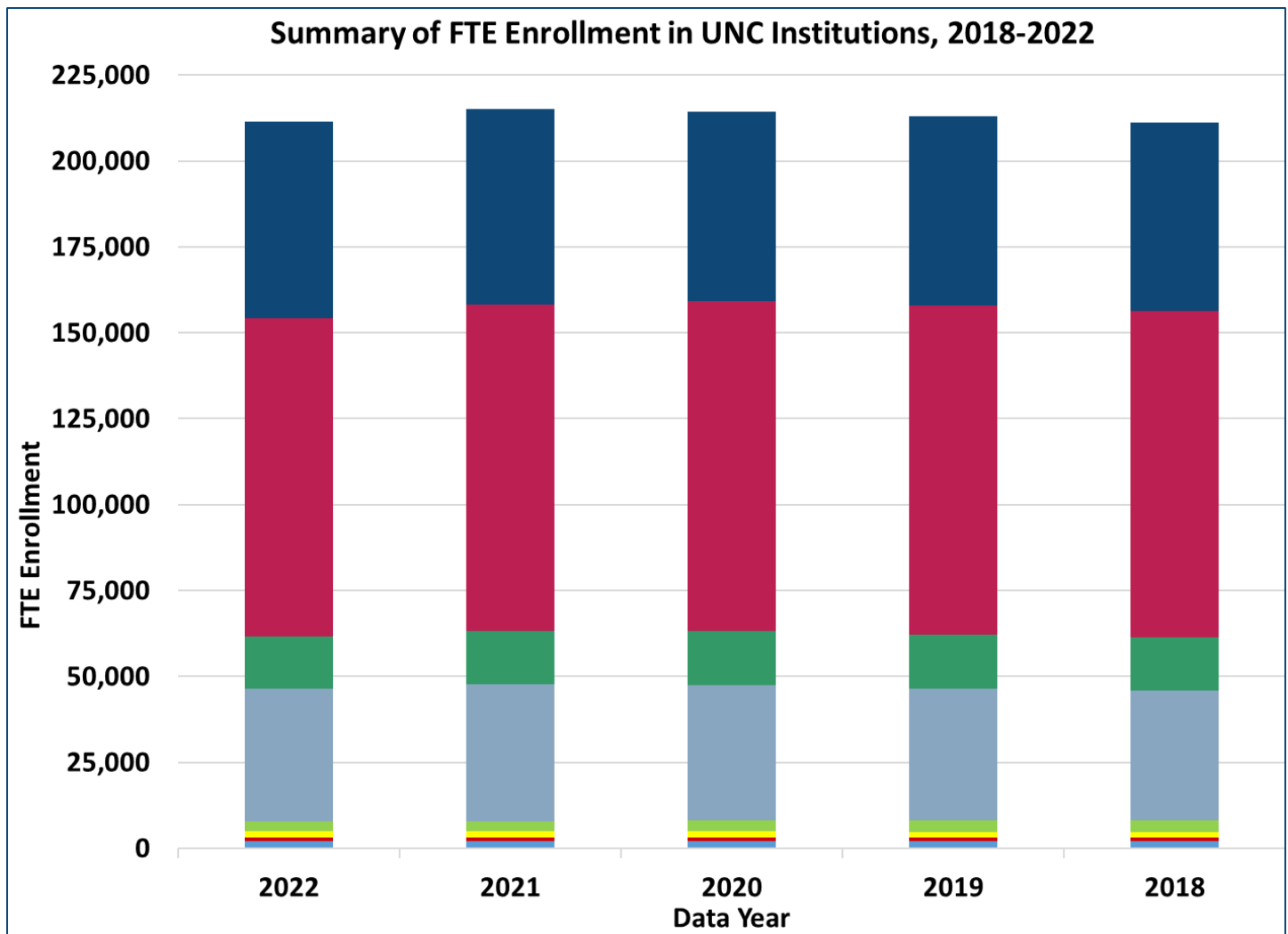


Table 12a. FTE Enrollments by Institution

Institution	2022		2021	2020	2019	2018
	FTE	HS	FTE	FTE	FTE	FTE
Doctoral Universities: Very High Research Activity						
NC State	33,034	-	32,643	31,872	32,121	31,513
NC State Veterinary Med	398	-	397	399	398	400
UNC-Chapel Hill	24,026	-	24,204	23,159	23,104	23,326
UNC-Chapel Hill Hlth Aff.	5,380	-	5,256	4,859	4,752	4,633
Subtotal	57,060	-	56,847	55,031	55,225	54,839
Doctoral Universities: High Research Activity						
East Carolina	21,293	-	22,008	22,786	22,701	22,958
East Carolina Hlth Aff.	2,679	-	2,738	2,771	2,744	2,754
N.C. A&T	12,551	-	12,384	11,897	11,765	11,346
UNC Charlotte	26,897	-	27,600	27,579	27,167	27,340
UNC Greensboro	16,034	-	16,982	17,764	18,184	18,239
UNC Wilmington	15,935	-	15,973	15,931	15,797	15,157
Subtotal	92,710	-	94,946	95,957	95,614	95,040
Doctoral/Professional Universities						
Western Carolina	10,475	-	10,713	11,104	11,103	10,660
Winston-Salem	4,656	-	4,813	4,803	4,787	4,843
Subtotal	15,131	-	15,526	15,907	15,890	15,503
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	19,569	-	19,781	19,188	18,572	18,394
Fayetteville	5,698	-	5,553	5,626	5,567	5,431
NCCU	6,869	-	7,208	7,343	7,291	7,502
UNC Pembroke	6,563	-	7,148	7,211	6,856	6,354
Subtotal	38,699	-	39,690	39,368	38,286	37,681
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	2,715	-	3,007	3,105	3,295	3,489
Subtotal	2,715	-	3,007	3,105	3,295	3,489
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	1,940	-	1,854	1,822	1,663	1,554
Subtotal	1,940	-	1,854	1,822	1,663	1,554
Schools of Art, Music, & Design						
UNC School of the Arts	1,091	(247)	1,109	1,059	1,075	1040
Subtotal	1,091	(247)	1,109	1,059	1,075	1,040
Grand Total	209,346	(247)	212,978	212,249	211,048	209,146

2022 UNCSA FTE enrollment including high school students is 1,338.



New Science Building

University of North Carolina at Charlotte

At UNC Charlotte, enrollment has increased dramatically in the past few decades, and with it, there is booming interest in STEM fields. The New Science Building, built with Connect NC bond funds, opened in January 2022, helping to meet the growing student demand at the university. With 40 percent of new students choosing a STEM major, the Science Building is integral to the university's teaching and research mission and is home to the College of Science, which was formed in 2023.

The four-story, 125,650 gross square foot building is the center for interdisciplinary undergraduate science instruction on campus, and supports learning in biological sciences, chemistry, and physics. Designed with student success at the forefront, the building enhances the undergraduate learning experience while also expanding graduate research opportunities. Interdisciplinary research labs are located in two wings on the upper floors. Faculty and graduate student researchers from multiple colleges and departments work together on grant-funded research. Labs with shared equipment and shared chemical storage support researchers. The expansion of undergraduate research opportunities is prioritized, focusing on integrating interdisciplinary research space to support the science program's overall mission.

It features formal and informal spaces for students to gather with classmates and faculty, promoting interdisciplinary collaboration.

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Room Space Characteristics

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Table 13: Net-to-Gross Ratio

The net-to-gross ratio is the assignable square-foot (ASF) area of a building or group of buildings divided by the gross square foot (GSF). It is generally used as a measure of the efficiency of a building: the higher the net-to-gross ratio, the more space that can be assigned to the various programs for which the building was intended.

Simply stated, the gross area of a building is the sum of the floor areas of the outside faces of its exterior walls for all the building's stories (or areas that have floor surfaces). A building's assignable area is the sum of all areas on all floors that are assigned to, or available for assignment to, an occupant or specific use. More specifically, it is the building's gross area less its building service, circulation, mechanical, and structural areas.

Beginning in 1985, parking deck space was coded as Nonassignable. This change in policy, while providing a truer picture of interior space characteristics, has the effect of decreasing the net-to-gross ratios of institutions with parking decks because GSF figures include these structures. The following institutions have parking decks:

Appalachian State University	379,144 GSF
N. C. State University	2,404,742 GSF
N.C. State Veterinary Medicine	186,098 GSF
UNC Asheville	98,200 GSF
UNC-Chapel Hill - Academic Affairs	2,007,520 GSF
UNC-Chapel Hill - Health Affairs	1,245,597 GSF
UNC Charlotte	3,063,823 GSF
UNC Greensboro	875,642 GSF
UNC Wilmington	635,812 GSF

Adjusted net-to-gross figures for these institutions, which eliminate parking decks entirely and thus provide a more accurate index of campus space efficiency, are as follows:

Appalachian State University	62.4%
N.C. State University	64.9%
N.C. State Veterinary Medicine	64.1%
UNC Asheville	61.1%
UNC-Chapel Hill Health Affairs	52.6%
UNC-Chapel Hill - Academic Affairs	61.2%
UNC Charlotte	58.6%
UNC Greensboro	58.7%
UNC Wilmington	66.0%

Table 13 Net-to-Gross Ratio

Institution	Gross Sq. Ft.	Assignable Sq. Ft.	Net-to-Gross %				
			2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity							
NC State	16,866,753	9,383,128	55.6	55.8	55.9	55.6	55.4
NC State Veterinary Med	905,185	460,830	50.9	50.8	51.1	51.1	50.5
UNC-Chapel Hill	13,755,526	7,661,139	55.7	55.6	55.3	54.9	55.1
UNC-Chapel Hill Hlth Aff.	6,877,639	2,562,796	37.3	37.3	37.2	38.0	38.1
Subtotal	38,405,103	20,067,893					
Subtotal Ratio			52.3	52.3	52.2	52.0	52.0
Doctoral Universities: High Research Activity							
East Carolina	5,793,918	3,445,250	59.5	61.9	59.6	59.5	64.5
East Carolina Hlth Aff.	1,945,426	1,154,121	59.3	59.6	56.7	56.7	61.4
N.C. A&T	3,469,581	2,302,589	66.4	69.0	69.3	69.3	69.2
UNC Charlotte	10,103,936	4,127,661	40.9	41.2	41.3	40.8	41.7
UNC Greensboro	6,847,871	3,503,315	51.2	51.1	50.8	50.9	50.7
UNC Wilmington	5,011,760	2,887,775	57.6	57.7	57.9	63.2	63.4
Subtotal	33,172,492	17,420,711					
Subtotal Ratio			52.5	53.2	52.8	53.3	54.7
Doctoral/Professional Universities							
Western Carolina	3,398,458	2,121,858	62.4	50.2	63.4	63.2	63.4
Winston-Salem	2,003,023	1,283,686	64.1	64.1	64.1	64.8	64.6
Subtotal	5,401,481	3,405,544					
Subtotal Ratio			63.0	54.7	63.6	63.8	63.8
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	5,632,835	3,278,769	58.2	57.3	57.1	56.7	56.4
Fayetteville	1,472,197	919,639	62.5	62.5	62.5	62.5	62.5
NCCU	2,288,236	1,464,985	64.0	63.9	64.0	64.0	64.7
UNC Pembroke	1,842,861	1,248,150	67.7	67.4	64.9	67.0	65.9
Subtotal	11,236,129	6,911,543					
Subtotal Ratio			61.5	61.1	60.6	60.8	60.5
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	1,675,747	964,668	57.6	55.6	57.1	57.7	57.7
Subtotal	1,675,747	964,668					
Subtotal Ratio			57.6	55.6	57.1	57.7	57.7
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	1,199,352	800,719	66.8	66.7	66.5	66.5	66.5
Subtotal	1,199,352	800,719					
Subtotal Ratio			66.8	66.7	66.5	66.5	66.5
Schools of Art, Music, & Design							
UNC School of the Arts	1,354,782	859,402	63.4	63.3	69.6	67.7	67.7
Subtotal	1,354,782	859,402					
Subtotal Ratio			63.4	63.3	69.6	67.7	67.7
Teaching Hospitals							
UNC Hospitals	2,499,249	1,358,303	54.3	54.3	54.3	54.3	54.3
Subtotal	2,499,249	1,358,303					
Subtotal Ratio			54.3	54.3	54.3	54.3	54.3
Grand Total	94,944,335	51,788,783					
Grand Total Ratio			54.5	54.2	54.6	54.7	55.1

Table 14: Percentage Distribution of Assignable Area by Summary Programs and Subprograms

All colleges and universities conduct a wide range of activities in pursuit of their missions as institutions of higher education. The Program Classification Structure, developed by the National Center for Higher Education Management Systems in 1978, attempts to categorize these activities.

The structure divides all of an institution's activities into ten major categories, called programs. Each program is divided into various subprograms. Virtually every activity and square foot of assignable space can be related to one of these subprograms.

Table 14 reports for each institution the percentage of total assignable area, which is classified under each program. Tables 14a-14d indicate these percentages for the subprograms. Definitions of the programs and subprograms are provided in the narratives, which precede the tables.

In Tables 14 and 14a-14d, the percentages relate the assignable square footage of the specified program or subprogram to the total assignable area for the institution. For Table 14, these percentages should in theory add to exactly 100.0, but in some cases they do not due to rounding. In Tables 14a-14d, the sums of the percentages reported for the subprograms under a given program should in theory equal the percentage for that program as reported in Table 14. Again, they sometimes do not because of the rounding of the subprogram percentages.

PROGRAM DEFINITIONS

The descriptions of programs and subprograms which precede Tables 14-14d are excerpted from Program Classification Structure: Technical Report 106 by Douglas J. Collier.

- 10 Instruction Program.** This program includes activities carried out for the express purpose of eliciting some measure of educational change in a learner or group of learners. An instructional activity need not be eligible for credit in meeting specified formal curricular requirements leading to a post-secondary degree or certificate.
- 20 Research Program.** Any activity intended to produce one or more research outcomes--including the creation of knowledge, the organization of knowledge, and the application of knowledge--is included within this program. A research activity may be conducted with institutional funds or under the terms of agreement with an agency external to the institution.
- 30 Public Service.** The Public Service Program includes activities established to make available to the public the various resources and capabilities of the institution for the specific purpose of responding to a community need or solving a community problem.
- 40 Academic Support Program.** Any activity carried out in direct support of one or more of the Instruction (10), Research (20), and Public Service (30) Programs is classified as Academic Support.
- 50 Student Service Program.** The objective of the Student Service Program is to contribute to the emotional and physical well-being of the students, as well as to their intellectual, cultural, and social development outside of the context of the institution's formal Instruction Program.
- 60 Institutional Administration Program.** This program consists of those activities carried out to provide for both the day-to-day functioning and the long-range viability of the institution as an operating organization. The goal of the Institutional Administration Program is to provide for the institution's organizational effectiveness and continuity.
- 70 Physical Plant Operations Program.** Activities related to maintaining existing grounds and facilities, providing utility services, and planning and designing future plant expansions and modifications are included within the Physical Plant Operations Program.
- 80 Student Financial Support Program.** This program includes only the financial assistance provided to students in the form of outright grants, trainee stipends, and prizes, awarded by and/or administered

through the institution. Although it is part of the Program Classification Structure, this program applies only to funds and not to space or activities. It is not, therefore, used in facilities inventories.

90 Independent Operations Program. Those institutional activities that are owned or controlled by the institution as investments, and which are financed as part of the institution's current operations, comprise the Independent Operations Program.

00 Unassigned. Facilities that were not in use at the time of the inventory are classified under this program. It is unique to facilities management and is not included in the Program Classification Structure.

Table 14. Percentage Distribution of Assignable Area by Summary Programs

Institution	Assignable Sq. Ft.	Instruction 10	Research 20	Public Service 30	Academic Support 40
Doctoral Universities: Very High Research Activity					
NC State	9,383,128	19.2	28.0	5.2	5.6
NC State Veterinary Med	460,830	20.9	34.8	28.5	7.2
UNC-Chapel Hill	7,661,139	24.1	7.4	0.6	10.5
UNC-Chapel Hill Hlth Aff.	2,562,796	24.2	50.4	10.8	7.9
Subtotal	20,067,893				
Subtotal Percentage		21.8	23.2	4.7	7.8
Doctoral Universities: High Research Activity					
East Carolina	3,445,250	30.6	3.7	0.3	6.4
East Carolina Hlth Aff.	1,154,121	22.8	17.9	45.2	8.5
N.C. A&T	2,302,589	29.3	7.9	1.1	13.2
UNC Charlotte	4,127,661	22.5	8.1	1.5	10.2
UNC Greensboro	3,503,315	22.1	6.2	0.2	8.5
UNC Wilmington	2,887,775	19.6	4.3	1.2	8.4
Subtotal	17,420,711				
Subtotal Percentage		24.4	6.8	3.8	9.1
Doctoral/Professional Universities					
Western Carolina	2,121,858	25.9	1.2	0.4	9.7
Winston-Salem	1,283,686	24.1	2.2	0.3	7.5
Subtotal	3,405,544				
Subtotal Percentage		25.2	1.6	0.4	8.8
Master's Colleges & Universities: Larger/Medium Programs					
Appalachian	3,278,769	29.6	1.0	2.3	4.8
Fayetteville	919,639	28.7	1.0	0.1	10.5
NCCU	1,464,985	36.2	2.2	0.6	7.6
UNC Pembroke	1,248,150	25.0	0.6	0.6	9.7
Subtotal	6,911,543				
Subtotal Percentage		30.0	1.2	1.4	7.1
Baccalaureate Colleges: Arts & Sciences Focus					
UNC Asheville	964,668	23.8	1.4	1.1	8.5
Subtotal	964,668				
Subtotal Percentage		23.8	1.4	1.1	8.5
Baccalaureate Colleges: Diverse Fields					
Elizabeth City	800,719	33.9	0.3	2.3	5.7
Subtotal	800,719				
Subtotal Percentage		33.9	0.3	2.3	5.7
Schools of Art, Music, & Design					
UNC School of the Arts	859,402	40.2	0.4	2.9	7.8
Subtotal	859,402				
Subtotal Percentage		40.2	0.4	2.9	7.8
Teaching Hospitals					
UNC Hospitals	1,358,303	1.0	0.5	81.8	0.0
Subtotal	1,358,303				
Subtotal Percentage		1.0	0.5	81.8	0.0
Grand Total	51,788,783				
Grand Total Percentage		24.0	11.6	5.5	8.0

**Table 14. (Continued) Percentage Distribution of Assignable Area
by Summary Programs**

Institution	Student Services 50	Inst. Admin. 60	Physical Plant 70	Indep. Opns. 90	Unassigned 00
Doctoral Universities: Very High Research Activity					
NC State	30.8	5.1	1.4	1.5	3.3
NC State Veterinary Med	1.4	1.1	4.3	0.7	1.1
UNC-Chapel Hill	46.6	5.4	2.8	0.7	1.8
UNC-Chapel Hill Hlth Aff.	0.3	2.1	0.3	2.1	1.9
Subtotal Percentage	32.3	4.7	1.8	1.3	2.5
Doctoral Universities: High Research Activity					
East Carolina	46.2	7.2	2.8	1.6	1.2
East Carolina Hlth Aff.	0.1	2.7	2.9	0.0	0.1
N.C. A&T	34.5	11.6	1.4	0.9	0.3
UNC Charlotte	50.1	4.5	1.5	0.0	1.6
UNC Greensboro	51.4	7.4	2.2	1.5	0.5
UNC Wilmington	59.2	4.0	0.7	1.7	0.8
Subtotal Percentage	45.7	6.3	1.9	1.0	0.9
Doctoral/Professional Universities					
Western Carolina	46.8	7.2	2.7	4.0	2.2
Winston-Salem	54.1	7.0	1.7	0.7	2.5
Subtotal Percentage	49.5	7.1	2.4	2.7	2.3
Master's Colleges & Universities: Larger/Medium Programs					
Appalachian	54.7	4.5	1.8	0.4	0.8
Fayetteville	41.1	4.6	1.4	1.3	11.3
NCCU	40.2	5.6	0.7	1.2	5.7
UNC Pembroke	54.8	6.6	2.8	0.0	0.0
Subtotal Percentage	49.9	5.1	1.7	0.6	3.1
Baccalaureate Colleges: Arts & Sciences Focus					
UNC Asheville	55.0	4.8	4.4	1.1	0.0
Subtotal Percentage	55.0	4.8	4.4	1.1	0.0
Baccalaureate Colleges: Diverse Fields					
Elizabeth City	44.4	5.9	1.0	0.0	6.4
Subtotal Percentage	44.4	5.9	1.0	0.0	6.4
Schools of Art, Music, & Design					
UNC School of the Arts	29.6	10.9	2.6	0.3	5.4
Subtotal Percentage	29.6	10.9	2.6	0.3	5.4
Teaching Hospitals					
UNC Hospitals	0.0	10.8	1.8	1.0	3.1
Subtotal Percentage	0.0	10.8	1.8	1.0	3.1
Grand Total Percentage	40.0	5.8	1.9	1.1	2.1

Table 14a: Instruction, Research, and Public Service Subprograms

Table 14a indicates the percentages of institutional square footage under the Instruction, Research, and Public Service Subprograms.

The definitions of these subprograms follow. Subprograms that are described but which are not included in Table 14a, had no square footage assigned to them by institutions.

- 11 General Academic Instruction.** This subprogram includes instructional offerings intended both to prepare learners, in a generalized sense, to function in several different occupations and to prepare them for further academic study. Instructional offerings of this general academic nature are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.
- 12 Vocational/Technical Instruction.** This subprogram includes instructional offerings intended to prepare learners for immediate entry into a specific occupation or career. Instructional offerings are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.
- 13 Requisite Preparatory/Remedial Instruction.** This category includes instructional offerings carried out to provide the learner with the skills or knowledge required by the institution to undertake course work leading to a postsecondary degree or certificate.
- 14 General Studies.** This subprogram includes instructional offerings that are not part of one of the institution's formal postsecondary degree or certificate programs and that are intended to provide the learner with knowledge, skills, and attitudes typically associated with an academic discipline (such as literature, mathematics, philosophy).
- 15 Occupational-Related Instruction.** This subprogram includes instructional offerings that are not carried out as part of a formal certificate or degree program but that are offered to provide the learner with knowledge, skills, and background related to a specific occupation or career.
- 16 Social Roles/Interaction Instruction.** This subprogram includes instructional offerings that are not carried out as part of a certificate or degree program but that are offered to provide the learner with knowledge, skills, and background needed to function as a member of society or to interact with the variety of social institutions. It also includes offerings that deal with the person as a member of a particular social organization or institution.
- 17 Home and Family Life Instruction.** This subprogram includes instructional offerings that are not offered as part of a certificate or degree program, but which are carried out to provide the learner with knowledge, skills, and capabilities related to the establishment, maintenance, and improvement of a home; to the carrying out of those functions typically associated with the conduct of a household; or to the person's responsibilities as a member of the family unit.
- 18 Personal Interest and Leisure Instruction.** This subprogram includes those instructional activities that are not offered as part of a certificate or degree program, but which are carried out to support an individual's recreational or vocational pursuits or to improve his or her day-to-day living skills.
- 21 Institutes and Research Centers.** This subprogram includes all research activities conducted within the framework of a formal research organization except for those conducted under federally funded research centers. (There are no federally funded research centers in North Carolina.)
- 22 Individual or Project Research.** This subprogram includes research activities that normally are managed within the academic departments. Such research activities usually have a stated goal or purpose, have projected outcomes, and generally are created for specific time periods because of a contract, grant, or specific time allocation of institutional resources. Research that is carried out as an instructional activity, however, is classified under the appropriate Instructional Subprogram.

- 31 Direct Patient Care.** This subprogram includes activities carried out for the specific purpose of providing direct patient care (prevention, diagnosis, treatment, education, rehabilitation, and so forth). These services are typically rendered under the auspices of a teaching hospital or health-sciences center and are provided for the benefit of a clientele in the community-at-large rather than for the institution's own student body or faculty and staff.
- 32 Health Care Supportive Services.** This subprogram includes activities that are unique to a teaching hospital, health science center, or clinic and that directly support the provision of health care, but which cannot themselves legitimately be considered part of the provision of direct patient care.
- 33 Community Services.** This subprogram consists of resources, services, and expertise made available to persons and groups outside of the context of the institution's regular instruction, research, and support programs that are not included in the other Public Service Subprograms (i.e., 31, 32, 34, and 35). Activities within this subprogram differ from those under Cooperative Extension Services (34) in that they are generally sponsored and controlled by the institution; extension services usually involve a sharing of programmatic and fiscal control with an outside agency.
- 34 Cooperative Extension Services.** This subprogram includes activities that make resources, services, and expertise available outside the instruction, research, and support programs and that are conducted as cooperative efforts with outside agencies. A distinguishing feature of the activities included in this subprogram is that programmatic and fiscal control is usually shared with one or more external agencies or governmental units.
- 35 Public Broadcasting Services.** This subprogram includes the operation and maintenance of broadcasting services that are operated outside the context of the institution's instruction, research, and support programs. Excluded from this category are broadcasting services that are conducted primarily in support of instruction, broadcasting services that are primarily operated as a student-broadcasting club, and broadcasting activities that are independent operations.

Table 14a. Instruction, Research, and Public Service Programs

Institution	General Academic Instruction 11	Vocational Technical Instruction 12	Preparatory Remedial Instruction 13	General Studies 14	Occupational Related Instruction 15	Social Roles Instruction 16	Home & Family Life 17
Doctoral Universities: Very High Research Activity							
NC State	19.1	0.0	0.0	0.2	0.0	0.0	0.0
NC State Veterinary Med	20.9	0.0	0.0	0.0	0.0	0.0	0.0
UNC-Chapel Hill	23.5	0.0	0.0	0.5	0.3	0.0	0.0
UNC-Chapel Hill Hlth Aff.	23.8	0.0	0.0	0.2	0.1	0.0	0.0
Subtotal Percentage	21.4	0.0	0.0	0.3	0.1	0.0	0.0
Doctoral Universities: High Research Activity							
East Carolina	31.0	0.0	0.0	0.0	0.0	0.0	0.0
East Carolina Hlth Aff.	22.7	0.0	0.0	0.0	0.1	0.0	0.0
N.C. A&T	29.3	0.0	0.0	0.0	0.0	0.0	0.0
UNC Charlotte	22.5	0.0	0.0	0.0	0.0	0.0	0.0
UNC Greensboro	22.1	0.0	0.0	0.0	0.0	0.0	0.0
UNC Wilmington	19.6	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal Percentage	24.5	0.0	0.0	0.0	0.0	0.0	0.0
Doctoral/Professional Universities							
Western Carolina	25.8	0.0	0.1	0.1	0.0	0.0	0.0
Winston-Salem	23.9	0.0	0.2	0.0	0.0	0.0	0.0
Subtotal Percentage	25.1	0.0	0.1	0.0	0.0	0.0	0.0
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	32.9	0.0	0.0	0.1	0.0	0.0	0.0
Fayetteville	28.4	0.0	0.0	0.3	0.0	0.0	0.0
NCCU	38.1	0.0	0.0	0.0	0.0	0.0	0.0
UNC Pembroke	23.2	0.0	0.5	0.5	0.8	0.0	0.0
Subtotal Percentage	31.5	0.0	0.1	0.2	0.2	0.0	0.0
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	24.3	0.0	0.0	0.3	0.0	0.0	0.0
Subtotal Percentage	24.3	0.0	0.0	0.3	0.0	0.0	0.0
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	31.3	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal Percentage	31.3	0.0	0.0	0.0	0.0	0.0	0.0
Schools of Art, Music, & Design							
UNC School of the Arts	40.3	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal Percentage	40.3	0.0	0.0	0.0	0.0	0.0	0.0
Teaching Hospitals							
UNC Hospitals	0.5	0.0	0.0	0.5	0.0	0.0	0.0
Subtotal Percentage	0.5	0.0	0.0	0.5	0.0	0.0	0.0
Grand Total Percentage	24.0	0.0	0.02	0.2	0.1	0.0	0.0

Table 14a. (Continued) Instruction, Research, and Public Service Programs

Institution	Personal Leisure Instruction 18	Institutes & Research Centers 21	Individual or Project Research 22	Direct Patient Care 31	Health Care Services 32	Community Services 33	Cooperative Extension Services 34	Public Broad- casting Services 35
Doctoral Universities: Very High Research Activity								
NC State	0.0	7.6	20.6	0.0	0.0	1.9	3.3	0.0
NC State Veterinary Med	0.0	0.0	34.8	16.7	11.7	0.0	0.1	0.0
UNC-Chapel Hill	0.0	0.6	6.9	0.0	0.1	0.4	0.0	0.1
UNC-Chapel Hill Hlth Aff.	0.0	2.3	47.8	4.7	5.5	0.5	0.0	0.0
Subtotal Percentage	0.0	4.1	19.2	1.0	1.0	1.1	1.6	0.0
Doctoral Universities: High Research Activity								
East Carolina	0.0	0.6	3.2	0.0	0.1	0.1	0.0	0.1
East Carolina Hlth Aff.	0.0	0.6	17.3	27.4	17.3	0.6	0.0	0.0
N.C. A&T	0.0	2.4	5.5	0.0	0.0	0.3	0.7	0.1
UNC Charlotte	0.0	2.3	5.7	0.0	0.0	1.5	0.0	0.0
UNC Greensboro	0.0	0.0	6.2	0.1	0.0	0.1	0.0	0.0
UNC Wilmington	0.0	4.0	0.3	0.0	0.4	0.8	0.0	0.0
Subtotal Percentage	0.0	1.7	5.2	1.8	1.2	0.6	0.1	0.0
Doctoral/Professional Universities								
Western Carolina	0.1	0.7	0.5	0.0	0.0	0.4	0.0	0.0
Winston-Salem	0.0	0.7	1.5	0.0	0.0	0.3	0.0	0.0
Subtotal Percentage	0.0	0.7	0.9	0.0	0.0	0.3	0.0	0.0
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	0.0	0.7	0.4	0.4	0.0	2.2	0.0	0.0
Fayetteville	0.0	0.0	1.0	0.0	0.0	0.1	0.0	0.0
NCCU	0.0	1.4	1.0	0.0	0.0	0.2	0.0	0.4
UNC Pembroke	0.0	0.5	0.0	0.0	0.0	0.6	0.0	0.0
Subtotal Percentage	0.0	0.7	0.6	0.2	0.0	1.2	0.0	0.1
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	0.1	0.3	1.1	0.0	0.0	1.1	0.0	0.0
Subtotal Percentage	0.1	0.3	1.1	0.0	0.0	1.1	0.0	0.0
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	0.0	0.0	0.3	0.0	0.0	1.8	0.0	0.3
Subtotal Percentage	0.0	0.0	0.3	0.0	0.0	1.8	0.0	0.3
Schools of Art, Music, & Design								
UNC School of the Arts	0.0	0.4	0.0	0.0	0.0	2.9	0.0	0.0
Subtotal Percentage	0.0	0.4	0.0	0.0	0.0	2.9	0.0	0.0
Teaching Hospitals								
UNC Hospitals	0.0	0.0	0.5	33.4	48.4	0.0	0.0	0.0
Subtotal Percentage	0.0	0.0	0.5	33.4	48.4	0.0	0.0	0.0
Grand Total Percentage	0.004	2.3	9.4	1.9	2.1	0.9	0.6	0.05

Table 14b: Academic Support Subprograms

Table 14b indicates the percentages of institutional square footage under each of the Academic Support Subprograms. The definitions of these subprograms follow. Subprograms that are described but which are not included in Table 14b had no square footage assigned to them by institutions.

- 41 Library Services.** This subprogram includes activities that directly support the collection, cataloging, storage, and distribution of published materials in support of one or more of the institution's primary programs. This subprogram applies only to library services that are separately funded; departmental libraries are included under the appropriate instruction subprogram.
- 42 Museums and Galleries.** This subprogram includes activities related to the collection, preservation, and exhibition of historical materials, art objects, scientific displays, and so forth that support one or more of the institution's primary programs. This subprogram applies only to museums and galleries that are separately funded. Departmental exhibit areas are included under the appropriate Instruction Subprogram.
- 43 Educational Media Services.** This subprogram includes audio, visual, and other technological services that have been established to provide direct support for the institution's instruction, research, and public service programs.
- 44 Academic Computer Support.** This subprogram includes computer services that have been established to provide direct support for one or more of the institution's primary programs. It does not include administrative data processing services and computing support.
- 45 Ancillary Support.** This subprogram includes activities that directly contribute to the way in which instruction is delivered or research is conducted but that cannot be appropriately classified as educational media services or academic computing support.
- 46 Academic Administration.** This subprogram consists of activities that provide administrative and management support specifically for the institution's academic programs. It includes the activities of the college deans, the administrative activities of departmental chairpersons, and the activities of their associated support staff, but it does not include the activities of those whose responsibilities are institution-wide and involve duties outside of the academic realm.
- 47 Course and Curriculum Development.** This subprogram includes only those formal planning and development activities established either to improve or to add to the institution's curriculum. Those activities that individual faculty members carry out to update and improve their current course offerings are included under the appropriate Instruction Subprogram.
- 48 Academic Personnel Development.** This subprogram includes activities that provide the faculty with opportunities for personal and professional growth and development, as well as those activities intended to evaluate and reward the professional performance of the faculty.

Table 14b. Academic Support Programs

Institution	Library Services 41	Museums & Galleries 42	Educational & Media Services 43	Academic Computing Support 44	Ancillary Support 45	Academic Admin. 46	Course & Curriculum Dev. 47	Academic Personnel Dev. 48
Doctoral Universities: Very High Research Activity								
NC State	3.4	0.2	0.5	1.0	0.0	0.5	0.0	0.0
NC State Veterinary Med	2.6	0.0	0.3	0.6	0.0	3.7	0.0	0.0
UNC-Chapel Hill	8.1	0.5	0.1	0.4	0.1	1.3	0.0	0.2
UNC-Chapel Hill Hlth Aff.	2.2	0.0	0.0	0.1	1.1	4.4	0.0	0.0
Subtotal Percentage	5.0	0.3	0.2	0.6	0.2	1.4	0.0	0.1
Doctoral Universities: High Research Activity								
East Carolina	5.1	0.2	0.1	0.1	0.3	0.6	0.0	0.0
East Carolina Hlth Aff.	6.0	0.2	0.2	0.0	0.0	2.0	0.0	0.0
N.C. A&T	5.0	0.7	0.1	0.2	3.8	3.3	0.0	0.0
UNC Charlotte	4.8	0.2	0.2	0.4	0.0	4.6	0.0	0.0
UNC Greensboro	3.5	0.7	0.3	0.1	0.4	3.5	0.0	0.0
UNC Wilmington	3.5	0.2	0.1	0.4	0.0	4.2	0.0	0.0
Subtotal Percentage	4.5	0.4	0.2	0.2	0.7	3.2	0.0	0.0
Doctoral/Professional Universities								
Western Carolina	5.6	0.5	0.0	0.1	0.6	2.7	0.0	0.2
Winston-Salem	3.4	0.9	0.2	0.4	0.1	2.5	0.0	0.0
Subtotal Percentage	4.8	0.7	0.1	0.2	0.4	2.6	0.0	0.1
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	3.5	0.0	0.0	0.4	0.3	1.1	0.1	0.0
Fayetteville	7.2	0.0	0.5	0.7	0.7	1.4	0.0	0.0
NCCU	4.5	0.3	0.1	0.4	0.6	1.9	0.0	0.2
UNC Pembroke	2.6	0.8	0.5	0.2	0.9	4.7	0.0	0.0
Subtotal Percentage	4.1	0.2	0.2	0.4	0.5	2.0	0.0	0.0
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	6.8	0.0	0.6	0.7	0.5	0.2	0.0	0.1
Subtotal Percentage	6.8	0.0	0.6	0.7	0.5	0.2	0.0	0.1
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	4.1	0.1	0.0	0.4	0.4	0.3	0.0	0.0
Subtotal Percentage	4.1	0.1	0.0	0.4	0.4	0.3	0.0	0.0
Schools of Art, Music, & Design								
UNC School of the Arts	6.5	0.1	0.0	0.0	0.1	1.0	0.0	0.0
Subtotal Percentage	6.5	0.1	0.0	0.0	0.1	1.0	0.0	0.0
Teaching Hospitals								
UNC Hospitals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal Percentage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total Percentage	4.6	0.3	0.2	0.4	0.4	2.1	0.01	0.05

Table 14c: Student Service and Physical Plant Operations Subprograms

Table 14c indicates the percentages of institutional square footage under the Student Service and Physical Plant Operations Subprograms.

The definitions of these subprograms follow. Subprograms that are described but which are not included in Table 14c, had no square footage assigned to them by institutions.

- 51 Student Service Administration.** This subprogram includes administrative activities that aid and support (excluding academic support) to the needs and interests of students.
- 52 Social and Cultural Development.** This subprogram includes activities established to provide for the social and cultural development of the student outside of the formal academic program. It includes activities primarily supported and controlled by the student body, those cultural activities provided outside the student's educational experience, and general recreation activities for the student body.
- 53 Counseling and Career Guidance.** This subprogram includes formal placement, career guidance, and personal counseling services provided for the benefit of students. Excluded are psychiatric and psychological counseling services that are carried out as part of the student health program.
- 54 Financial Aid Administration.** This subprogram includes administrative activities carried out in support of the institution's financial aid program.
- 55 Student Auxiliary Services.** This subprogram includes conveniences and services needed to maintain an on-campus, resident student body. A fee, which is related to but not necessarily equal to the cost of the service rendered, is often charged for these services.
- 56 Intercollegiate Athletics.** This subprogram includes team and individual sports activities that involve competition between two or more educational institutions.
- 57 Student Health/Medical Services.** This subprogram includes activities carried out for the specific purpose of providing health and medical services for the student body. Generally, the activities included here are associated with a student infirmary rather than a teaching hospital. Health and medical services provided for the institution's faculty and staff are also included in this subprogram.
- 71 Physical Plant Administration.** This subprogram consists of administrative activities carried out in direct support of the institution's physical plant operations. Those activities related to the development of plans for plant expansion or modification, as well as for new construction, are also included.
- 72 Building Maintenance.** This subprogram consists of activities related to routine repair and maintenance of buildings and structures, including both normally recurring repairs and preventive maintenance.
- 73 Custodial Services.** This subprogram consists of activities related to custodial services in institutional buildings.
- 74 Utilities.** This subprogram consists of activities related to heating, cooling, light and power, gas, water, and any other utilities necessary for the operation of the physical plant.
- 75 Landscape and Ground Maintenance.** This subprogram consists of activities related to the operation and maintenance of campus landscape and grounds.
- 76 Major Repairs and Renovations.** This subprogram consists of activities related to major repairs, maintenance, and renovation projects. Major projects are generally defined by each institution. Expenditures that are at least 25% of a building's estimated replacement cost should be considered major.

Table 14c. Student Service and Physical Plant Operations Subprograms

Institution	Student Svcs Admin 51	Social & Cultural Dev. 52	Couns / Career Guid. 53	Finan. Aid Admin. 54	Student Aux. Svcs 55	Inter- coll Athl. 56
Doctoral Universities: Very High Research Activity						
NC State	0.2	2.5	0.2	0.1	22.2	5.0
NC State Veterinary Med	0.0	0.0	0.0	0.0	1.4	0.0
UNC-Chapel Hill	0.5	2.8	0.3	0.1	32.6	9.7
UNC-Chapel Hill Hlth Aff.	0.1	0.0	0.0	0.0	0.2	0.0
Subtotal Percentage	0.3	2.2	0.2	0.1	22.9	6.0
Doctoral Universities: High Research Activity						
East Carolina	1.6	8.3	0.1	0.1	29.7	6.0
East Carolina Hlth Aff.	0.0	0.0	0.0	0.0	0.1	0.0
N.C. A&T	0.3	4.4	0.5	0.3	24.8	3.5
UNC Charlotte	0.8	8.4	0.4	0.1	37.5	2.4
UNC Greensboro	0.1	5.0	0.3	0.1	42.6	2.7
UNC Wilmington	0.7	6.8	0.1	0.0	46.6	4.4
Subtotal Percentage	0.7	6.3	0.3	0.1	34.3	3.5
Doctoral/Professional Universities						
Western Carolina	0.5	9.8	0.2	0.2	32.7	3.1
Winston-Salem	1.4	7.6	0.3	0.1	41.1	3.1
Subtotal Percentage	0.8	8.9	0.2	0.2	35.9	3.1
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	0.1	9.4	0.3	0.2	38.7	5.5
Fayetteville	0.7	6.8	0.5	0.0	29.3	3.3
NCCU	0.6	5.9	0.8	0.3	29.6	2.7
UNC Pembroke	1.3	4.2	0.0	0.2	46.0	2.7
Subtotal Percentage	0.5	7.4	0.4	0.2	36.8	4.1
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	0.2	9.9	0.3	0.2	36.8	6.9
Subtotal Percentage	0.2	9.9	0.3	0.2	36.8	6.9
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	0.8	5.6	0.5	0.2	35.0	1.9
Subtotal Percentage	0.8	5.6	0.5	0.2	35.0	1.9
Schools of Art, Music, & Design						
UNC School of the Arts	0.0	8.5	0.2	0.3	20.0	0.0
Subtotal Percentage	0.0	8.5	0.2	0.3	20.0	0.0
Teaching Hospitals						
UNC Hospitals	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal Percentage	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total Percentage	0.5	5.0	0.2	0.1	29.3	4.4

Table 14c. (Continued) Student Service & Physical Plant Operations Subprograms

Institution	Student Hlth/Med Svc. 57	Phys. Plant Admin. 71	Bldg. Maint. 72	Cust'l Svcs. 73	Utilities 74	Landscp Grounds Maint. 75
Doctoral Universities: Very High Research Activity						
NC State	0.5	0.1	0.2	0.1	0.3	0.5
NC State Veterinary Med	0.0	0.0	2.0	0.2	0.8	1.1
UNC-Chapel Hill	0.5	0.2	0.6	0.2	1.0	0.5
UNC-Chapel Hill Hlth Aff.	0.0	0.0	0.0	0.1	0.0	0.0
Subtotal Percentage	0.4	0.1	0.4	0.2	0.5	0.5
Doctoral Universities: High Research Activity						
East Carolina	0.4	0.3	1.7	0.1	0.0	0.4
East Carolina Hlth Aff.	0.0	0.0	0.7	0.1	1.7	0.4
N.C. A&T	0.8	0.3	0.8	0.0	0.2	0.0
UNC Charlotte	0.5	0.2	1.2	0.1	0.0	0.0
UNC Greensboro	0.7	0.1	0.7	0.0	0.8	0.4
UNC Wilmington	0.5	0.3	0.2	0.1	0.1	0.0
Subtotal Percentage	0.5	0.2	1.0	0.1	0.3	0.2
Doctoral/Professional Universities						
Western Carolina	0.4	2.2	0.4	0.0	0.1	0.1
Winston-Salem	0.4	0.9	0.3	0.3	0.1	0.1
Subtotal Percentage	0.4	1.7	0.3	0.1	0.1	0.1
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	0.4	0.4	0.8	0.2	0.3	0.0
Fayetteville	0.5	0.3	0.2	0.1	0.2	0.5
NCCU	0.3	0.2	0.3	0.0	0.0	0.1
UNC Pembroke	0.4	1.5	0.6	0.1	0.1	0.5
Subtotal Percentage	0.4	0.6	0.6	0.1	0.2	0.2
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	0.6	0.0	2.0	0.2	2.1	0.0
Subtotal Percentage	0.6	0.0	2.0	0.2	2.1	0.0
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	0.4	0.5	0.4	0.0	0.1	0.0
Subtotal Percentage	0.4	0.5	0.4	0.0	0.1	0.0
Schools of Art, Music, & Design						
UNC School of the Arts	0.5	0.5	1.1	0.2	0.0	0.7
Subtotal Percentage	0.5	0.5	1.1	0.2	0.0	0.7
Teaching Hospitals						
UNC Hospitals	0.0	0.0	1.4	0.5	0.0	0.0
Subtotal Percentage	0.0	0.0	1.4	0.5	0.0	0.0
Grand Total Percentage	0.4	0.3	0.7	0.1	0.4	0.3

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Table 14d: Institutional Administration, Independent Operations, & Unassigned Programs

Table 14d indicates the percentages of institutional square footage under the Institutional Administration, Independent Operations, and Unassigned Subprograms. The definitions of these subprograms follow.

- 61 Executive Management.** This subprogram consists of executive-level activities concerned with the overall management of and long-range planning for the entire institution. Included are the activities of the various administrators involved in policy formulation and executive direction, including those of the governing board, the chief executive officer, and the senior executive officers.
- 62 Financial Management and Operations.** This subprogram consists of activities related to the day-to-day financial management and fiscal operations of the institution.
- 63 General Administration and Logistical Services.** This subprogram consists of activities related to the general administrative operations and services of the institution except for those activities related to financial operations, to administrative data processing, and to student records.
- 64 Administrative Computing Support.** This subprogram includes computer and data processing services that have been established to provide support for institution-wide administrative functions.
- 65 Faculty and Staff Auxiliary Services.** This subprogram includes support services that have been established primarily to serve the faculty and staff. A fee, which is related to but not necessarily equal to the cost of the service rendered, is often charged for these services.
- 66 Public Relations/Development.** This subprogram consists of institutional activities established to maintain relations with the local community, the institution's alumni, governmental entities, and the public in general, as well as those activities carried out to support institution-wide fund raising and development efforts.
- 67 Student Recruitment and Admissions.** This subprogram consists of activities carried out by an institution that are related to the identification of prospective students, the promotion of attendance at the institution, and the processing of applications for admission to the institution.
- 68 Student Records.** This subprogram includes activities the institution carries out to maintain, handle, and update records for currently enrolled students as well as for those who were previously enrolled.
- 91 Independent Operations/Institutional.** This subprogram includes operations that are owned or controlled by the institution but that are unrelated to or independent of the institution's mission. Excluded are those operations managed as investments of the institution's endowment funds.
- 92 Independent Operations/External Agencies.** This subprogram includes activities that are controlled or operated by outside agencies, but that are housed or otherwise supported in some way by the institution.
- 01 Capable of Use.** This subprogram is limited to rooms that are not in use but are capable of use at the time of the inventory.
- 02 Incapable of Use.** This subprogram is limited to rooms that are not in use at the time of the inventory since these are incapable of use. Included are rooms that are under or in need of alteration or renovation and rooms that have been declared structurally unsafe.

Subprogram 03 (Building Service) is not included in this table (and is not considered as part of Program 00 in Table 14) since it applies to Nonassignable area only.

**Table 14d. Institutional Administration, Independent Operations,
& Unassigned Subprograms**

Institution	Institutional Administration							
	Exec. Mgmt 61	Fin. Mgmt 62	Gen Ad Log Svc 63	Admin Comp 64	Fac/Stf Aux. Svcs 65	P.R. Devel. 66	Stud't Admiss 67	Stud't Records 68
Doctoral Universities: Very High Research Activity								
NC State	0.3	0.2	2.2	0.6	0.8	0.7	0.3	0.0
NC State Veterinary Med	0.0	0.5	0.3	0.0	0.2	0.0	0.0	0.0
UNC-Chapel Hill	0.3	0.5	2.1	1.3	0.3	0.8	0.2	0.0
UNC-Chapel Hill Hlth Aff.	0.0	0.8	1.2	0.1	0.1	0.0	0.0	0.0
Subtotal Percentage	0.3	0.4	2.0	0.8	0.5	0.6	0.2	0.0
Doctoral Universities: High Research Activity								
East Carolina	1.5	2.2	1.9	0.8	0.3	0.3	0.1	0.1
East Carolina Hlth Aff.	0.0	1.4	0.1	0.5	0.0	0.5	0.0	0.0
N.C. A&T	0.5	0.5	8.7	0.8	0.4	0.4	0.2	0.1
UNC Charlotte	0.3	0.4	1.6	0.6	0.4	0.8	0.3	0.1
UNC Greensboro	0.4	0.3	3.8	0.8	0.8	0.9	0.2	0.1
UNC Wilmington	0.4	0.1	2.0	0.6	0.1	0.3	0.3	0.3
Subtotal Percentage	0.6	0.8	3.0	0.7	0.4	0.6	0.2	0.1
Doctoral/Professional Universities								
Western Carolina	0.5	0.4	1.0	0.9	3.0	0.9	0.3	0.2
Winston-Salem	0.7	1.0	2.3	0.5	1.7	0.5	0.2	0.1
Subtotal Percentage	0.6	0.7	1.4	0.7	2.5	0.7	0.3	0.2
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	0.3	0.4	2.1	0.3	0.4	0.6	0.3	0.2
Fayetteville	1.0	0.8	1.4	0.1	0.8	0.3	0.1	0.1
NCCU	0.7	0.4	2.4	0.7	0.7	0.4	0.1	0.1
UNC Pembroke	0.4	1.3	1.6	0.8	1.5	0.4	0.5	0.1
Subtotal Percentage	0.5	0.6	2.0	0.5	0.7	0.5	0.2	0.2
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	1.3	0.5	0.8	0.0	0.9	0.7	0.5	0.1
Subtotal Percentage	1.3	0.5	0.8	0.0	0.9	0.7	0.5	0.1
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	0.8	0.6	1.4	1.0	1.7	0.2	0.2	0.2
Subtotal Percentage	0.8	0.6	1.4	1.0	1.7	0.2	0.2	0.2
Schools of Art, Music, & Design								
UNC School of the Arts	0.9	0.2	6.1	0.4	1.7	1.2	0.3	0.3
Subtotal Percentage	0.9	0.2	6.1	0.4	1.7	1.2	0.3	0.3
Teaching Hospitals								
UNC Hospitals	0.6	3.7	4.3	1.6	0.5	0.1	0.0	0.0
Subtotal Percentage	0.6	3.7	4.3	1.6	0.5	0.1	0.0	0.0
Grand Total Percentage	0.5	0.7	2.4	0.7	0.7	0.6	0.2	0.1

**Table 14d. (Continued) Institutional Administration,
Independent Operations, & Unassigned Subprograms**

Institution	Ind. Operations		Unassigned	
	Inst. 91	Ext. Agency 92	Usable 01	Unusable 02
Doctoral Universities: Very High Research Activity				
NC State	0.0	1.5	0.4	3.0
NC State Veterinary Med	0.0	0.7	1.1	0.0
UNC-Chapel Hill	0.3	0.5	0.7	1.1
UNC-Chapel Hill Hlth Aff.	1.0	1.1	1.4	0.5
Subtotal Percentage	0.2	1.0	0.6	1.9
Doctoral Universities: High Research Activity				
East Carolina	0.0	1.6	0.0	1.2
East Carolina Hlth Aff.	0.0	0.0	0.0	0.0
N.C. A&T	0.4	0.5	0.1	0.2
UNC Charlotte	0.0	0.0	1.0	0.6
UNC Greensboro	0.0	1.5	0.0	0.5
UNC Wilmington	0.5	1.3	0.2	0.6
Subtotal Percentage	0.1	0.9	0.3	0.6
Doctoral/Professional Universities				
Western Carolina	0.2	3.8	0.1	2.0
Winston-Salem	0.5	0.2	2.1	0.4
Subtotal Percentage	0.3	2.4	0.9	1.4
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	0.2	0.2	0.6	0.3
Fayetteville	0.3	1.0	4.6	6.7
NCCU	0.1	1.1	1.3	4.4
UNC Pembroke	0.0	0.0	0.0	0.0
Subtotal Percentage	0.1	0.5	1.1	2.0
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	0.0	1.1	0.0	0.0
Subtotal Percentage	0.0	1.1	0.0	0.0
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	0.0	0.0	4.3	2.1
Subtotal Percentage	0.0	0.0	4.3	2.1
Schools of Art, Music, & Design				
UNC School of the Arts	0.3	0.0	3.1	2.2
Subtotal Percentage	0.3	0.0	3.1	2.2
Teaching Hospitals				
UNC Hospitals	0.0	1.0	0.7	2.3
Subtotal Percentage	0.0	1.0	0.7	2.3
Grand Total Percentage	0.2	1.0	0.7	1.4

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Table 15: Assignable Area by Room Code

Just as all assignable space can be categorized by program (Table 14), it can also be classified by use of the room. A system of codes has been developed that includes virtually all types of rooms, in terms of specific use, which can be found at a college or university. The Room Use Code Structure is summarized on pages 61-62; specific definitions can be found in the Higher Education Facilities Commission's Facilities Inventory and Utilization Manual (7th edition). This updated manual incorporates the codes and definitions presented in the 2006 national Postsecondary Education Facilities Inventory and Classification Manual.

Table 15 provides percentage distributions among the ten major room use code divisions. In theory, the sums of the percentages should always equal to 100.0, but they do not for some institutions due to rounding.

The chart below identifies the utilization of assignable space for 2022 by Room Use Code. Room Use Code definitions are found beginning on page 61.

Room Use Codes	All UNC Institutions 2022 (%)
Classroom (100)	4.7%
Laboratory (200)	13.3%
Office (300)	21.9%
Study (400)	5.1%
Special Use (500)	10.8%
General Use (600)	10.6%
Support (700)	4.5%
Health Care (800)	2.7%
Residential (900)	24.3%
Unclassified (000)	2.0%

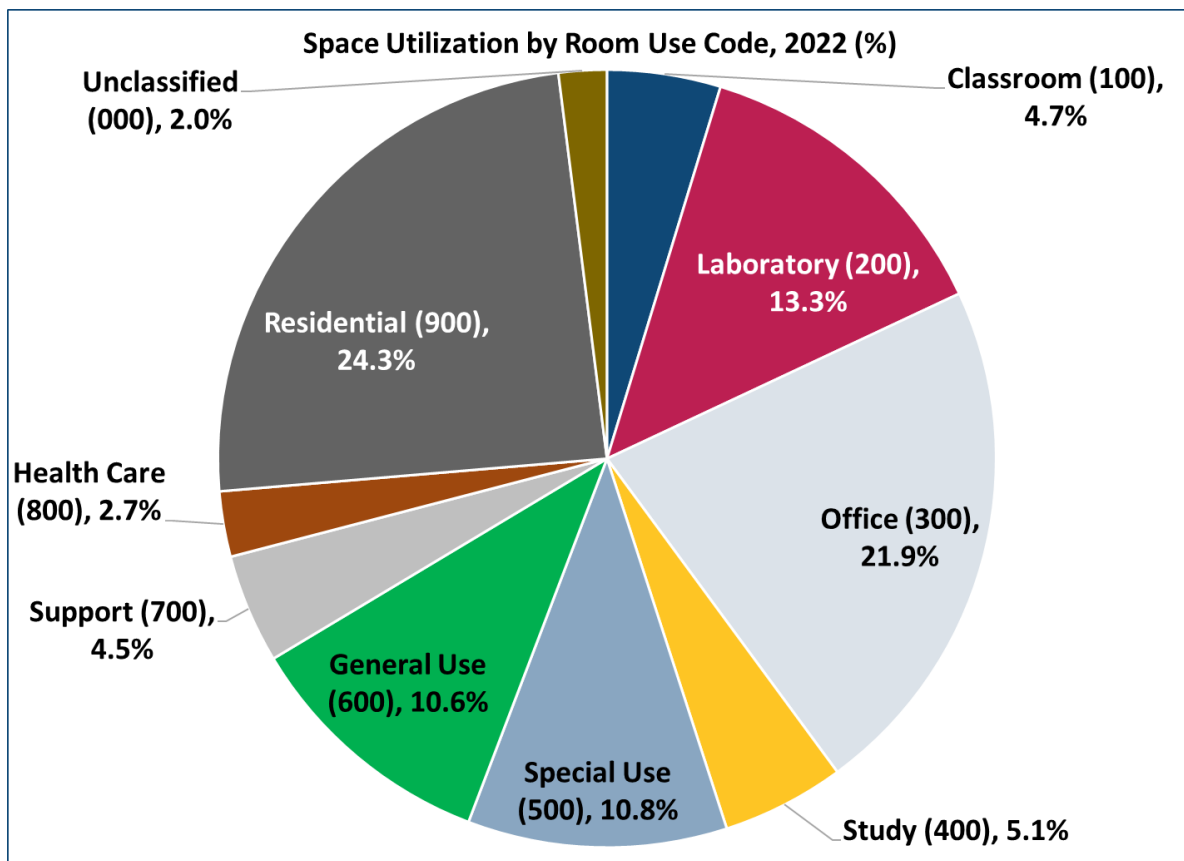


Table 15. Assignable Area by Room Codes

	Total Assignable Area	Classroom Facilities 100		Laboratory Facilities 200		Office Facilities 300		Study Facilities 400	
Institution		ASF	%	ASF	%	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity									
NC State	9,383,128	261,134	2.8	1,683,175	17.9	1,949,463	20.8	367,001	3.9
NC State Veterinary Med	460,830	7,757	1.7	102,241	22.2	97,033	21.1	10,739	2.3
UNC-Chapel Hill	7,661,139	277,721	3.6	616,543	8.0	1,694,219	22.1	619,427	8.1
UNC-Chapel Hill Hlth Aff.	2,562,796	90,120	3.5	821,474	32.1	1,048,940	40.9	51,758	2.0
Subtotal	20,067,893	636,732		3,223,433		4,789,655		1,048,925	
Subtotal Percentage			3.2		16.1		23.9		5.2
Doctoral Universities: High Research Activity									
East Carolina	3,445,250	170,237	4.9	442,035	12.8	810,736	23.5	190,996	5.5
East Carolina Hlth Aff.	1,154,121	43,915	3.8	193,717	16.8	450,346	39.0	74,696	6.5
N.C. A&T	2,302,589	143,568	6.2	363,663	15.8	466,107	20.2	137,842	6.0
UNC Charlotte	4,127,661	251,325	6.1	590,071	14.3	961,622	23.3	231,696	5.6
UNC Greensboro	3,503,315	159,804	4.6	426,608	12.2	658,136	18.8	139,050	4.0
UNC Wilmington	2,887,775	160,547	5.6	294,030	10.2	496,874	17.2	126,928	4.4
Subtotal	17,420,711	929,396		2,310,124		3,843,821		901,208	
Subtotal Percentage			5.3		13.3		22.1		5.2
Doctoral/Professional Universities									
Western Carolina	2,121,858	98,352	4.6	227,129	10.7	357,827	16.9	153,515	7.2
Winston-Salem	1,283,686	86,812	6.8	115,958	9.0	232,556	18.1	58,950	4.6
Subtotal	3,405,544	185,164		343,087		590,383		212,465	
Subtotal Percentage			5.4		10.1		17.3		6.2
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	3,278,769	230,686	7.0	328,161	10.0	625,259	19.1	111,315	3.4
Fayetteville	919,639	56,136	6.1	64,095	7.0	202,151	22.0	68,222	7.4
NCCU	1,464,985	125,660	8.6	146,171	10.0	315,016	21.5	103,940	7.1
UNC Pembroke	1,248,150	102,384	8.2	76,913	6.2	213,214	17.1	42,626	3.4
Subtotal	6,911,543	514,866		615,340		1,355,640		326,103	
Subtotal Percentage			7.4		8.9		19.6		4.7
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	964,668	45,238	4.7	115,315	12.0	159,549	16.5	65,555	6.8
Subtotal	964,668	45,238		115,315		159,549		65,555	
Subtotal Percentage			4.7		12.0		16.5		6.8
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	800,719	76,785	9.6	67,582	8.4	115,559	14.4	38,577	4.8
Subtotal	800,719	76,785		67,582		115,559		38,577	
Subtotal Percentage			9.6		8.4		14.4		4.8
Schools of Art, Music, & Design									
UNC School of the Arts	859,402	43,606	5.1	207,507	24.1	108,824	12.7	47,673	5.5
Subtotal	859,402	43,606		207,507		108,824		47,673	
Subtotal Percentage			5.1		24.1		12.7		5.5
Teaching Hospitals									
UNC Hospitals	1,358,303	9,926	0.7	10,829	0.8	371,821	27.4	3,244	0.2
Subtotal	1,358,303	9,926		10,829		371,821		3,244	
Subtotal Percentage			0.7		0.8		27.4		0.2
Grand Total	51,788,783	2,441,713		6,893,217		11,335,252		2,643,750	
Grand Total Percentage			4.7		13.3		21.9		5.1

Table 15. (Continued) Assignable Area by Room Codes

Institution	Special Use Facilities 500		General Use Facilities 600		Support Facilities 700		Health Care Facilities 800	
	ASF	%	ASF	%	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity								
NC State	1,725,632	18.4	776,024	8.3	432,002	4.6	32,528	0.3
NC State Veterinary Med	76,088	16.5	13,242	2.9	28,078	6.1	120,723	26.2
UNC-Chapel Hill	953,949	12.5	883,501	11.5	455,106	5.9	23,037	0.3
UNC-Chapel Hill Hlth Aff.	202,693	7.9	90,724	3.5	34,268	1.3	174,719	6.8
Subtotal	2,958,362		1,763,491		949,454		351,007	
Subtotal Percentage		14.7		8.8		4.7		1.7
Doctoral Universities: High Research Activity								
East Carolina	387,560	11.2	382,942	11.1	184,567	5.4	7,793	0.2
East Carolina Hlth Aff.	113,798	9.9	25,348	2.2	32,538	2.8	219,240	19.0
N.C. A&T	233,917	10.2	300,680	13.1	212,765	9.2	12,809	0.6
UNC Charlotte	226,548	5.5	472,622	11.5	60,297	1.5	7,806	0.2
UNC Greensboro	121,737	3.5	561,711	16.0	273,955	7.8	12,710	0.4
UNC Wilmington	246,684	8.5	263,136	9.1	81,695	2.8	14,837	0.5
Subtotal	1,330,244		2,006,439		845,817		275,195	
Subtotal Percentage		7.6		11.5		4.9		1.6
Doctoral/Professional Universities								
Western Carolina	199,488	9.4	290,847	13.7	66,475	3.1	9,470	0.4
Winston-Salem	101,143	7.9	151,950	11.8	42,997	3.3	4,228	0.3
Subtotal	300,631		442,797		109,472		13,698	
Subtotal Percentage		8.8		13.0		3.2		0.4
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	428,561	13.1	390,935	11.9	114,770	3.5	11,733	0.4
Fayetteville	72,661	7.9	112,872	12.3	19,413	2.1	2,319	0.3
NCCU	125,718	8.6	212,435	14.5	25,663	1.8	2,805	0.2
UNC Pembroke	108,249	8.7	139,347	11.2	56,368	4.5	7,214	0.6
Subtotal	735,189		855,589		216,214		24,071	
Subtotal Percentage		10.6		12.4		3.1		0.3
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	109,357	11.3	129,448	13.4	40,749	4.2	3,088	0.3
Subtotal	109,357		129,448		40,749		3,088	
Subtotal Percentage		11.3		13.4		4.2		0.3
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	91,449	11.4	97,210	12.1	16,998	2.1	1,574	0.2
Subtotal	91,449		97,210		16,998		1,574	
Subtotal Percentage		11.4		12.1		2.1		0.2
Schools of Art, Music, & Design								
UNC School of the Arts	23,768	2.8	136,733	15.9	84,554	9.8	3,073	0.4
Subtotal	23,768		136,733		84,554		3,073	
Subtotal Percentage		2.8		15.9		9.8		0.4
Teaching Hospitals								
UNC Hospitals	32,493	2.4	62,294	4.6	85,493	6.3	736,525	54.2
Subtotal	32,493		62,294		85,493		736,525	
Subtotal Percentage		2.4		4.6		6.3		54.2
Grand Total	5,581,493		5,494,001		2,348,751		1,408,231	
Grand Total Percentage		10.8		10.6		4.5		2.7

Table 15. (Continued) Assignable Area by Room Codes

Institution	Residential Facilities 900		Unclassified Facilities 000	
	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity				
NC State	1,850,229	19.7	305,940	3.3
NC State Veterinary Med	0	0.0	4,929	1.1
UNC-Chapel Hill	2,000,304	26.1	137,332	1.8
UNC-Chapel Hill Hlth Aff.	310	0.0	47,790	1.9
Subtotal	3,850,843		495,991	
Subtotal Percentage		19.2		2.5
Doctoral Universities: High Research Activity				
East Carolina	825,721	24.0	42,663	1.2
East Carolina Hlth Aff.	0	0.0	523	0.0
N.C. A&T	425,339	18.5	5,899	0.3
UNC Charlotte	1,257,777	30.5	67,897	1.6
UNC Greensboro	1,133,013	32.3	16,591	0.5
UNC Wilmington	1,179,330	40.8	23,714	0.8
Subtotal	4,821,180		157,287	
Subtotal Percentage		27.7		0.9
Doctoral/Professional Universities				
Western Carolina	672,319	31.7	46,436	2.2
Winston-Salem	469,099	36.5	19,993	1.6
Subtotal	1,141,418		66,429	
Subtotal Percentage		33.5		2.0
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	1,028,750	31.4	8,599	0.3
Fayetteville	220,894	24.0	100,876	11.0
NCCU	324,984	22.2	82,593	5.6
UNC Pembroke	501,260	40.2	575	0.0
Subtotal	2,075,888		192,643	
Subtotal Percentage		30.0		2.8
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	296,369	30.7	0	0.0
Subtotal	296,369		0	
Subtotal Percentage		30.7		0.0
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	257,534	32.2	37,451	4.7
Subtotal	257,534		37,451	
Subtotal Percentage		32.2		4.7
Schools of Art, Music, & Design				
UNC School of the Arts	159,301	18.5	44,363	5.2
Subtotal	159,301		44,363	
Subtotal Percentage		18.5		5.2
Teaching Hospitals				
UNC Hospitals	3,785	0.3	41,893	3.1
Subtotal	3,785		41,893	
Subtotal Percentage		0.3		3.1
Grand Total	12,606,318		1,036,057	
Grand Total Percentage		24.3		2.0

Room Use Codes

100 Classroom Facilities

110 Classroom

115 Classroom Service

200 Laboratory Facilities

210 Class Laboratory

215 Class Laboratory Service

220 Open Laboratory

225 Open Laboratory Service

250 Research/Nonclass Laboratory

255 Research/Nonclass Laboratory Service

300 Office Facilities

310 Office

315 Office Service

350 Conference Room

355 Conference Room Service

400 Study Facilities

410 Study Room

420 Stack

430 Open-Stack Study Room

440 Processing Room

455 Study Service

500 Special Use Facilities

510 Armory

515 Armory Service

520 Athletic or Physical Education

523 Athletic Facilities Spectator Seating

525 Athletic or Physical Ed. Svc.

530 Media Production

535 Media Production Service

540 Clinic

545 Clinic Service

550 Demonstration

555 Demonstration Service

560 Field Building

570 Animal Quarters

575 Animal Quarters Service

580 Greenhouse

585 Greenhouse Service

590 Other (All Purpose)

600 General Use Facilities

610 Assembly

615 Assembly Service

620 Exhibition

625 Exhibition Service

630 Food Facility

635 Food Facility Service

640 Day Care

645 Day Care Service

650 Lounge

655 Lounge Service

660 Merchandising

665 Merchandising Service

670 Recreation

675 Recreation Service

680 Meeting Room

685 Meeting Room Service

700 Support Facilities

710 Central Computer or Telecommunications

715 Central Computer or Telecommunications Service

720 Shop

725 Shop Service

730 Central Storage

735 Central Storage Service

740 Vehicle Storage

745 Vehicle Storage Service

750 Central Service

755 Central Service Support

760 Hazardous Materials Storage

770 Hazardous Waste Storage

775 Hazardous Waste Storage Svc.

800 Health Care Facilities

810 Patient Bedroom

815 Patient Bedroom Service

820 Patient Bath

830 Nurse Station

835 Nurse Station Service

840 Surgery

845 Surgery Service

850 Treatment/Examination

855 Treatment/Examination Service

860 Diagnostic Service Laboratory

865 Diagnostic Service Laboratory Support

870 Central Supplies

880 Public Waiting

890 Staff On-Call Facility

895 Staff On-Call Facility Service

900 Residential Facilities

910 Sleep/Study without Toilet or Bath

910X Sleep/Study without Toilet or Bath

Designed and Equipped for Mobility Impaired

919 Toilet or Bath

919X Toilet or Bath Designed and Equipped for Mobility Impaired

920 Sleep/Study with Toilet or Bath

920X Sleep/Study with Toilet or Bath Designed and Equipped for Mobility Impaired

935 Sleep/Study Service

950 Apartment

950X Apartment Equipped for Mobility
Impaired

955 Apartment Service

970 House

000 Unclassified Facilities

010 Elevator

011 Men's Toilet Equipped for
Mobility Impaired

012 Women's Toilet Equipped for
Mobility Impaired

013 Unisex Toilet Equipped for
Mobility Impaired

050 Inactive Area

060 Alteration or Conversion Area

070 Unfinished Area

Table 16: Assignable Square Feet Per Student Station for Classrooms

The number of students that a classroom can accommodate is an important factor in determining how efficiently classroom space is used. This can be measured in terms of assignable square feet per student station and the average number of stations per classroom.

The assignable square feet per student station in a classroom is largely determined by the number and type of stations in the room. Generally, rooms with relatively large numbers of stations require less space per station. As for types of stations, tables and chairs require more space per station than standard student desks, which require more space than theater seating. Although the space required per station can vary from less than ten assignable square feet to more than 30, **the University of North Carolina has adopted a standard of 18 square feet per station.**

The Higher Education Facilities Planning and Management Manuals (page 62 of Manual Two) list norms that are based on the number and type of station:

The average number of stations per classroom tends to vary according to the size and instructional philosophy of the institution. Graduate institutions and institutions that rely heavily on large lecture courses will generally have large numbers of stations per classroom.

Assignable Square Feet per Station Criteria			
Number of Stations	ASF for Tables and Chairs	ASF for Armchair Desks Small	ASF for Armchair Desks Large
10 – 19	20 – 30	18	22
20 – 29	20 – 30	16	20
30 – 39	20 – 25	15	18
40 – 59	18 – 22	14	16
60 – 99	18 – 22	13	15
100 – 149	16 – 20	11	14
150 – 299	16 – 20	10	14
300 +	16 – 18	9	12

Table 16. Assignable Area Per Student Station for Classrooms

Institution	Number of Rooms	No. of Student Stations	Avg. Stu Sta Per Room	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station				
					2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity									
NC State	230	14,367	62	248,944	17	17	17	17	17
NC State Veterinary Med	5	401	80	7,343	18	18	18	18	18
UNC-Chapel Hill	288	14,238	49	264,432	19	19	39	18	18
UNC-Chapel Hill Hlth Aff.	99	4,387	44	85,948	20	20	20	18	18
Subtotal	622	33,393		606,667					
Subtotal Average			54		18	18	23	18	18
Doctoral Universities: High Research Activity									
East Carolina	179	9,343	52	163,406	17	18	18	17	18
East Carolina Hlth Aff.	44	2,196	50	42,495	19	19	19	19	19
N.C. A&T	156	7,257	47	144,637	20	20	20	20	20
UNC Charlotte	235	13,318	57	243,304	18	18	21	18	18
UNC Greensboro	152	8,659	57	153,257	18	18	43	17	17
UNC Wilmington	161	7,266	45	151,504	21	21	44	21	21
Subtotal	927	48,039		898,603					
Subtotal Average			52		19	19	24	18	18
Doctoral/Professional Universities									
Western Carolina	109	4,457	41	95,204	21	22	53	20	20
Winston-Salem	93	4,002	43	83,853	21	21	21	20	20
Subtotal	202	8,459		179,057					
Subtotal Average			42		21	21	31	20	20
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	258	10,763	42	222,660	21	20	52	20	20
Fayetteville	64	2,557	40	51,633	20	20	20	20	20
NCCU	152	6,397	42	119,498	19	19	19	19	19
UNC Pembroke	125	4,895	39	99,846	20	21	21	22	23
Subtotal	599	24,612		493,637					
Subtotal Average			41		20	20	26	20	20
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	53	1,422	27	42,434	30	29	42	22	22
Subtotal	53	1,422		42,434					
Subtotal Average			27		30	29	42	22	22
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	90	3,379	38	71,327	21	21	21	21	21
Subtotal	90	3,379		71,327					
Subtotal Average			38		21	21	21	21	21
Schools of Art, Music, & Design									
UNC School of the Arts	61	1,523	25	42,226	28	28	26	26	26
Subtotal	61	1,523		42,226					
Subtotal Average			25		28	28	26	26	26
Grand Total	2,554	120,827		2,333,951					
Grand Total Average			47		19	19	25	19	19

Table 17: Assignable Square Feet Per Student Station for Class Laboratories

The square footage per student station in class laboratories varies to a greater extent than in classrooms because of the widely differing space requirements of the various kinds of laboratories. An automotive lab, for example, usually requires much more space per station than a chemistry lab. In general, institutions that offer academic programs in such areas as agriculture, engineering, or medicine, require more class lab space per station than institutions that focus on liberal arts, business, and education. Moreover, graduate level laboratories usually require more space per station than undergraduate labs.

The University of North Carolina has developed ASF-per-station standards for four discipline categories of space (see Table 11-Space Standards):

Highly Intensive - 108 ASF	Engineering (including Textiles), Applied Design, Dance, and Dramatic Arts
Intensive - 70 ASF	Agriculture, Architecture, Biological Sciences, Health Professions, Library Sciences, and Physical Sciences
Moderately Intensive - 50 ASF	Communications, Computer/Information Technologies, Education, Art, Home Economics, Law, and Psychology
Non-Intensive - 33 ASF	Business, Cinematography, Music, Language, Letters, Mathematics, Public Affairs, and Social Sciences

Table 17. Assignable Area Per Student Station for Class Laboratories

		No. of Student Stations	Avg. Stu Sta Per Room	Assignable Sq. Ft.	Sq. Ft. Per Student Station				
Institution	No. of Rooms				2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity									
NC State	199	5,638	28	234,372	42	42	41	40	41
NC State Veterinary Med	8	236	30	11,188	47	47	47	47	48
UNC-Chapel Hill	92	2,934	32	86,499	29	32	33	34	34
UNC-Chapel Hill Hlth Aff.	62	852	14	37,468	44	45	46	41	41
Subtotal	361	9,660		369,527					
Subtotal Average			27		38	39	39	39	39
Doctoral Universities: High Research Activity									
East Carolina	192	5,301	28	186,769	35	36	36	36	36
East Carolina Hlth Aff.	50	1,028	21	38,701	38	38	-	-	43
N.C. A&T	105	2,501	24	104,626	42	41	40	40	40
UNC Charlotte	145	4,034	28	167,301	41	41	61	41	38
UNC Greensboro	141	3,893	28	165,304	42	43	71	49	38
UNC Wilmington	105	2,628	25	98,931	38	38	64	37	39
Subtotal	738	19,385		761,632					
Subtotal Average			26		39	40	50	40	38
Doctoral/Professional Universities									
Western Carolina	114	2,590	23	121,333	47	47	55	42	43
Winston-Salem	79	1,581	20	70,691	45	45	45	37	36
Subtotal	193	4,171		192,024					
Subtotal Average			22		46	46	50	40	41
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	162	3,950	24	171,013	43	40	68	45	44
Fayetteville	39	1,036	27	39,785	38	38	38	38	37
NCCU	65	1,387	21	59,580	43	43	43	43	43
UNC Pembroke	60	1,530	26	46,352	30	30	30	40	42
Subtotal	326	7,903		316,730					
Subtotal Average			24		40	38	47	43	43
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	20	427	21	16,776	39	39	48	52	52
Subtotal	20	427		16,776					
Subtotal Average			21		39	39	48	52	52
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	66	1,451	22	50,119	35	34	35	35	35
Subtotal	66	1,451		50,119					
Subtotal Average			22		35	34	35	35	35
Schools of Art, Music, & Design									
UNC School of the Arts	77	2,118	28	88,524	42	44	44	44	44
Subtotal	77	2,118		88,524					
Subtotal Average			28		42	44	44	44	44
Grand Total	1,781	45,115		1,795,332					
Grand Total Average			25		40	40	46	40	40



Sciences Building

Winston-Salem State University

Opened in 2021, the new Sciences Building helps Winston-Salem State University respond to the state's need for more STEM and health science graduates. It anchors the science district at Winston-Salem State, in close proximity to other health, computer science and science facilities. The five-story building, funded by the Connect NC bonds, features traditional classrooms, modern labs, a makerspace, an atrium, and a large lecture hall. It serves multiple academic programs at the university, including biology, chemistry, physics, and health sciences. It also houses the university's biomedical research infrastructure center and hospital simulator lab while also promoting collaboration across the science disciplines. Community gathering spaces and an outdoor terrace make the building a welcoming space for faculty, students, and staff. The building is cost-effective in operation, with environmentally advanced features such as a solar hot water heating system.

Building Characteristics

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Table 18: Ownership of Buildings

Many campus buildings are not owned by the institutions that use them. This table provides data on the ownership status of institutional facilities. The gross square footage of each institution has been classified under the eight ownership categories shown below.

1	Owned in fee simple.	5	Not owned by the institution but made available to the institution either at no cost or at a nominal rate.
2	Title vested in the institution and being paid for on an amortization schedule, regardless of whether the building is shared with another institution or organization.	6	Not owned by the institution but shared with an educational organization that is not a postsecondary institution.
3	Title vested in holding company or building corporation to which payments are being made by the institution; title will ultimately pass to the institution (includes lease-purchase arrangements).	7	Not owned by the institution but shared with another postsecondary educational institution.
4	Not owned by the institution but leased or rented to the institution at a typical local rate.	8	Other (e.g., not owned by the institution, but shared with a noneducational institution).

Ownership for institutions of the University of North Carolina System represents ownership by the State of North Carolina. The sums of the percentages for each institution should in theory add to exactly 100.0, but in some cases they do not due to rounding.

Table 18. Ownership of Buildings

Institution	1 Owned			2 Institution Amortization			3 Holding Co. Amortization		
	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg	%
Doctoral Universities: Very High Research Activity									
NC State ***	13,172,681	945	78.1	3,035,009	50	18.0			0.0
NC State Veterinary Med	654,547	45	72.3	229,495	2	25.4			0.0
UNC-Chapel Hill ***	13,510,848	353	98.2			0.0	68,760	1	0.5
UNC-Chapel Hill Health Aff. **	5,946,215	79	86.5	537,875	1	7.8	128,275	1	1.9
Subtotal	33,284,291	1,422		3,802,379	53		197,035	2	
Subtotal Percentage			86.7			9.9			0.5
Doctoral Universities: High Research Activity									
East Carolina	5,480,969	147	94.6	4,350	1	0.1	2,800	1	0.05
East Carolina Hlth Aff.	1,605,464	29	82.5	4,775	1	0.2			0.0
N.C. A&T	3,323,237	117	95.8			0.0			0.0
UNC Charlotte	5,045,104	77	49.9	4,920,833	31	48.7	137,999	14	1.4
UNC-Greensboro**	3,858,703	86	56.3	2,805,175	40	41.0	29,296	4	0.4
UNC Wilmington	3,459,437	132	69.0	791,130	11	15.8	738,804	20	14.7
Subtotal	22,772,914	588		8,526,263	84		908,899	39	
Subtotal Percentage			68.6			25.7			2.7
Doctoral/Professional Universities									
Western Carolina	2,291,268	84	67.4	626,114	10	18.4	431,581	10	12.7
Winston-Salem	1,358,754	30	67.8	128,194	5	6.4	441,407	8	22.0
Subtotal	3,650,022	114		754,308	15		872,988	18	
Subtotal Percentage			67.6			14.0			16.2
Master's Colleges & Universities: Larger/Medium Programs									
Appalachian	3,713,294	89	65.9	1,401,960	23	24.9	431,166	3	7.7
Fayetteville	1,193,794	46	81.1	191,904	3	13.0	86,499	1	5.9
NCCU	2,153,944	53	94.1	134,292	2	5.9			0.0
UNC Pembroke	1,265,908	41	68.7			0.0			0.0
Subtotal	8,326,940	229		1,728,156	28		517,665	4	
Subtotal Percentage			74.1			15.4			4.6
Baccalaureate Colleges: Arts & Sciences Focus									
UNC Asheville	1,256,934	36	75.0	407,238	14	24.3			0.0
Subtotal	1,256,934	36		407,238	14		0	0	
Subtotal Percentage			75.0			24.3			0.0
Baccalaureate Colleges: Diverse Fields									
Elizabeth City	1,053,674	46	87.9			0.0	145,678	1	12.1
Subtotal	1,053,674	46		0	0		145,678	1	
Subtotal Percentage			87.9			0.0			12.1
Schools of Art, Music, & Design									
UNC School of the Arts	1,167,679	60	86.2	77,150	1	5.7	80,440	2	5.9
Subtotal	1,167,679	60		77,150	1		80,440	2	
Subtotal Percentage			86.2			5.7			5.9
Teaching Hospitals									
UNC Hospitals**	2,379,893	21	98.7			0.0			0.0
Subtotal	2,379,893	21		0	0		0	0	
Subtotal Percentage			98.7			0.0			0.0
Grand Total	73,892,347	2,516		15,295,494	195		2,722,705	66	
Grand Total Percentage			77.9			16.1			2.9

** Other is Category 7; *** Other is Category 8.

Table 18. (Continued) Ownership of Buildings

Institution	4 Leased or Rented			5 Nominal Rate			Other			Total Gross Sq. Ft.	
	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg
Doctoral Universities: Very High Research Activity											
NC State ***	448,452	29	2.7	204,963	44	1.2	5,648	4	0.03	16,866,753	1,072
NC State Veterinary Med	21,143	1	2.3			0.0			0.0	905,185	48
UNC-Chapel Hill ***	153,082	16	1.1	12,549	1	0.1	10,287	1	0.1	13,755,526	372
UNC-Chapel Hill Health Aff.**	265,274	23	3.9			0.0			0.0	6,877,639	104
Subtotal	887,951	69		217,512	45		15,935	5		38,405,103	1,596
Subtotal Percentage			2.3			0.6			0.04		
Doctoral Universities: High Research Activity											
East Carolina	174,279	11	3.0	36,060	7	0.6	95,460	2	1.6	5,793,918	169
East Carolina Hlth Aff.	291,459	16	15.0	3,593	5	0.2	40,135	2	2.1	1,945,426	53
N.C. A&T	54,007	3	1.6			0.0	92,337	1	2.7	3,469,581	121
UNC Charlotte			0.0			0.0			0.0	10,103,936	122
UNC-Greensboro**	69,086	10	1.0	4,893	1	0.1	80,718	6	1.2	6,847,871	147
UNC Wilmington	22,389	6	0.4	0	0	0.0	0	0	0.0	5,011,760	169
Subtotal	611,220	46		44,546	13		308,650	11		33,172,492	781
Subtotal Percentage			1.8			0.1			0.93		
Doctoral/Professional Universities											
Western Carolina	47,815	4	1.4			0.0			0.0	3,398,458	109
Winston-Salem	74,668	7	3.7			0.0			0.0	2,003,023	50
Subtotal	122,483	11		0	0		0	1		5,401,481	159
Subtotal Percentage			0.0			0.0			0.00		
Master's Colleges & Universities: Larger/Medium Programs											
Appalachian	43,884	2	0.8	11,682	2	0.2	30,849	4	0.5	5,632,835	123
Fayetteville			0.0			0.0			0.0	1,472,197	50
NCCU			0.0			0.0			0.0	2,288,236	55
UNC Pembroke			0.0			0.0	576,953	14	31.3	1,842,861	55
Subtotal	43,884	2		11,682	2		607,802	18		11,236,129	283
Subtotal Percentage			0.0			0.1			5.41		
Baccalaureate Colleges: Arts & Sciences Focus											
UNC Asheville	11,575	1	0.7			0.0			0.0	1,675,747	51
Subtotal	11,575	1		0	0		0	0		1,675,747	51
Subtotal Percentage			0.7			0.0			0.00		
Baccalaureate Colleges: Diverse Fields											
Elizabeth City			0.0			0.0			0.0	1,199,352	47
Subtotal	0	0		0	0		0	0		1,199,352	47
Subtotal Percentage			0.0			0.0			0.00		
Schools of Art, Music, & Design											
UNC School of the Arts	2,760	1	0.2	11,053	1	0.8	15,700	1	1.2	1,354,782	66
Subtotal	2,760	1		11,053	1		15,700	1		1,354,782	66
Subtotal Percentage			0.2			0.8			1.16		
Teaching Hospitals											
UNC Hospitals**	31,928	3	1.3			0.0			0.0	2,411,821	24
Subtotal	31,928	3		0	0		0	0		2,411,821	24
Subtotal Percentage			1.3			0.0			0.00		
Grand Total	1,711,801	133		284,793	61		948,087	36		94,856,907	3,007
Grand Total Percentage			1.8			0.3			1.00		

** Other is Category 7; *** Other is Category 8.

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Tables 19 & 20: Capital Investment in Buildings

Building cost, as used here, refers to the institution's initial capital investment in a building. For a facility that is built by the institution, the building cost is the cost of construction of the structure and its fixed equipment. For buildings that are purchased, the acquisition cost is applicable.

The replacement value of a building, on the other hand, represents the estimated cost of constructing a new facility containing an equal amount of space, which is designed for the same use as the original building, and which meets all of the current commonly accepted standards of construction. For institutional buildings that were in existence prior to 1972, the replacement value was first estimated using 1972 construction cost data. Since then, it has been increased each year using factors obtained annually from construction cost publications. For buildings constructed since 1972, the building cost is the base upon which these replacement value factors are applied.

From 1972-83, the replacement value factors were derived from building cost data reported for the Atlanta region in the Engineering News Record. From 1984-1987, the Dodge Building Cost Indexes for U. S. and Canadian Cities, published by McGraw-Hill Cost Information Systems, was used to determine the replacement value factors. Since 1987, due to a lapse in the publishing of the Dodge publication, the R. S. Means Construction Cost Indexes report, which follows a calculation methodology like the Dodge report, has been used to construct this index. Factors calculated from the Means publication are derived by computing an average of the construction cost increases for Asheville, Charlotte, Durham, Fayetteville, Greensboro, Raleigh, Wilmington, and Winston-Salem. The following are the factors that have been used to increase the estimated replacement values each year. The construction cost factor reported by R.S. Means reflected a negative multiplier for the 2009 building replacement costs. This decrease in building values reflected the devaluation of property both nationally and across North Carolina during the economic downturn. Property values have recovered, and this continued upward trend is reflected in the 2022 factor applied to the estimated replacement values for the current year.

Annual Year Increase	Annual Year Increase	Annual Year Increase
2005 9.80%	2011 5.90%	2017 2.70%
2006 9.20%	2012 5.50%	2018 5.20%
2007 2.60%	2013 4.20%	2019 3.20%
2008 7.60%	2014 3.90%	2020 0.50%
2009 -3.70%	2015 2.10%	2021 14.20%
2010 0.80%	2016 2.60%	2022 14.70%

The data are categorized as non-residential (Table 19) and residential (Table 20). Buildings with twenty percent or more of their space in each category are considered combination buildings and appear in table 20. Institutions with combination buildings include ECU 1, NCSU 5, UNC-CH Health Affairs 2, UNCP 1, WCU 1, and WSSU 1.

Table 19 Non-Residential Capital Investment

Institution	Non-Residential Buildings			
	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. on Campus
Doctoral Universities: Very High Research Activity				
NC State	929	\$1,215,695,017	\$6,205,559,055	13,763,744
NC State Veterinary Med	48	108,610,720	482,205,694	905,185
UNC-Chapel Hill	296	1,532,086,728	4,893,398,368	10,043,738
UNC-Chapel Hill Hlth Aff.	102	847,266,149	2,812,135,851	6,874,803
Subtotal	1,375	\$3,703,658,614	\$14,393,298,968	31,587,470
Doctoral Universities: High Research Activity				
East Carolina	150	\$544,128,088	\$2,044,699,496	4,434,505
East Carolina Hlth Aff.	53	278,711,905	827,716,901	1,945,426
NC A&T	107	299,761,386	1,331,824,036	2,881,954
UNC Charlotte	88	954,652,060	2,425,653,871	7,883,285
UNC Greensboro	117	480,399,031	2,696,600,285	4,661,989
UNC Wilmington	127	488,228,181	1,125,971,138	3,380,597
Subtotal	642	\$3,045,880,651	\$10,452,465,727	25,187,756
Doctoral/Professional Universities				
Western Carolina	72	273,017,893	791,650,491	2,238,681
Winston-Salem	35	150,930,719	447,895,941	1,254,188
Subtotal	107	\$423,948,612	\$1,239,546,432	3,492,869
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	99	\$554,167,927	\$1,960,136,018	3,993,779
Fayetteville	41	110,938,819	372,105,706	1,120,153
NC Central	44	219,962,332	929,258,753	1,637,824
UNC Pembroke	40	157,247,457	512,515,125	1,141,504
Subtotal	224	\$1,042,316,535	\$3,774,015,602	7,893,260
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	30	\$136,269,920	\$517,707,439	1,145,269
Subtotal	30	\$136,269,920	\$517,707,439	1,145,269
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	35	\$85,750,915	\$346,415,707	805,898
Subtotal	35	\$85,750,915	\$346,415,707	805,898
Schools of Art, Music, & Design				
UNC School of the Arts	47	\$105,521,127	\$352,017,252	1,134,700
Subtotal	47	\$105,521,127	\$352,017,252	1,134,700
Teaching Hospitals				
UNC Hospitals	30	\$151,744,106	\$1,227,208,497	2,499,249
Subtotal	30	\$151,744,106	\$1,227,208,497	2,499,249
Grand Total	2,490	\$8,695,090,480	\$32,302,675,624	73,746,471

Table 20 Residential Capital Investment

Institution	Residential Buildings			
	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. on Campus
Doctoral Universities: Very High Research Activity				
NC State	143	\$229,145,522	\$997,610,165	3,103,009
NC State Veterinary Med	0	0	0	0
UNC-Chapel Hill	76	336,878,341	1,048,229,518	3,711,788
UNC-Chapel Hill Hlth Aff.	2	31,500	986,900	2,836
Subtotal	221	\$566,055,363	\$2,046,826,583	6,817,633
Doctoral Universities: High Research Activity				
East Carolina	19	\$102,496,136	\$438,851,422	1,359,413
East Carolina Hlth Aff.	0	0	0	0
NC A&T	14	29,173,424	204,570,303	587,627
UNC Charlotte	34	289,719,444	640,959,199	2,220,651
UNC Greensboro	30	170,219,604	1,112,823,399	2,185,882
UNC Wilmington	42	255,922,025	501,786,650	1,631,163
Subtotal	139	\$847,530,633	\$2,898,990,973	7,984,736
Master's (Comprehensive) Universities & Colleges I				
Western Carolina	37	168,448,555	384,451,832	1,159,777
Winston-Salem	15	92,053,235	219,447,838	748,835
Subtotal	52	\$260,501,790	\$603,899,670	1,908,612
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	24	\$277,903,291	\$745,883,824	1,639,056
Fayetteville	9	27,407,381	90,099,180	352,044
NC Central	11	60,463,229	275,946,029	650,412
UNC Pembroke	15	10,309,198	172,928,964	701,357
Subtotal	59	\$376,083,099	\$1,284,857,997	3,342,869
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	21	\$86,308,807	\$221,691,745	530,478
Subtotal	21	\$86,308,807	\$221,691,745	530,478
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	12	\$34,032,578	\$94,680,466	393,454
Subtotal	12	\$34,032,578	\$94,680,466	393,454
Schools of Art, Music, & Design				
UNC School of the Arts	19	\$10,995,657	\$48,881,926	220,082
Subtotal	19	\$10,995,657	\$48,881,926	220,082
Teaching Hospitals				
UNC Hospitals	-	-	-	-
Subtotal	0	\$0	\$0	0
Grand Total	523	\$2,181,507,927	\$7,199,829,360	21,197,864

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Table 21: Age of Buildings

This table reports the total gross square footage of UNC System universities by year of construction categories. For purposes of this study, the year of construction is defined as the year that the building was completed regardless of any later year of occupancy.

Although this table gives some indications of how new an institution's facilities are, it does not consider renovations. The data in this table should, therefore, be considered in conjunction with Table 22 (Condition of Buildings) and Table 23 (Estimated Cost to Renovate or Replace Unsatisfactory Facilities).

Table 21. Age of Buildings

Institution	Total All Buildings		60+		51-60 Years (1971-1962)		40-50 Years (1982-1972)	
	Bldgs	GSF	Bldgs	GSF	Bldgs	GSF	Bldgs	GSF
Doctoral Universities: Very High Research Activity								
NC State	1,072	16,866,753	214	4,237,728	156	1,848,241	167	2,323,940
NC State Veterinary Med	48	905,185	5	39,719	5	23,179	10	358,685
UNC-Chapel Hill	372	13,755,526	90	3,032,282	50	2,135,433	25	761,246
UNC-Chapel Hill Hlth Aff.	104	6,877,639	11	429,541	10	728,923	11	1,187,728
Subtotal	1,596	38,405,103	320	7,739,270	221	4,735,776	213	4,631,599
Doctoral Universities: High Research Activity								
East Carolina	169	5,793,918	57	1,492,435	26	1,445,955	22	490,414
East Carolina Hlth Aff.	53	1,945,426	2	13,276	6	35,060	7	609,800
N.C. A&T	121	3,469,581	39	944,723	11	320,890	19	505,982
UNC Charlotte	122	10,103,936	2	61,272	13	913,986	14	830,687
UNC Greensboro	147	6,847,871	50	1,706,670	21	631,106	12	624,648
UNC Wilmington	169	5,011,760	10	127,058	11	265,065	13	459,259
Subtotal	781	33,172,492	160	4,345,434	88	3,612,062	87	3,520,790
Doctoral/Professional Universities								
Western Carolina	109	3,398,458	39	659,621	16	600,064	13	362,910
Winston-Salem	50	2,003,023	9	148,706	6	251,957	5	222,772
Subtotal	159	5,401,481	48	808,327	22	852,021	18	585,682
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	123	5,632,835	16	528,603	25	1,224,477	16	387,615
Fayetteville	50	1,472,197	14	232,311	9	241,284	12	351,848
NCCU	55	2,288,236	25	560,714	6	256,635	8	334,467
UNC Pembroke	55	1,842,861	7	152,500	13	299,562	9	332,633
Subtotal	283	11,236,129	62	1,474,128	53	2,021,958	45	1,406,563
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	51	1,675,747	2	109,607	11	225,431	8	165,028
Subtotal	51	1,675,747	2	109,607	11	225,431	8	165,028
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	47	1,199,352	16	200,422	4	85,720	10	237,827
Subtotal	47	1,199,352	16	200,422	4	85,720	10	237,827
Schools of Art, Music, & Design								
UNC School of the Arts	66	1,354,782	21	366,290	13	123,534	2	108,243
Subtotal	66	1,354,782	21	366,290	13	123,534	2	108,243
Teaching Hospitals								
UNC Hospitals	30	2,499,249	9	379,460	4	376,359	4	204,982
Subtotal	30	2,499,249	9	379,460	4	376,359	4	204,982
Grand Total	3,013	94,944,335	638	15,422,938	416	12,032,861	387	10,860,714

Table 21. (Continued) Age of Buildings

Institution	20-39 Years (2002-1983)		10-19 Years (2012-2003)		<10 Years (2022-2013)	
	Bldgs	GSF	Bldgs	GSF	Bldgs	GSF
Doctoral Universities: Very High Research Activity						
NC State	313	3,193,554	140	3,881,755	82	1,381,535
NC State Veterinary Med	16	27,764	5	417,264	7	38,574
UNC-Chapel Hill	76	3,015,699	100	4,269,574	31	541,292
UNC-Chapel Hill Hlth Aff.	35	2,625,226	28	1,488,204	9	418,017
Subtotal	440	8,862,243	273	10,056,797	129	2,379,418
Doctoral Universities: High Research Activity						
East Carolina	24	645,016	21	619,120	19	1,100,978
East Carolina Hlth Aff.	14	184,841	11	955,037	13	147,412
N.C. A&T	14	351,836	33	1,014,657	5	331,493
UNC Charlotte	25	2,318,606	48	4,087,159	20	1,892,226
UNC Greensboro	22	1,351,807	20	1,424,637	22	1,109,003
UNC Wilmington	55	1,228,392	52	1,745,746	28	1,186,240
Subtotal	154	6,080,498	185	9,846,356	107	5,767,352
Doctoral/Professional Universities						
Western Carolina	12	285,075	23	1,009,968	6	480,820
Winston-Salem	14	610,022	11	433,684	5	335,882
Subtotal	26	895,097	34	1,443,652	11	816,702
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	27	1,400,739	20	1,050,025	19	1,041,376
Fayetteville	9	321,275	5	253,378	1	72,101
NCCU	7	465,749	8	564,842	1	105,829
UNC Pembroke	5	338,735	16	573,584	5	145,847
Subtotal	48	2,526,498	49	2,441,829	26	1,365,153
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	12	530,348	10	525,899	8	119,434
Subtotal	12	530,348	10	525,899	8	119,434
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	9	249,749	8	425,634	0	0
Subtotal	9	249,749	8	425,634	0	0
Schools of Art, Music, & Design						
UNC School of the Arts	16	207,837	8	229,787	6	319,091
Subtotal	16	207,837	8	229,787	6	319,091
Teaching Hospitals						
UNC Hospitals	9	1,089,395	4	449,053	0	0
Subtotal	9	1,089,395	4	449,053	0	0
Grand Total	714	20,441,665	571	25,419,007	287	10,767,150

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Table 22: Condition of Buildings

The physical condition of campus buildings has been a matter of increasing concern to university administrators. As institutional budgets tightened during the 1970s, several institutions attempted to economize by deferring the maintenance of facilities. Many institutions continued this policy through the 1980s and 1990s. As a result, some universities now have buildings which are in such poor condition that they can no longer satisfactorily support the programs for which they were intended. Increasing new construction costs have made proper maintenance of campus physical plants even more important.

The data in Table 22 are based on the assessment of building conditions under the Facilities Condition Assessment Program, described below. In addition, an assessment of building conditions by the facilities project officers at the institutions is reported within the building inventory file. Although few of them are architects or engineers, facilities project officers generally have (or have access to) sufficient information about the condition of their institutions' facilities to be able to accurately assign a condition code to each campus building. In those cases where campus project officers do not have this information, they are encouraged to consult qualified physical plant personnel each year for assignment of a condition code. These codes are defined on the following page.

FCAP: Facilities Maintenance and Repair Needs

The Facilities Condition Assessment Program (FCAP), a recurring study of the condition of facilities over 3,000 GSF for state buildings including the institutions of the University of North Carolina, provides a dollar estimate of deferred maintenance and repairs for buildings and other assets. This study is conducted by the State Construction Office (SCO), a division of the North Carolina Department of Administration, on a three to five-year cycle for the UNC institutions. The FCAP methodology is not intended to quantify needed or desired improvements that go beyond the original design functionality, but to identify an order of magnitude needed for repairs statewide. For example, if the air-conditioning system in each facility is not performing adequately because of a faulty chiller, the cost of required repairs would be reflected in FCAP. However, if the building lacked air-conditioning altogether when originally built, despite the need for it to meet contemporary standards for classroom instruction, the cost of retrofitting air-conditioning would not be reflected in FCAP, since it was not called for in the original design. FCAP was not intended to identify deficiencies related to current standards of quality or suitability of space for current program purposes.

BUILDING CONDITION CODES (Building Inventory File)

Building condition indicates the physical status and quality of the building at the time of the inventory, based on the best judgment of those responsible for campus development and reporting. Building condition is classified using the following categories:

- 1 - Satisfactory** - Suitable for continued use with normal maintenance.
- 2 - Remodeling A** - Requires restoration to present acceptable standards without major room use changes, alterations, or modernizations. The approximate cost of "Remodeling A" is not greater than 25% of the estimated replacement cost of the building.
- 3 - Remodeling B** - Requires major updating and/or modernization of the building. The approximate cost of "Remodeling B" is greater than 25%, but not greater than 50% of the estimated replacement cost of the building.
- 4 - Remodeling C** - Requires major remodeling of the building. The approximate cost of "Remodeling C" is greater than 50% of the replacement cost of the building.
- 5 - Demolition** - Should be demolished or abandoned because the building is unsafe or structurally unsound, irrespective of the need for the space or the availability of funds for a replacement. This category takes precedence over categories 1-4. If a building is scheduled for demolition, its condition code is recorded as "5-Demolition," regardless of its condition.
- 6 - Termination - Planned termination or relinquishment of occupancy of the building for reasons other than unsafe or structural unsoundness**, such as abandonment of temporary units or vacating of leased space. This category takes precedence over categories 1-4. If a building is scheduled for termination, its condition code is recorded as "6-Termination," regardless of its condition.

Table 22. Condition of Buildings: Gross Square Footage

Institution	Satisfactory			Remodeling A			Remodeling B			Remodeling C		
	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg	%
Doctoral Universities: Very High Research Activity												
NC State	7,085,631	579	42.0	4,251,556	218	25.2	3,938,446	147	23.4	1,504,792	111	8.9
NC State Veterinary Med	356,084	10	39.3	107,758	7	11.9	441,343	31	48.8			0.0
UNC-Chapel Hill	876,685	27	6.4	7,817,230	204	56.8	3,184,542	54	23.2	1,782,090	69	13.0
UNC-Chapel Hill Hlth Aff.	1,391,904	24	20.2	3,948,396	44	57.4	1,058,669	19	15.4	478,670	17	7.0
Subtotal	9,710,304	640		16,124,940	473		8,623,000	251		3,765,552	197	
Subtotal Percentage			25.3			42.0			22.5			9.8
Doctoral Universities: High Research Activity												
East Carolina	3,784,997	92	65.3	974,001	31	16.8	416,286	24	7.2	605,165	18	10.4
East Carolina Hlth Aff.	1,152,062	29	59.2	242,949	12	12.5	42,317	7	2.2	508,098	5	26.1
N.C. A&T	1,611,113	64	46.4	410,281	16	11.8	471,570	14	13.6	916,987	25	26.4
UNC Charlotte	3,415,441	18	33.8	3,616,229	56	35.8	1,226,127	25	12.1	1,836,880	22	18.2
UNC Greensboro	3,383,045	60	49.4	2,523,708	55	36.9	664,696	15	9.7	262,240	14	3.8
UNC Wilmington	5,004,344	167	99.9	5,066	1	0.1			0.0	2,350	1	0.05
Subtotal	18,351,002	430		7,772,234	171		2,820,996	85		4,131,720	85	
Subtotal Percentage			55.3			23.4			8.5			12.5
Doctoral/Professional Universities												
Western Carolina	2,472,176	69	72.7	735,063	27	21.6	156,405	9	4.6	34,814	4	1.0
Winston-Salem	1,320,026	29	65.9	517,748	12	25.8	89,733	6	4.5	75,516	3	3.8
Subtotal	3,792,202	98		1,252,811	39		246,138	15		110,330	7	
Subtotal Percentage			70.2			23.2			4.6			2.0
Master's Colleges & Universities: Larger/Medium Programs												
Appalachian	1,671,701	34	29.7	2,388,750	58	42.4	1,148,348	20	20.4	191,311	4	3.4
Fayetteville	196,605	3	13.4	599,316	23	40.7	410,793	9	27.9	168,589	12	11.5
NCCU	2,072,297	45	90.6	85,492	6	3.7	128,447	3	5.6			0.0
UNC Pembroke	173,111	3	9.4	191,934	11	10.4	979,347	23	53.1	453,953	16	24.6
Subtotal	4,113,714	85		3,265,492	98		2,666,935	55		813,853	32	
Subtotal Percentage			36.6			29.1			23.7			7.2
Baccalaureate Colleges: Arts & Sciences Focus												
UNC Asheville	649,260	24	38.7	520,833	12	31.1	156,358	4	9.3	349,296	11	20.8
Subtotal	649,260	24		520,833	12		156,358	4		349,296	11	
Subtotal Percentage			38.7			31.1			9.3			20.8
Baccalaureate Colleges: Diverse Fields												
Elizabeth City	787,346	30	65.6	226,441	10	18.9	85,200	4	7.1	91,482	2	7.6
Subtotal	787,346	30		226,441	10		85,200	4		91,482	2	
Subtotal Percentage			65.6			18.9			7.1			7.6
Schools of Art, Music, & Design												
UNC School of the Arts	1,076,169	46	79.4	212,096	10	15.7	10,605	3	0.8	50,084	3	3.7
Subtotal	1,076,169	46		212,096	10		10,605	3		50,084	3	
Subtotal Percentage			79.4			15.7			0.8			3.7
Teaching Hospitals												
UNC Hospitals	2,499,249	30	100	0	0	0.0	0	0	0.0	0	0	0.0
Subtotal	2,499,249	30		0	0		0	0		0	0	
Subtotal Percentage			100			0.0			0.0			0.0
Grand Total	40,979,246	1,383		29,374,847	813		14,609,232	417		9,312,317	337	
Grand Total Percentage			43.2			30.9			15.4			9.8

Table 22. (Continued) Condition of Buildings: Gross Square Footage

Institution	Demolition			Termination			Total Gross Square Feet	
	GSF	Bldg	%	GSF	Bldg	%	GSF	Bldg
Doctoral Universities: Very High Research Activity								
NC State	84,604	16	0.5	1,724	1	0.01	16,866,753	1,072
NC State Veterinary Med	0	0	0.0	0	0	0.0	905,185	48
UNC-Chapel Hill	94,979	18	0.7	0	0	0.0	13,755,526	372
UNC-Chapel Hill Hlth Aff.	0	0	0.0	0	0	0.0	6,877,639	104
Subtotal	179,583	34		1,724	1		38,405,103	1,596
Subtotal Percentage			0.5			0.004		
Doctoral Universities: High Research Activity								
East Carolina	11,030	3	0.2	2,439	1	0.04	5,793,918	169
East Carolina Hlth Aff.	0	0	0.0	0	0	0.0	1,945,426	53
N.C. A&T	2,806	1	0.1	56,824	1	1.6	3,469,581	121
UNC Charlotte	9,259	1	0.1	0	0	0.0	10,103,936	122
UNC Greensboro	14,182	3	0.2	0	0	0.0	6,847,871	147
UNC Wilmington	0	0	0.0	0	0	0.0	5,011,760	169
Subtotal	37,277	8		59,263	2		33,172,492	781
Subtotal Percentage			0.1			0.2		
Doctoral/Professional Universities								
Western Carolina	0	0	0.0	0	0	0.0	3,398,458	109
Winston-Salem	0	0	0.0	0	0	0.0	2,003,023	50
Subtotal	0	0		0	0		5,401,481	159
Subtotal Percentage			0.0			0.0		
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	48,694	2	0.9	184,031	5	3.3	5,632,835	123
Fayetteville	96,894	3	6.6	0	0	0.0	1,472,197	50
NCCU	2,000	1	0.1	0	0	0.0	2,288,236	55
UNC Pembroke	44,516	2	2.4	0	0	0.0	1,842,861	55
Subtotal	192,104	8		184,031	5		11,236,129	283
Subtotal Percentage			1.7			1.6		
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	0	0	0.0	0	0	0.0	1,675,747	51
Subtotal	0	0		0	0		1,675,747	51
Subtotal Percentage			0.0			0.0		
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	8,883	1	0.7	0	0	0.0	1,199,352	47
Subtotal	8,883	1		0	0		1,199,352	47
Subtotal Percentage			0.7			0.0		
Schools of Art, Music, & Design								
UNC School of the Arts	5,828	4	0.4	0	0	0.0	1,354,782	66
Subtotal	5,828	4		0	0		1,354,782	66
Subtotal Percentage			0.4			0.0		
Teaching Hospitals								
UNC Hospitals	0	0	0.0	0	0	0.0	2,499,249	30
Subtotal	0	0		0	0		2,499,249	30
Subtotal Percentage			0.0			0.0		
Grand Total	423,675	55		245,018	8		94,944,335	3,013
Grand Total Percentage			0.4			0.3		

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Table 23: Estimated Cost to Renovate or Replace Unsatisfactory Facilities

The common practice of deferring standard maintenance of university facilities has forced many institutions to face the prospect of extensive renovations and the total replacement of some buildings. On a national level, the cost of bringing buildings to a satisfactory condition and replacing inadequate facilities was estimated in 1989 at over \$60 billion. * That figure is generally considered to be significantly higher today.

Table 23 estimates the costs of bringing all campus buildings to a satisfactory condition by renovating unsatisfactory facilities and replacing buildings, which are designated for demolition due to their unsafe condition or which will be vacated by institutions for any other reason. It does not estimate the cost of new construction required by insufficient quantities of space required to meet programmatic needs.

These estimates were calculated by taking the estimated replacement value of each unsatisfactory building and multiplying it by the appropriate "cost midpoint" based on the condition of the building. (See Table 19 for a discussion of estimated replacement values and Table 22 for definitions of condition codes.)

The cost midpoints used in generating the estimates for Table 23 are as follows:

<u>Condition</u>	<u>Cost Midpoint</u>
Remodeling A	20%
Remodeling B	37.5%
Remodeling C	75%
Demolition	100%
Termination	100%

Thus, for example, if a building in “Remodeling A” condition has an estimated replacement value of \$1,000,000, the cost to bring it to satisfactory condition would be estimated to be \$200,000.

Current year dollar figures for total campus original building cost, estimated replacement cost, and renovation/replacement needs are presented in the table. The Facilities Condition Assessment Program (FCAP), conducted by the State Construction Office, a division of the North Carolina Department of Administration, provides more precise dollar deficiency figures for campus buildings over 3,000 GSF (see pages 120 and 124).

**Association of Physical Plant Administrators of Universities and Colleges. The Decaying American Campus: A Ticking Time Bomb, 1989.*

RELATIVE INCREASES IN CONSTRUCTION COSTS

Since building cost represents an institution's capital investment in a facility, only buildings that are owned by the institution (i.e., those falling under ownership categories 1-3 on page 69) are included in calculating total cost. Replacement value, on the other hand, reflects all buildings on an institution's campus, regardless of their ownership status.

The condition and cost of replacing or renovating facilities are important components in weighing capital planning decisions. Renovation may be a cost-effective alternative to new construction, especially where poor condition limits the use of existing space. If a renovation can increase the amount of assignable space in a building, then part of the cost of the renovation can be justified purely on a cost savings basis. Tables 19 and 20 suggest that new construction costs average \$416 per gross square foot. Table 13 indicates that the average net-to-gross ratio is .545. This means that new construction

costs are approximately \$762 per assignable square foot. Thus, every assignable square foot created through a renovation can be viewed as saving the institution \$762 in new construction costs.

$$\text{CONSTRUCTION COST/ASF} = \frac{\text{CONSTRUCTION COST/GSF}}{\text{NET-TO-GROSS RATIO}}$$
$$\text{CONSTRUCTION COST/ASF} = \frac{\$416}{.545} = \$762$$

The data are categorized as non-residential (Table 19) and residential (Table 20). Buildings with twenty percent or more of their space in each category are considered combination buildings and appear in table 20. Institutions with combination buildings include NCSU 5, UNC-CH Health Affairs 2, ECU 1, WCU 1, WSSU, 1 and UNCP 1.

Table 23. Estimated Cost to Renovate or Replace Less Than Satisfactory Facilities

Institution	Total Number of Facilities	Original Building Cost	Estimated Replacement Cost	Number of Less Than Satisfactory Facilities	GSF of Less Than Satisfactory Facilities	Estimated Cost of Restoring Facilities to Satisfactory Condition
Doctoral Universities: Very High Research Activity						
NC State	1,072	\$1,444,840,539	\$7,203,169,220	493	9,781,122	\$1,586,434,679
NC State Veterinary Med	48	108,610,720	482,205,694	38	549,101	115,728,775
UNC-Chapel Hill	372	1,868,965,069	5,941,627,886	345	12,878,841	1,702,865,750
UNC-Chapel Hill Hlth Aff.	104	847,297,649	2,813,122,751	80	5,485,735	642,975,529
Subtotal	1,596	\$4,269,713,977	\$16,440,125,551	956	28,694,799	\$4,048,004,733
Doctoral Universities: High Research Activity						
East Carolina	169	\$646,624,224	\$2,483,550,918	77	2,008,921	\$331,236,849
East Carolina Hlth Aff.	53	278,711,905	827,716,901	24	793,364	163,416,693
NC A&T	121	328,934,810	1,536,394,339	57	1,858,468	449,182,799
UNC Charlotte	122	1,244,371,504	3,066,613,070	104	6,688,495	1,010,664,245
UNC Greensboro	147	650,618,635	3,809,423,684	87	3,464,826	578,950,698
UNC Wilmington	169	744,150,206	1,627,757,788	2	7,416	327,322
Subtotal	781	\$3,893,411,284	\$13,351,456,700	351	14,821,490	\$2,533,778,606
Doctoral/Professional Universities						
Western Carolina	109	441,466,448	1,176,102,323	40	926,282	61,943,626
Winston-Salem	50	242,983,954	667,343,779	21	682,997	52,818,836
Subtotal	159	\$684,450,402	\$1,843,446,102	61	1,609,279	\$114,762,462
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	123	\$832,071,218	\$2,706,019,842	89	3,961,134	\$562,437,917
Fayetteville	50	138,346,200	462,204,886	47	1,275,592	135,841,659
NC Central	55	280,425,561	1,205,204,782	10	215,939	28,979,697
UNC Pembroke	55	167,556,655	685,444,089	52	166,975	282,233,352
Subtotal	283	\$1,418,399,634	\$5,058,873,599	198	7,122,415	\$1,009,492,624
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	51	\$222,578,727	\$644,637,472	27	1,026,487	\$193,350,174
Subtotal	51	\$222,578,727	\$644,637,472	27	1,026,487	\$193,350,174
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	47	\$119,783,493	\$441,096,173	17	412,006	\$48,418,197
Subtotal	47	\$119,783,493	\$441,096,173	17	412,006	\$48,418,197
Schools of Art, Music, & Design						
UNC School of the Arts	66	\$116,516,784	\$400,899,178	20	278,613	\$19,071,005
Subtotal	66	\$116,516,784	\$400,899,178	20	278,613	\$19,071,005
Teaching Hospitals						
UNC Hospitals	30	\$151,744,106	\$1,407,608,146	0	0	\$0
Subtotal	30	\$151,744,106	\$1,407,608,146	0	0	\$0
Grand Total	3,013	\$10,876,598,407	\$39,588,142,921	1,630	53,965,089	\$7,966,877,802

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Table 24: Accessible Area as a Percentage of Assignable

The Rehabilitation Act of 1973 focused national attention on the rights of handicapped persons. Section 504 of the Act stated that "no otherwise qualified handicapped individual in the United States . . . shall, solely by reason of his handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance." The more recent 1990 Americans with Disabilities Act (ADA) reinforced this guideline while providing a very comprehensive set of regulations and definitions for addressing the special needs of people with a broad range of disabilities.

One of the groups protected by both pieces of legislation is the people who use wheelchairs or whose mobility is otherwise impaired. Although neither of the Congressional Acts requires that colleges and universities make all their facilities barrier free, they do require that an institution's programs be made accessible to people with disabilities. Although program accessibility can be partially achieved through changes other than facilities modifications, the amount of assignable space that is accessible to people with mobility impairments is a factor which must be carefully considered in making programs accessible.

The National Center for Education Statistics conducted a survey in 1978 to determine the impact of the earlier Section 504 on colleges and universities. One of the findings of the survey was that about 76% of the assignable area on college and university campuses would need to be made accessible to comply with the program accessibility requirement of the original legislation. The survey also found, however, that this percentage varied greatly among different institutions. Since the 1978 study, total campus accessibility for institutions throughout the country has improved dramatically.

The definition of building space accessibility in the 2006 NCES Postsecondary Education Facilities Inventory and Classification Manual (and incorporated in the 2009 edition of the N.C. Manual) includes *approach to* a building in addition to access from a point immediately outside the building. Thus, a building's *site* must also be accessible, i.e., there are no barriers to approach, such as lack of curb breaks or steps to a building's entrance. These criteria apply to a mobility-impaired person (i.e., wheelchair user or someone who uses another support device such as a walker) who is attempting to approach and enter a building and its internal space without assistance.

Table 24. Accessible Area as a Percentage of Assignable Area

Institution	Total Assignable Sq. Ft.	Accessible Sq. Ft.	Percent Accessible				
			2022	2021	2020	2019	2018
Doctoral Universities: Very High Research Activity							
NC State	9,383,128	7,822,801	83.4	82.6	81.6	81.4	83.4
NC State Veterinary Med	460,830	425,892	92.4	92.4	92.5	92.5	93.4
UNC-Chapel Hill	7,661,139	7,638,534	99.7	99.9	100.0	99.4	99.5
UNC-Chapel Hill Hlth Aff.	2,562,796	2,538,966	99.1	99.3	99.3	99.3	99.4
Subtotal	20,067,893	18,426,193					
Subtotal Percentage			91.8	91.5	91.0	90.8	91.8
Doctoral Universities: High Research Activity							
East Carolina	3,445,250	3,091,917	89.7	88.4	86.0	86.0	86.4
East Carolina Hlth Aff.	1,154,121	894,470	77.5	76.4	77.6	77.6	76.3
N.C. A&T	2,302,589	2,033,179	88.3	88.3	88.6	88.6	88.6
UNC Charlotte	4,127,661	4,004,199	97.0	97.0	97.0	96.8	97.7
UNC Greensboro	3,503,315	3,088,046	88.1	88.1	88.2	79.2	79.8
UNC Wilmington	2,887,775	2,762,925	95.7	95.7	100.0	97.2	95.8
Subtotal	17,420,711	15,874,736					
Subtotal Percentage			91.1	90.8	91.1	88.7	88.8
Doctoral/Professional Universities							
Western Carolina	2,121,858	1,728,447	81.5	81.3	76.6	76.6	75.5
Winston-Salem	1,283,686	1,157,375	90.2	90.2	90.2	89.4	87.5
Subtotal	3,405,544	2,885,822					
Subtotal Percentage			84.7	84.7	81.6	81.3	80.1
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	3,278,769	2,696,889	82.3	80.4	85.2	85.3	85.1
Fayetteville	919,639	777,177	84.5	84.5	84.5	84.5	84.5
NCCU	1,464,985	1,345,514	91.8	91.4	91.3	91.3	90.9
UNC Pembroke	1,248,150	1,196,186	95.8	93.7	94.0	92.0	91.0
Subtotal	6,911,543	6,015,766					
Subtotal Percentage			87.0	85.9	88.1	87.8	87.3
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	964,668	464,370	48.1	14.4	9.1	7.6	7.6
Subtotal	964,668	464,370					
Subtotal Percentage			48.1	14.4	9.1	7.6	7.6
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	800,719	739,365	92.3	86.3	86.3	86.3	86.3
Subtotal	800,719	739,365					
Subtotal Percentage			92.3	86.3	86.3	86.3	86.3
Schools of Art, Music, & Design							
UNC School of the Arts	859,402	779,100	90.7	90.6	90.5	90.2	90.2
Subtotal	859,402	779,100					
Subtotal Percentage			90.7	90.6	90.5	90.2	90.2
Teaching Hospitals							
UNC Hospitals	1,358,303	1,194,183	87.9	87.9	87.9	87.9	87.9
Subtotal	1,358,303	1,194,183					
Subtotal Percentage			87.9	87.9	87.9	87.9	87.9
Grand Total	51,788,783	46,379,535					
Grand Total Percentage			89.6	88.5	88.4	87.3	87.6

Table 25: Accessible Area by Summary Programs and Subprograms

The requirement that all universities make their programs accessible to handicapped persons makes careful planning on the part of campus administrators especially important. Although program accessibility does not require that a campus be barrier free, the concepts of program accessibility and facilities accessibility are inherently interrelated. Campus administrators must therefore analyze their campus facilities in terms of accessibility, focusing particularly on the kinds of space that are accessible.

Table 25 and Tables 25a-25d indicate for each program and subprogram the percentage of assignable space that is accessible to the mobility impaired. A dash indicates that a particular institution has no assignable space under the indicated program or subprogram. A "0.0" indicates that the institution has *assignable* space under the program and subprogram but that none of it is *accessible*. Definitions of the programs and subprograms listed in these tables can be found in the narratives preceding Tables 14-14d. Subprogram 03 (Building Service) is not included in Table 25d (and is not considered as part of Program 00 in Table 25) since it applies to non-assignable area only.

It is not possible to develop standards to indicate how much accessible space in each program and subprogram is needed to achieve program accessibility. The figures would vary from institution to institution based on the kinds of programmatic changes that had been implemented to assist people with disabilities. For example, the financial aid program at a college or university would be considered accessible if a student with disabilities had the same access to the financial aid and related counseling that the institution offered to other students. This could be accomplished without making the space occupied by the financial aid office accessible. Thus, a program or subprogram that has little or no physically accessible area is not necessarily inaccessible.

Although the data in Table 25 and Tables 25a-25d cannot be used to ascertain whether program accessibility has been achieved, the information does provide facilities planners with a detailed breakdown of the accessible space on their campuses. This will in turn assist each institution in the determination of the most practical means of achieving program accessibility.

Table 25. Percentage Distribution of Accessible Area by Summary Programs

Institution	Accessible Sq. Ft.	Instruction 10	Research 20	Public Service 30	Academic Support 40	Student Services 50
Doctoral Universities: Very High Research Activity						
NC State	7,822,801	90.7	81.6	63.5	92.0	81.2
NC State Veterinary Med	425,892	88.7	93.2	95.8	92.0	100.0
UNC-Chapel Hill	7,638,534	99.9	99.7	99.7	98.8	100.0
UNC-Chapel Hill Hlth Aff.	2,538,966	99.4	98.8	99.9	99.7	100.0
Subtotal	18,426,193					
Subtotal Percentage		95.8	89.0	80.5	96.5	91.6
Doctoral Universities: High Research Activity						
East Carolina	3,091,917	90.2	66.3	89.0	93.9	94.3
East Carolina Hlth Aff.	894,470	86.1	97.4	62.4	96.6	59.2
N.C. A&T	2,033,179	92.7	84.0	95.2	95.4	79.0
UNC Charlotte	4,004,199	96.8	99.6	99.8	99.0	96.7
UNC Greensboro	3,088,046	95.2	92.2	83.2	87.5	85.4
UNC Wilmington	2,762,925	96.4	99.0	99.2	99.7	95.5
Subtotal	15,874,736					
Subtotal Percentage		93.5	91.8	69.6	95.4	91.6
Doctoral/Professional Universities						
Western Carolina	1,728,447	95.0	90.1	83.1	96.4	71.1
Winston-Salem	1,157,375	91.2	100.0	87.9	97.0	91.9
Subtotal	2,885,822					
Subtotal Percentage		93.6	95.2	84.7	96.6	79.7
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	2,696,889	88.2	85.4	32.7	100.0	79.1
Fayetteville	777,177	100.0	100.0	100.0	100.0	64.6
NCCU	1,345,514	90.2	98.0	96.5	95.1	94.0
UNC Pembroke	1,196,186	98.5	100.0	100.0	96.4	94.0
Subtotal	6,015,766					
Subtotal Percentage		91.8	93.3	44.4	98.0	83.0
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	464,370	81.1	99.1	96.5	99.1	27.8
Subtotal	464,370					
Subtotal Percentage		81.1	99.1	96.5	99.1	27.8
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	739,365	87.7	100.0	100.0	99.0	99.7
Subtotal	739,365					
Subtotal Percentage		87.7	100.0	100.0	99.0	99.7
Schools of Art, Music, & Design						
UNC School of the Arts	779,100	92.4	-	100.0	99.2	84.8
Subtotal	779,100					
Subtotal Percentage		92.4	-	100.0	99.2	84.8
Teaching Hospitals						
UNC Hospitals	1,194,183	100.0	100.0	85.3	-	-
Subtotal	1,194,183					
Subtotal Percentage		100.0	100.0	85.3	-	-
Grand Total	46,379,535					
Grand Total Percentage		93.6	89.7	79.1	96.4	87.6

Table 25. (Continued) Percentage Distribution of Accessible Area by Summary Programs

Institution	Inst. Admin. 60	Physical Plant 70	Indep.Opns. 90	Unassigned 00
Doctoral Universities: Very High Research Activity				
NC State	91.6	86.0	94.8	74.5
NC State Veterinary Med	99.3	99.4	100.0	0.0
UNC-Chapel Hill	100.0	100.0	100.0	93.7
UNC-Chapel Hill Hlth Aff.	99.7	100.0	100.0	93.1
Subtotal Percentage	95.8	95.1	97.1	80.8
Doctoral Universities: High Research Activity				
East Carolina	88.1	40.9	100.0	63.2
East Carolina Hlth Aff.	85.0	61.3	-	21
N.C. A&T	99.5	78.2	100.0	84.9
UNC Charlotte	94.8	89.0	-	96.4
UNC Greensboro	89.1	70.0	100.0	51.0
UNC Wilmington	97.5	99	73.0	65.5
Subtotal Percentage	93.1	66.8	92.4	77.0
Doctoral/Professional Universities				
Western Carolina	56.2	98.5	100.0	100.0
Winston-Salem	67.9	95.8	100.0	68.9
Subtotal Percentage	60.5	97.7	100.0	87.2
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	80.5	87.4	100.0	100.0
Fayetteville	96.8	100.0	88.0	94.5
NCCU	82.5	80.1	99.4	88.6
UNC Pembroke	98.0	100.0	-	-
Subtotal Percentage	86.9	92.0	96.3	92.9
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	33.0	0.9	100.0	-
Subtotal Percentage	33.0	0.9	100.0	-
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	83.1	100.0	-	64.5
Subtotal Percentage	83.1	100.0	-	64.5
Schools of Art, Music, & Design				
UNC School of the Arts	88.6	96.6	100.0	92.9
Subtotal Percentage	88.6	96.6	100.0	92.9
Teaching Hospitals				
UNC Hospitals	100.0	98.5	100.0	100.0
Subtotal Percentage	100.0	98.5	100.0	100.0
Grand Total Percentage	89.7	81.8	96.2	83.6

**Table 25a. Accessible Area by Instruction, Research,
and Public Service Subprograms**

Institution	General Academic Instruction 11	Vocational Technical Instruction 12	Preparatory Remedial Instruction 13	General Studies 14	Occupational Related Instruction 15	Social Roles Instruction 16	Home & Family Life 17
Doctoral Universities: Very High Research Activity							
NC State	90.6	-	-	100.0	-	-	-
NC State Veterinary Med	88.7	-	-	-	-	-	-
UNC-Chapel Hill	99.9	-	-	100.0	100.0	-	-
UNC-Chapel Hill Hlth Aff.	99.4	-	100.0	100.0	100.0	-	-
Subtotal Percentage	95.7	-	100.0	100.0	100.0	-	-
Doctoral Universities: High Research Activity							
East Carolina	90.2	-	100.0	-	-	-	-
East Carolina Hlth Aff.	86.0	-	-	-	100.0	-	-
N.C. A&T	92.7	-	-	-	-	-	-
UNC Charlotte	96.8	-	-	-	-	-	-
UNC Greensboro	95.4	-	0.0	-	-	-	-
UNC Wilmington	96.4	-	-	100.0	-	-	-
Subtotal Percentage	93.5	-	28.6	100.0	100.0	-	-
Doctoral/Professional Universities							
Western Carolina	94.9	-	98.6	100.0	-	-	-
Winston-Salem	91.1	-	100.0	-	-	-	-
Subtotal Percentage	93.5	-	99.3	100.0	-	-	-
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	88.2	-	-	100.0	-	-	-
Fayetteville	100.0	-	-	100.0	-	-	-
NCCU	90.2	-	-	-	-	-	-
UNC Pembroke	98.4	-	100.0	98.2	100.0	-	100.0
Subtotal Percentage	91.7	-	100.0	99.1	100.0	-	100.0
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	80.8	-	-	100.0	-	-	-
Subtotal Percentage	80.8	-	-	100.0	-	-	-
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	87.7	-	-	100.0	-	-	-
Subtotal Percentage	87.7	-	-	100.0	-	-	-
Schools of Art, Music, & Design							
UNC School of the Arts	92.4	-	-	-	-	-	-
Subtotal Percentage	92.4	-	-	-	-	-	-
Teaching Hospitals							
UNC Hospitals	100.0	-	-	100.0	-	-	-
Subtotal Percentage	100.0	-	-	100.0	-	-	-
Grand Total Percentage	93.6	-	90.7	99.9	100.0	-	100.0

**Table 25a. (Continued) Accessible Area by Instruction, Research,
and Public Service Subprograms**

Institution	Health Care Services 32	Community Services 33	Cooperative Extension Services 34	Public Broadcasting Services 35
Doctoral Universities: Very High Research Activity				
NC State	-	90.6	48.1	100.0
NC State Veterinary Med	97.5	-	100.0	-
UNC-Chapel Hill	100.0	99.5	100.0	100.0
UNC-Chapel Hill Hlth Aff.	99.8	100.0	100.0	-
<i>Subtotal Percentage</i>	<i>99.2</i>	<i>92.3</i>	<i>48.6</i>	<i>100.0</i>
Doctoral Universities: High Research Activity				
East Carolina	67.0	100.0	-	96.6
East Carolina Hlth Aff.	54.3	100.0	-	-
N.C. A&T	-	98.1	93.3	100.0
UNC Charlotte	-	99.8	-	-
UNC Greensboro	-	68.1	-	-
UNC Wilmington	100.0	98.8	-	-
<i>Subtotal Percentage</i>	<i>56.9</i>	<i>98.3</i>	<i>93.3</i>	<i>98.0</i>
Doctoral/Professional Universities				
Western Carolina	-	82.1	-	100.0
Winston-Salem	-	86.4	-	100.0
<i>Subtotal Percentage</i>	<i>-</i>	<i>83.5</i>	<i>-</i>	<i>100.0</i>
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	-	20.5	-	-
Fayetteville	-	100.0	-	100.0
NCCU	-	100.0	-	94.7
UNC Pembroke	-	100.0	-	-
<i>Subtotal Percentage</i>	<i>-</i>	<i>32.0</i>	<i>-</i>	<i>94.9</i>
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	-	96.5	-	-
<i>Subtotal Percentage</i>	<i>-</i>	<i>96.5</i>	<i>-</i>	<i>-</i>
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	-	100.0	-	100.0
<i>Subtotal Percentage</i>	<i>-</i>	<i>100.0</i>	<i>-</i>	<i>100.0</i>
Schools of Art, Music, & Design				
UNC School of the Arts	-	100.0	-	-
<i>Subtotal Percentage</i>	<i>-</i>	<i>100.0</i>	<i>-</i>	<i>-</i>
Teaching Hospitals				
UNC Hospitals	89.1	-	-	-
<i>Subtotal Percentage</i>	<i>89.1</i>	<i>-</i>	<i>-</i>	<i>-</i>
Grand Total Percentage	84.6	84.3	50.8	98.4

**Table 25a. (Continued) Accessible Area by Instruction, Research,
and Public Service Subprograms**

Institution	Health Care Services 32	Community Services 33	Cooperative Extension Services 34	Public Broadcasting Services 35
Doctoral Universities: Very High Research Activity				
NC State	-	90.6	48.1	100.0
NC State Veterinary Med	97.5	-	100.0	-
UNC-Chapel Hill	100.0	99.5	100.0	100.0
UNC-Chapel Hill Hlth Aff.	99.8	100.0	100.0	-
Subtotal Percentage	99.2	92.3	48.6	100.0
Doctoral Universities: High Research Activity				
East Carolina	67.0	100.0	-	96.6
East Carolina Hlth Aff.	54.3	100.0	-	-
N.C. A&T	-	98.1	93.3	100.0
UNC Charlotte	-	99.8	-	-
UNC Greensboro	-	68.1	-	-
UNC Wilmington	100.0	98.8	-	-
Subtotal Percentage	56.9	98.3	93.3	98.0
Doctoral/Professional Universities				
Western Carolina	-	82.1	-	100.0
Winston-Salem	-	86.4	-	100.0
Subtotal Percentage	-	83.5	-	100.0
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	-	20.5	-	-
Fayetteville	-	100.0	-	100.0
NCCU	-	100.0	-	94.7
UNC Pembroke	-	100.0	-	-
Subtotal Percentage	-	32.0	-	94.9
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	-	96.5	-	-
Subtotal Percentage	-	96.5	-	-
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	-	100.0	-	100.0
Subtotal Percentage	-	100.0	-	100.0
Schools of Art, Music, & Design				
UNC School of the Arts	-	100.0	-	-
Subtotal Percentage	-	100.0	-	-
Teaching Hospitals				
UNC Hospitals	89.1	-	-	-
Subtotal Percentage	89.1	-	-	-
Grand Total Percentage	84.6	84.3	50.8	98.4

Table 25b. Accessible Area by Academic Support Subprograms

Institution	Library Services 41	Museums & Galleries 42	Educational & Media Services 43	Academic Computing Support 44
Doctoral Universities: Very High Research Activity				
NC State	99.1	100.0	100.0	58.9
NC State Veterinary Med	100.0	-	100.0	9.7
UNC-Chapel Hill	98.5	100.0	100.0	100.0
UNC-Chapel Hill Hlth Aff.	100.0	100.0	100.0	100.0
<i>Subtotal Percentage</i>	<i>98.8</i>	<i>100.0</i>	<i>100.0</i>	<i>68.6</i>
Doctoral Universities: High Research Activity				
East Carolina	95.2	100.0	100.0	8.9
East Carolina Hlth Aff.	99.5	0.0	100.0	-
N.C. A&T	100.0	100.0	100.0	100.0
UNC Charlotte	99.4	98.8	97.6	99.9
UNC Greensboro	85.3	100.0	23.6	82.4
UNC Wilmington	99.8	100.0	100.0	99.2
<i>Subtotal Percentage</i>	<i>96.4</i>	<i>95.4</i>	<i>68.7</i>	<i>91.4</i>
Doctoral/Professional Universities				
Western Carolina	100.0	78.8	100.0	18.4
Winston-Salem	100.0	92.9	100.0	100.0
<i>Subtotal Percentage</i>	<i>100.0</i>	<i>86.2</i>	<i>100.0</i>	<i>74.3</i>
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	100.0	-	-	100.0
Fayetteville	100.0	100.0	100.0	100.0
NCCU	99.3	100.0	100.0	100.0
UNC Pembroke	100.0	100.0	100.0	100.0
<i>Subtotal Percentage</i>	<i>99.8</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	100.0	-	100.0	97.0
<i>Subtotal Percentage</i>	<i>100.0</i>	<i>-</i>	<i>100.0</i>	<i>97.0</i>
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	100.0	100.0	-	100.0
<i>Subtotal Percentage</i>	<i>100.0</i>	<i>100.0</i>	<i>-</i>	<i>100.0</i>
Schools of Art, Music, & Design				
UNC School of the Arts	100.0	100.0	100.0	42.2
<i>Subtotal Percentage</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>42.2</i>
Teaching Hospitals				
UNC Hospitals	-	-	-	-
<i>Subtotal Percentage</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
Grand Total Percentage	98.3	96.0	90.8	78.6

Table 25b. (Continued) Accessible Area by Academic Support Subprograms

Institution	Ancillary Support 45	Academic Admin. 46	Course & Curriculum Dev. 47	Academic Personnel Dev. 48
Doctoral Universities: Very High Research Activity				
NC State	100.0	96.2	100.0	100.0
NC State Veterinary Med	100.0	98.7	-	-
UNC-Chapel Hill	100.0	100.0	100.0	100.0
UNC-Chapel Hill Hlth Aff.	97.8	100.0	100.0	100.0
Subtotal Percentage	98.3	99.2	100.0	100.0
Doctoral Universities: High Research Activity				
East Carolina	100.0	89.4	-	-
East Carolina Hlth Aff.	100.0	99.4	-	-
N.C. A&T	95.2	87.3	-	-
UNC Charlotte	-	98.6	-	-
UNC Greensboro	97.9	91.8	-	100.0
UNC Wilmington	100.0	99.7	100.0	100.0
Subtotal Percentage	96.0	95.5	100.0	100.0
Doctoral/Professional Universities				
Western Carolina	100.0	94.4	-	100.0
Winston-Salem	100.0	93.9	-	-
Subtotal Percentage	100.0	94.2	-	100.0
Master's Colleges & Universities: Larger/Medium Programs				
Appalachian	100.0	100.0	100.0	-
Fayetteville	100.0	100.0	-	-
NCCU	59.1	93.4	-	100.0
UNC Pembroke	89.9	94.5	-	-
Subtotal Percentage	87.0	96.2	100.0	100.0
Baccalaureate Colleges: Arts & Sciences Focus				
UNC Asheville	100.0	100.0	-	0.0
Subtotal Percentage	100.0	100.0	-	0.0
Baccalaureate Colleges: Diverse Fields				
Elizabeth City	87.5	100.0	-	-
Subtotal Percentage	87.5	100.0	-	-
Schools of Art, Music, & Design				
UNC School of the Arts	100.0	95.5	-	-
Subtotal Percentage	100.0	95.5	-	-
Teaching Hospitals				
UNC Hospitals	-	-	-	-
Subtotal Percentage	-	-	-	-
Grand Total Percentage	95.2	96.5	100.0	98.0

**Table 25c. Accessible Area by Student Service and
Physical Plant Operations Subprograms**

Institution	Student Svcs Admin 51	Social & Cultural Dev. 52	Couns / Career Guid. 53	Finan. Aid Admin. 54	Student Aux. Svcs 55	Inter- coll Athl. 56
Doctoral Universities: Very High Research Activity						
NC State	99.5	96.7	99.0	100.0	74.5	99.3
NC State Veterinary Med	-	-	-	-	100.0	-
UNC-Chapel Hill	100.0	100.0	100.0	100.0	100.0	100.0
UNC-Chapel Hill Hlth Aff.	100.0	100.0	100.0	100.0	100.0	-
Subtotal Percentage	99.8	98.3	99.5	100.0	88.4	99.7
Doctoral Universities: High Research Activity						
East Carolina	93.8	85.1	70.5	100.0	99.5	82.5
East Carolina Hlth Aff.	100.0	-	-	-	51.9	-
N.C. A&T	77.8	92.5	100.0	100.0	79.0	69.0
UNC Charlotte	99.2	98.2	85.6	100.0	96.5	96.9
UNC Greensboro	96.1	94.3	100.0	97.7	84.2	83.7
UNC Wilmington	99.5	84.4	100.0	100.0	97.5	89.1
Subtotal Percentage	95.4	91.2	91.4	99.7	92.5	84.6
Doctoral/Professional Universities						
Western Carolina	100.0	98.6	100.0	100.0	59.6	94.4
Winston-Salem	77.1	100.0	100.0	100.0	90.2	100.0
Subtotal Percentage	85.2	99.1	100.0	100.0	72.8	96.5
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	100.0	99.4	100.0	97.0	70.6	100.0
Fayetteville	100.0	43.7	100.0	100.0	63.5	98.2
NCCU	100.0	96.5	86.7	100.0	94.8	80.7
UNC Pembroke	95.9	80.3	-	100.0	94.9	96.9
Subtotal Percentage	98.1	90.2	94.0	98.5	79.5	96.8
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	86.1	36.8	45.2	100.0	30.2	0.0
Subtotal Percentage	86.1	36.8	45.2	100.0	30.2	0.0
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	100.0	100.0	100.0	100.0	99.8	95.1
Subtotal Percentage	100.0	100.0	100.0	100.0	99.8	95.1
Schools of Art, Music, & Design						
UNC School of the Arts	100.0	93.0	100.0	100.0	81.9	-
Subtotal Percentage	100.0	93.0	100.0	100.0	81.9	-
Teaching Hospitals						
UNC Hospitals	-	-	-	-	-	-
Subtotal Percentage	-	-	-	-	-	-
Grand Total Percentage	95.8	91.3	94.4	99.6	86.0	92.3

**Table 25c. (Continued) Accessible Area by Student Service and
Physical Plant Operations Subprograms**

Institution	Student Hlth/Med Svc. 57	Phys. Plant Admin. 71	Bldg. Maint. 72	Cust'l Svcs. 73	Utilities 74	Landscp Grounds Maint. 75
Doctoral Universities: Very High Research Activity						
NC State	98.3	100.0	100.0	100.0	84.8	72.1
NC State Veterinary Med	-	-	98.6	100.0	100.0	100.0
UNC-Chapel Hill	100.0	100.0	100.0	100.0	100.0	100.0
UNC-Chapel Hill Hlth Aff.	-	-	100.0	100.0	100.0	100.0
Subtotal Percentage	99.1	100.0	99.8	100.0	95.9	85.7
Doctoral Universities: High Research Activity						
East Carolina	91.5	57.5	35.1	90.1	-	60.3
East Carolina Hlth Aff.	-	0.0	-	100.0	100.0	0.0
N.C. A&T	31.0	100.0	87.7	70.2	8.1	100.0
UNC Charlotte	86.3	88.6	90.1	98.1	16.9	-
UNC Greensboro	100.0	98.0	98.6	61.8	63.2	36.2
UNC Wilmington	98.8	98.9	99.8	96.1	100.0	100.0
Subtotal Percentage	81.2	86.5	67.6	91.6	72.4	43.8
Doctoral/Professional Universities						
Western Carolina	100.0	100.0	88.0	100.0	100.0	100.0
Winston-Salem	100.0	93.2	98.8	96.6	100.0	100.0
Subtotal Percentage	100.0	98.6	92.0	97.4	100.0	-
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	100.0	97.3	81.9	-	100.0	-
Fayetteville	100.0	100.0	100.0	100.0	100.0	100.0
NCCU	82.4	64.6	82.5	100.0	100.0	100.0
UNC Pembroke	100.0	100.0	100.0	100.0	100.0	100.0
Subtotal Percentage	97.5	96.4	86.5	76.2	100.0	100.0
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	0.0	0.0	0.0	13.7	0.5	-
Subtotal Percentage	0.0	0.0	0.0	13.7	0.5	-
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	100.0	100.0	100.0	-	100.0	-
Subtotal Percentage	100.0	100.0	100.0	-	100.0	-
Schools of Art, Music, & Design						
UNC School of the Arts	44.6	82.5	100.0	100.0	-	100.0
Subtotal Percentage	44.6	82.5	100.0	100.0	-	100.0
Teaching Hospitals						
UNC Hospitals	-	-	100.0	94.3	-	-
Subtotal Percentage	-	-	100.0	94.3	-	-
Grand Total Percentage	88.4	94.9	76.8	91.6	80.4	77.4

**Table 25d. Accessible Area by Institutional Administration,
Independent Operations and Unassigned Subprograms**

Institution	Exec. Mgmt 61	Fin. Mgmt 62	Gen Ad Log Svc 63	Admin Comp 64	Fac/Stf Aux. Svcs 65	P.R. Devel. 66
Doctoral Universities: Very High Research Activity						
NC State	99.9	98.0	98.9	88.2	63.1	97.0
NC State Veterinary Med	-	100.0	100.0	72.7	100.0	-
UNC-Chapel Hill	100.0	99.9	100.0	100.0	100.0	100.0
UNC-Chapel Hill Hlth Aff.	100.0	100.0	99.4	100.0	100.0	100.0
Subtotal Percentage	100.0	99.5	99.4	95.8	71.6	98.4
Doctoral Universities: High Research Activity						
East Carolina	78.4	99.7	80.2	96.2	96.3	88.3
East Carolina Hlth Aff.	100.0	72.0	91.7	100.0	-	100.0
N.C. A&T	100.0	100.0	99.9	94.3	100.0	100.0
UNC Charlotte	98.7	82.6	90.5	99.5	100.0	100.0
UNC Greensboro	99.8	100.0	94.5	99.2	44.3	90.4
UNC Wilmington	99.2	98.6	95.8	99.3	100.0	97.4
Subtotal Percentage	88.8	94.2	94.5	97.9	75.0	95.4
Doctoral/Professional Universities						
Western Carolina	77.3	100.0	100.0	91.5	6.5	81.0
Winston-Salem	90.4	69.9	62.6	97.5	51.5	63.3
Subtotal Percentage	83.4	82.5	78.0	93.0	17.8	76.3
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	100.0	90.8	76.6	100.0	91.7	81.3
Fayetteville	98.0	100.0	100.0	78.4	98.4	69.4
NCCU	100.0	100.0	60.6	97.2	100.0	100.0
UNC Pembroke	100.0	99.2	100.0	99.4	100.0	67.4
Subtotal Percentage	99.4	96.9	78.0	98.4	97.5	81.9
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	19.8	67.8	12.6	100.0	8.8	24.5
Subtotal Percentage	19.8	67.8	12.6	100.0	8.8	24.5
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	100.0	100.0	98.8	100.0	41.7	100.0
Subtotal Percentage	100.0	100.0	98.8	100.0	41.7	100.0
Schools of Art, Music, & Design						
UNC School of the Arts	88.3	100.0	93.7	100.0	100.0	35.8
Subtotal Percentage	88.3	100.0	93.7	100.0	100.0	35.8
Teaching Hospitals						
UNC Hospitals	100.0	100.0	100.0	100.0	100.0	100.0
Subtotal Percentage	100.0	100.0	100.0	100.0	100.0	100.0
Grand Total Percentage	89.6	95.5	93.3	96.9	62.0	90.1

**Table 25d. (Cont'd) Accessible Area by Institutional Administration,
Independent Operations and Unassigned Subprograms**

Institution	Stud't Admiss 67	Stud't Records 68	Ind. Operations		Unassigned	
			Inst. 91	Ext. Agency 92	Usable 01	Unusable 02
Doctoral Universities: Very High Research Activity						
NC State	100.0	-	78.4	95.1	81.9	73.5
NC State Veterinary Med	-	-	-	100.0	0.0	-
UNC-Chapel Hill	100.0	100.0	100.0	100.0	99.1	90.4
UNC-Chapel Hill Hlth Aff.	100.0	100.0	100.0	100.0	99.8	74.7
Subtotal Percentage	100.0	100.0	98.8	96.7	90.8	77.3
Doctoral Universities: High Research Activity						
East Carolina	60.3	77.5	-	100.0	-	63.2
East Carolina Hlth Aff.	-	100.0	-	-	100.0	0.0
N.C. A&T	100.0	100.0	100.0	100.0	45.6	97.2
UNC Charlotte	100.0	97.7	-	-	94.3	100.0
UNC Greensboro	98.0	74.0	-	100.0	100.0	46.0
UNC Wilmington	100.0	99.4	36.0	86.2	100.0	54.3
Subtotal Percentage	94.1	91.4	61.5	96.7	93.7	68.9
Doctoral/Professional Universities						
Western Carolina	100.0	100.0	100.0	100.0	100.0	100.0
Winston-Salem	100.0	100.0	100.0	100.0	62.5	100.0
Subtotal Percentage	100.0	100.0	-	100.0	66.3	100.0
Master's Colleges & Universities: Larger/Medium Programs						
Appalachian	85.4	17.0	100.0	100.0	100.0	100.0
Fayetteville	100.0	100.0	45.5	100.0	86.5	100.0
NCCU	100.0	100.0	100.0	99.4	88.0	88.8
UNC Pembroke	100.0	100.0	-	-	-	100.0
Subtotal Percentage	92.4	48.7	84.3	99.7	90.0	94.6
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	100.0	85.5	-	100.0	-	-
Subtotal Percentage	100.0	85.5	-	100.0	-	-
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	100.0	100.0	-	-	60.7	72.5
Subtotal Percentage	100.0	100.0	-	-	60.7	72.5
Schools of Art, Music, & Design						
UNC School of the Arts	100.0	100.0	-	-	87.9	100.0
Subtotal Percentage	100.0	100.0	100.0	-	87.9	100.0
Teaching Hospitals						
UNC Hospitals	-	-	-	100.0	100.0	100.0
Subtotal Percentage	-	-	-	100.0	100.0	100.0
Grand Total Percentage	96.8	82.9	88.9	97.6	86.2	82.3

Table 26: Accessible Area by Room Codes

Table 26 indicates for each of the ten summary room codes the amount and percentage of assignable area that is accessible to people with mobility impairments. It represents an additional source of information which, when viewed in conjunction with Tables 25-25d, creates a detailed profile of the accessible space on a campus.

Table 26. Accessible Area by Room Codes

	Total Accessible Area	Classroom Facilities 100		Laboratory Facilities 200		Office Facilities 300	
Institution		ASF	%	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity							
NC State	7,822,801	260,317	99.7	1,628,849	96.8	1,898,770	97.4
NC State Veterinary Med	425,892	7,596	97.9	97,689	95.5	96,016	99.0
UNC-Chapel Hill	7,638,534	277,710	100.0	616,450	100.0	1,680,252	99.2
UNC-Chapel Hill Hlth Aff.	2,538,966	90,120	100.0	820,920	99.9	1,030,966	98.
Subtotal	18,426,193	635,743		3,163,908		4,706,004	
Subtotal Percentage			99.8		98.2		98.3
Doctoral Universities: High Research Activity							
East Carolina	3,091,917	161,207	94.7	391,806	88.6	683,826	84.3
East Carolina Hlth Aff.	894,470	41,968	95.6	184,239	95.1	369,467	82.0
N.C. A&T	2,033,179	132,831	92.5	328,803	90.4	421,263	90.4
UNC Charlotte	4,004,199	226,496	90.1	588,339	99.7	941,262	97.9
UNC Greensboro	3,088,046	157,718	98.7	409,148	95.9	603,463	91.7
UNC Wilmington	2,762,925	152,011	94.7	287,171	97.7	491,366	98.9
Subtotal	15,874,736	872,231		2,189,506		3,510,647	
Subtotal Percentage			93.8		94.8		91.3
Doctoral/Professional Universities							
Western Carolina	1,728,447	92,766	94.3	220,964	97.3	347,918	97.2
Winston-Salem	1,157,375	74,426	85.7	107,183	92.4	208,765	89.8
Subtotal	2,885,822	167,192		328,147		556,683	
Subtotal Percentage			90.3		95.6		94.3
Master's Colleges & Universities: Larger/Medium Programs							
Appalachian	2,696,889	199,804	86.6	288,894	88.0	551,526	88.2
Fayetteville	777,177	56,105	99.9	64,095	100.0	180,042	89.1
NCCU	1,345,514	108,896	86.7	132,249	90.5	288,327	91.5
UNC Pembroke	1,196,186	101,313	99.0	76,773	99.8	202,341	94.9
Subtotal	6,015,766	466,118		562,011		1,222,236	
Subtotal Percentage			90.5		91.3		90.2
Baccalaureate Colleges: Arts & Sciences Focus							
UNC Asheville	464,370	40,613	89.8	93,514	81.1	100,659	63.1
Subtotal	464,370	40,613		93,514		100,659	
Subtotal Percentage			89.8		81.1		63.1
Baccalaureate Colleges: Diverse Fields							
Elizabeth City	739,365	67,961	88.5	55,524	82.2	105,875	91.6
Subtotal	739,365	67,961		55,524		105,875	
Subtotal Percentage			88.5		82.2		91.6
Schools of Art, Music, & Design							
UNC School of the Arts	779,100	26,920	61.7	199,537	96.2	98,384	90.4
Subtotal	779,100	26,920		199,537		98,384	
Subtotal Percentage			61.7		96.2		90.4
Teaching Hospitals							
UNC Hospitals	1,194,183	9,926	100.0	10,829	100.0	334,517	90.0
Subtotal	1,194,183	9,926		10,829		334,517	
Subtotal Percentage			100.0		100.0		90.0
Grand Total	46,379,535	2,286,704		6,602,976		10,635,005	
Grand Total Percentage			93.7		95.8		93.8

Table 26. (Continued) Accessible Area by Room Codes

Institution	Study Facilities 400		Special Use Facilities 500		General Use Facilities 600		Support Facilities 700	
	ASF	%	ASF	%	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity								
NC State	358,882	97.8	1,066,688	61.8	751,584	96.9	319,581	74.0
NC State Veterinary Med	10,739	100.0	59,448	78.1	13,242	100.0	25,158	89.6
UNC-Chapel Hill	619,317	100.0	953,949	100.0	883,237	100.0	455,106	100.0
UNC-Chapel Hill Hlth Aff.	51,758	100.0	202,098	99.7	89,650	98.8	34,093	99.5
Subtotal	1,040,696		2,282,183		1,737,713		833,938	
Subtotal Percentage		99.2		77.1		98.5		87.8
Doctoral Universities: High Research Activity								
East Carolina	186,946	97.9	313,267	80.8	368,334	96.2	127,045	68.8
East Carolina Hlth Aff.	66,703	89.3	37,671	33.1	12,748	50.3	20,229	62.2
N.C. A&T	135,628	98.4	210,073	89.8	274,211	91.2	203,389	95.6
UNC Charlotte	231,696	100.0	220,561	97.4	456,132	96.5	53,098	88.1
UNC Greensboro	112,716	81.1	106,273	87.3	511,563	91.1	235,542	86.0
UNC Wilmington	126,767	99.9	219,680	89.1	245,620	93.3	76,941	94.2
Subtotal	860,456		1,107,525		1,868,608		716,244	
Subtotal Percentage		95.5		83.3		93.1		84.7
Doctoral/Professional Universities								
Western Carolina	153,405	99.9	180,397	90.4	279,074	96.0	64,596	97.2
Winston-Salem	57,534	97.6	101,095	100.0	150,509	99.1	37,287	86.7
Subtotal	210,939		281,492		429,583		101,883	
Subtotal Percentage		99.3		93.6		97.0		93.1
Master's Colleges & Universities: Larger/Medium Programs								
Appalachian	100,548	90.3	371,690	86.7	349,328	89.4	104,072	90.7
Fayetteville	66,906	98.1	72,114	99.2	71,546	63.4	17,691	91.1
NCCU	99,228	95.5	116,094	92.3	207,799	97.8	11,521	44.9
UNC Pembroke	37,935	89.0	106,679	98.5	129,878	93.2	53,987	95.8
Subtotal	304,617		666,577		758,551		187,271	
Subtotal Percentage		93.4		90.7		88.7		86.6
Baccalaureate Colleges: Arts & Sciences Focus								
UNC Asheville	56,171	85.7	3,939	3.6	97,859	75.6	8,626	21.2
Subtotal	56,171		3,939		97,859		8,626	
Subtotal Percentage		85.7		3.6		75.6		21.2
Baccalaureate Colleges: Diverse Fields								
Elizabeth City	37,696	97.7	87,210	95.4	95,069	97.8	16,738	98.5
Subtotal	37,696		87,210		95,069		16,738	
Subtotal Percentage		97.7		95.4		97.8		98.5
Schools of Art, Music, & Design								
UNC School of the Arts	47,673	100.0	23,768	100.0	129,940	95.0	80,361	95.0
Subtotal	47,673		23,768		129,940		80,361	
Subtotal Percentage		100.0		100.0		95.0		95.0
Teaching Hospitals								
UNC Hospitals	2,897	89.3	32,493	100.0	53,825	86.4	84,162	98.4
Subtotal	2,897		32,493		53,825		84,162	
Subtotal Percentage		89.3		100.0		86.4		98.4
Grand Total	2,561,145		4,485,187		5,171,148		2,029,223	
Grand Total Percentage		96.9		80.4		94.1		86.4

Table 26. (Continued) Accessible Area by Room Codes

Institution	Health Care Facilities 800		Residential Facilities 900		Unclassified Facilities 000	
	ASF	%	ASF	%	ASF	%
Doctoral Universities: Very High Research Activity						
NC State	32,156	98.9	1,279,232	69.1	226,742	74.1
NC State Veterinary Med	116,004	96.1	0	-	0	0.0
UNC-Chapel Hill	23,037	100.0	2,000,304	100.0	129,172	94.1
UNC-Chapel Hill Hlth Aff.	174,503	99.9	310	100.0	44,548	93.2
Subtotal	345,700		3,279,846		400,462	
Subtotal Percentage		98.5		85.2		80.7
Doctoral Universities: High Research Activity						
East Carolina	6,876	88.2	825,642	100.0	26,968	63.2
East Carolina Hlth Aff.	161,445	73.6	0	-	0	-
N.C. A&T	6,519	50.9	314,706	74.0	5,756	97.6
UNC Charlotte	5,696	73.0	1,215,449	96.6	65,470	96.4
UNC Greensboro	12,710	100.0	931,284	82.2	7,629	46.0
UNC Wilmington	14,837	100.0	1,132,989	96.1	15,543	65.5
Subtotal	208,083		4,420,070		121,366	
Subtotal Percentage		75.6		91.7		77.2
Doctoral/Professional Universities						
Western Carolina	9,470	100.0	333,421	49.6	46,436	100.0
Winston-Salem	3,213	76.0	407,514	86.9	9,849	49.3
Subtotal	12,683		740,935		56,285	
Subtotal Percentage		92.6		64.9		84.7
Master's (Comprehensive) Universities & Colleges I						
Appalachian	11,733	100.0	710,695	69.1	8,599	100.0
Fayetteville	2,319	100.0	151,208	68.5	95,151	94.3
NCCU	2,318	82.6	305,532	94.0	73,550	89.1
UNC Pembroke	7,214	100.0	479,491	95.7	575	100.0
Subtotal	23,584		1,646,926		177,875	
Subtotal Percentage		98.0		79.3		92.3
Baccalaureate Colleges: Arts & Sciences Focus						
UNC Asheville	0	-	62,989	21.3	0	-
Subtotal	0		62,989		0	
Subtotal Percentage		-		21.3		-
Baccalaureate Colleges: Diverse Fields						
Elizabeth City	1,574	100.0	239,234	92.9	32,484	86.7
Subtotal	1,574		239,234		32,484	
Subtotal Percentage		100.0		92.9		86.7
Schools of Art, Music, & Design						
UNC School of the Arts	1,259	41.0	130,156	81.7	41,102	92.6
Subtotal	1,259		130,156		41,102	
Subtotal Percentage		41.0		81.7		92.6
Teaching Hospitals						
UNC Hospitals	619,856	84.2	3,785	100.0	41,893	100.0
Subtotal	619,856		3,785		41,893	
Subtotal Percentage		84.2		100.0		100.0
Grand Total	1,212,739		10,523,941		871,467	
Grand Total Percentage		86.1		83.5		84.1

Institutional Index

Institutional Index				
Institution	Level *	FICE Code	County	City
Appalachian State University	4	002906	Watauga	Boone 28608
East Carolina University	2	002923	Pitt	Greenville 27858
ECU-Health Affairs	2		Pitt	Greenville 27858
Elizabeth City State University	6	002929	Pasquotank	Elizabeth City 27909
Fayetteville State University	4	002928	Cumberland	Fayetteville 28301
N. C. A&T State University	2	002905	Guilford	Greensboro 27411
N. C. Central University	4	002950	Durham	Durham 27707
N. C. State University	1	002972	Wake	Raleigh 27695
NCSU Veterinary School	1		Wake	Raleigh 27695
UNC Asheville	5	002907	Buncombe	Asheville 28804
UNC-Chapel Hill	1	002974	Orange	Chapel Hill 27599
UNC Charlotte	2	002975	Mecklenburg	Charlotte 28223
UNC Greensboro	2	002976	Guilford	Greensboro 27402
UNC-CH Health Affairs	1		Orange	Chapel Hill 27599
UNC School of the Arts	7	003981	Forsyth	Winston-Salem 27117
UNC Pembroke	4	002954	Robeson	Pembroke 28372
UNC Wilmington	2	002984	New Hanover	Wilmington 28403
Western Carolina University	3	002981	Jackson	Cullowhee 28723
Winston-Salem State University	3	002986	Forsyth	Winston-Salem 27110

* The Level Code in this index indicates the Carnegie Classification for the institution. The level codes are a "1" for Doctoral Universities: Very High Research Activity, a "2" for Doctoral Universities: High Research Activity, a "3" for Doctoral/Professional Universities, a "4" for Master's Colleges & Universities: Larger/Medium Programs, a "5" for Baccalaureate Colleges: Arts & Sciences Focus, a "6" for Baccalaureate Colleges: Diverse Fields, and a "7" for Schools of Art, Music, & Design.

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Appendices

The appendices provide additional perspective on utilization of instructional space, room space characteristics, and building characteristics by institution, extending the information presented in the Executive Summary down to the campus level. For ease of comparison, figures are numbered consistently between the two sections, rather than sequentially based on order of appearance. A legend for the graphics is provided on page A65.

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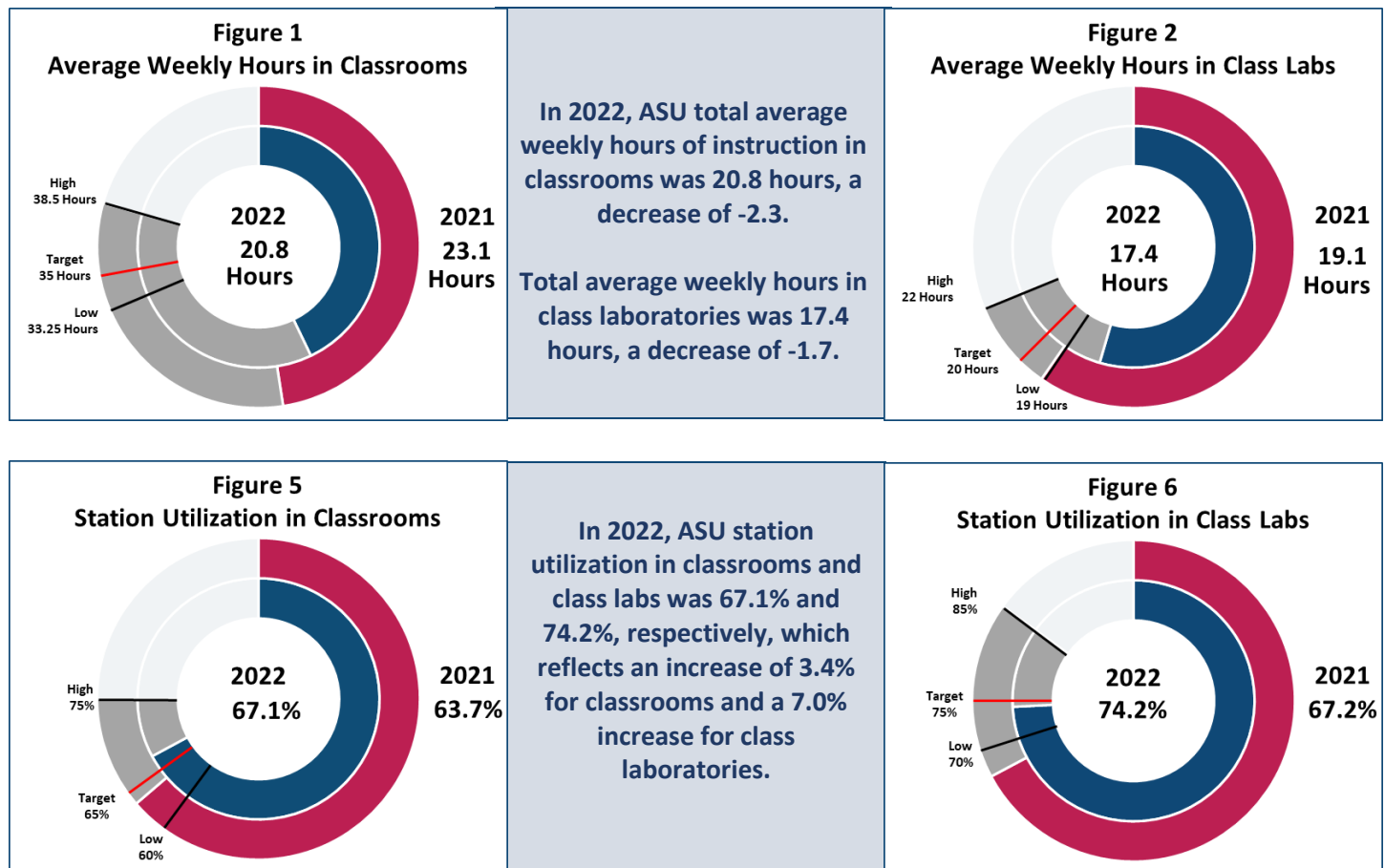
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Legend..... A65

Appalachian State University began as a training school for teachers and has transformed, since its founding in 1899, to a premier public undergraduate institution. Located in the Blue Ridge Mountains in Boone, the university prepares students to lead purposeful lives as global citizens who understand and fulfill their responsibilities to create a sustainable future. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

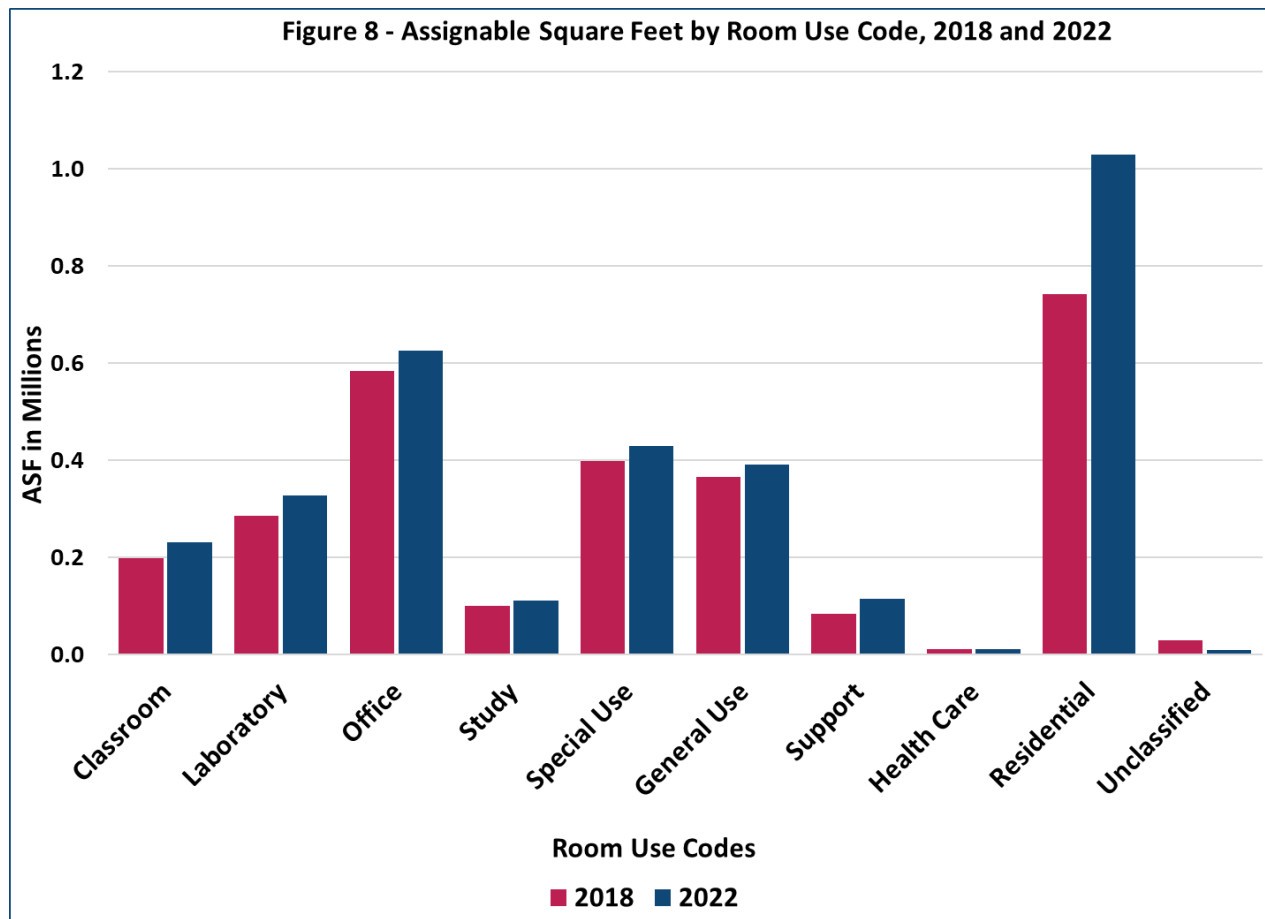
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at ASU increased from 2,940,197 to 3,278,769, or 11.5% from the previous year.

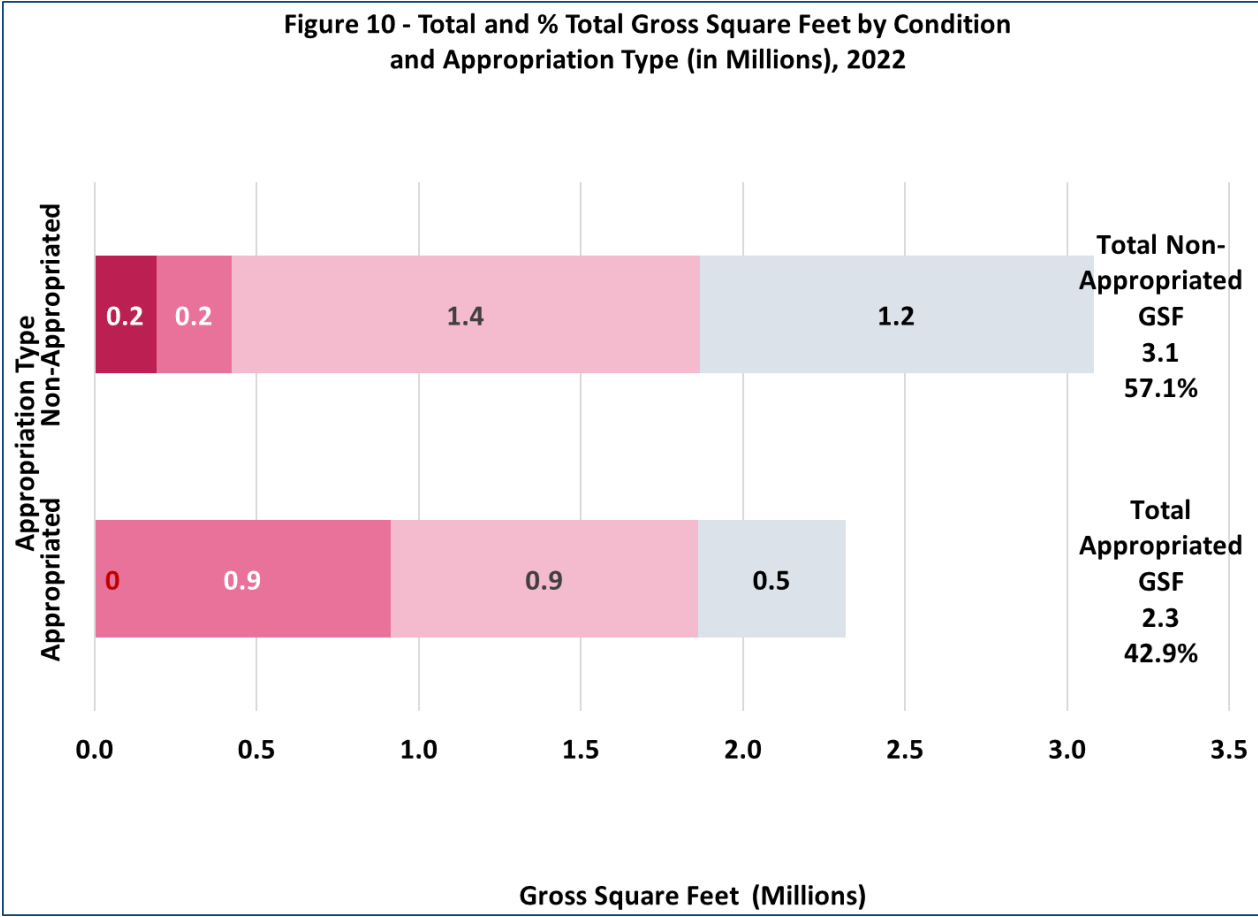
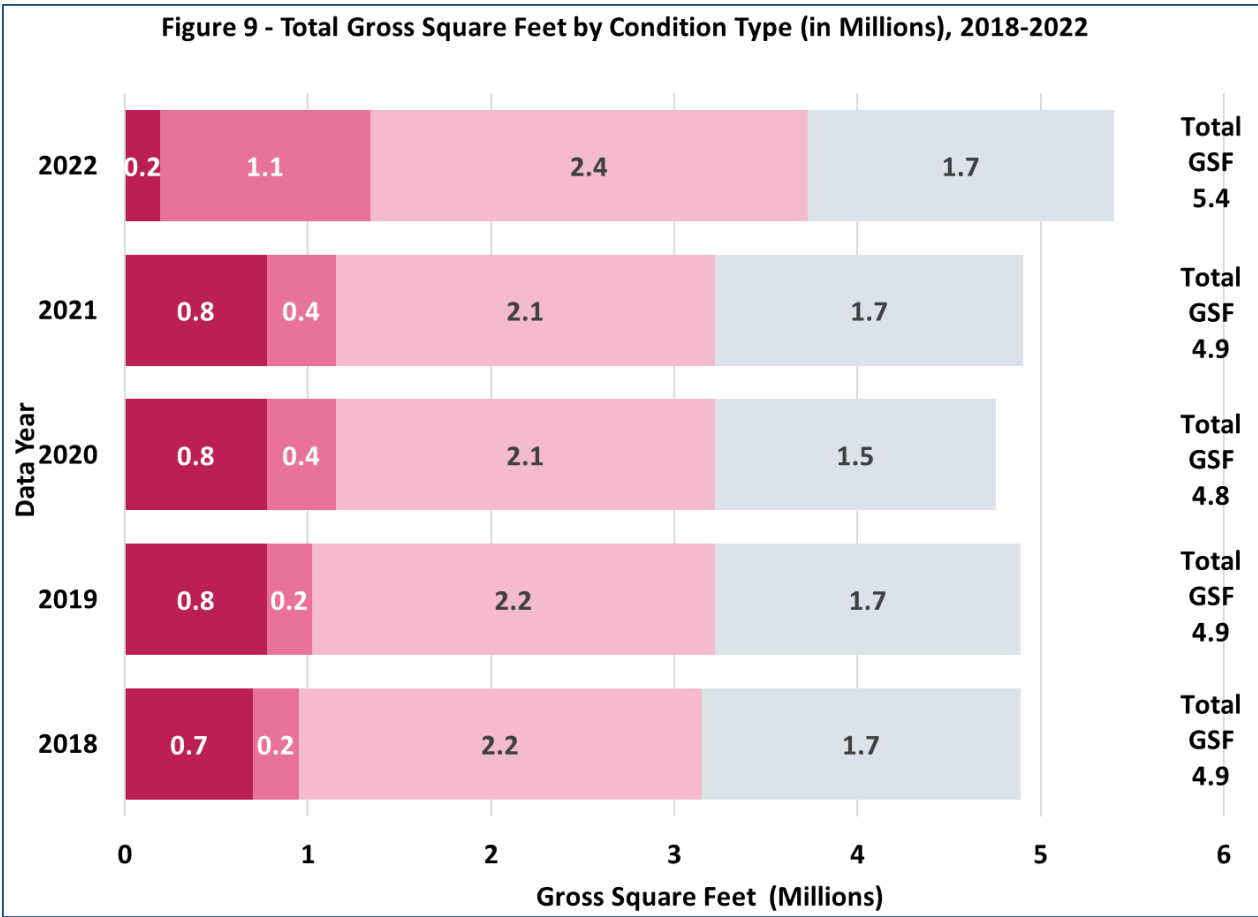
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	969,215	29.56%	32.32%	-2.76%
Research	33,344	1.02%	0.57%	0.45%
Public Service	76,727	2.34%	2.74%	-0.40%
Student Service	1,794,801	54.74%	50.93%	3.81%
Other	404,682	12.34%	13.44%	-1.10%



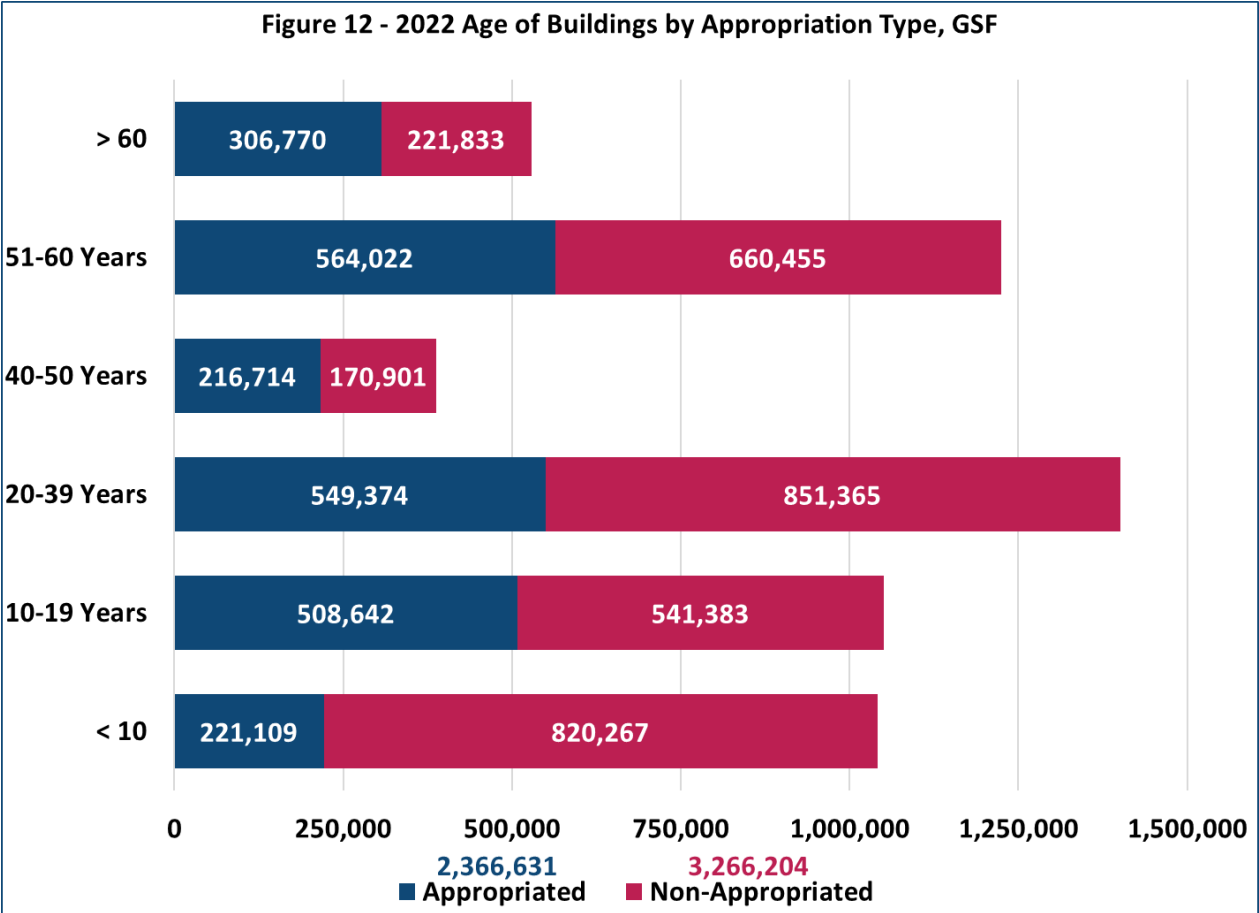
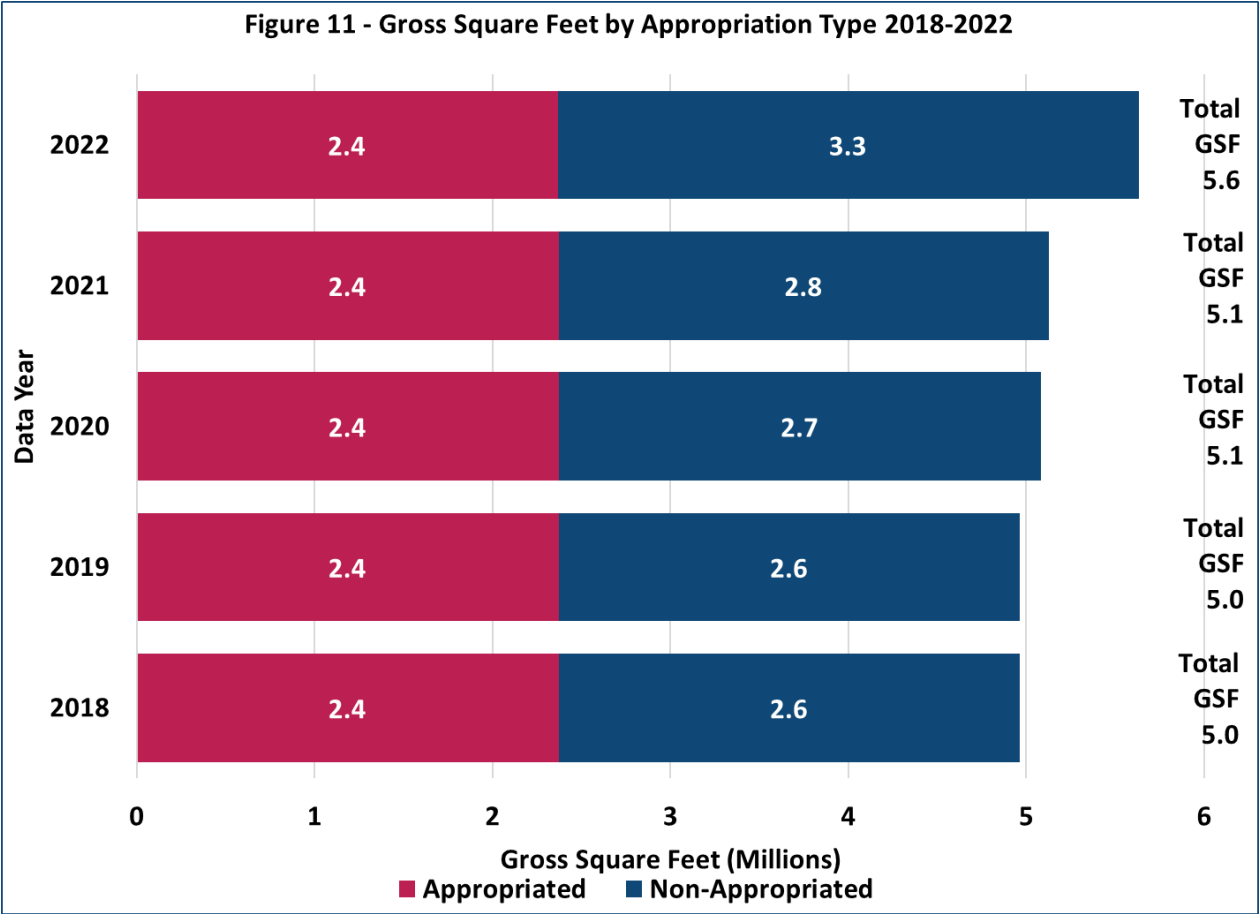
Building Characteristics

Appalachian State University has 5,632,835 gross square feet of space comprised of 123 buildings (24 residential, 99 non-residential; 44 appropriated, 79 non-appropriated; 89 owned, 2 leased, 32 under other agreement terms) with 3,278,769 square feet of assignable space, having increased by 17.2% within the last five years. Since 2021, gross square footage has increased by 338,572 SF, or 11.5%.

Appalachian State University Building Characteristics	
123 Total Buildings	
44 Appropriated	89 Owned
79 Non-Appropriated	2 Leased
32 Other Agreement	
123 Total	123 Total



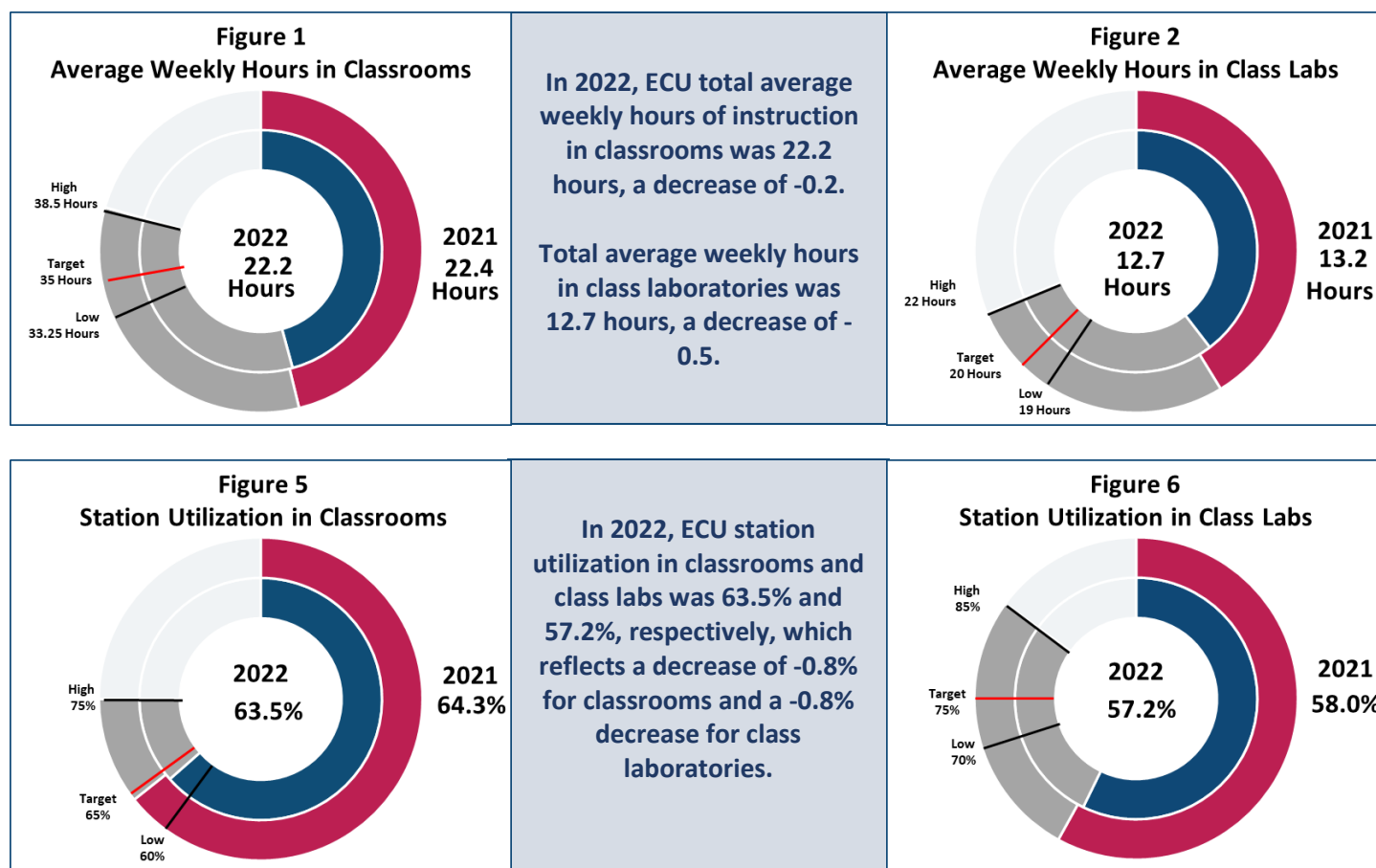
Appalachian State University Summary



East Carolina University Summary

Founded as a teachers college in 1907, East Carolina University is today the only public university in the state with a dental school, medical school, and college of engineering. Located in Greenville, ECU's motto is *Servire*, "service," and its faculty, staff, and almost 29,000 students live by this creed every day. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university. The data in this summary excludes East Carolina Health Affairs.

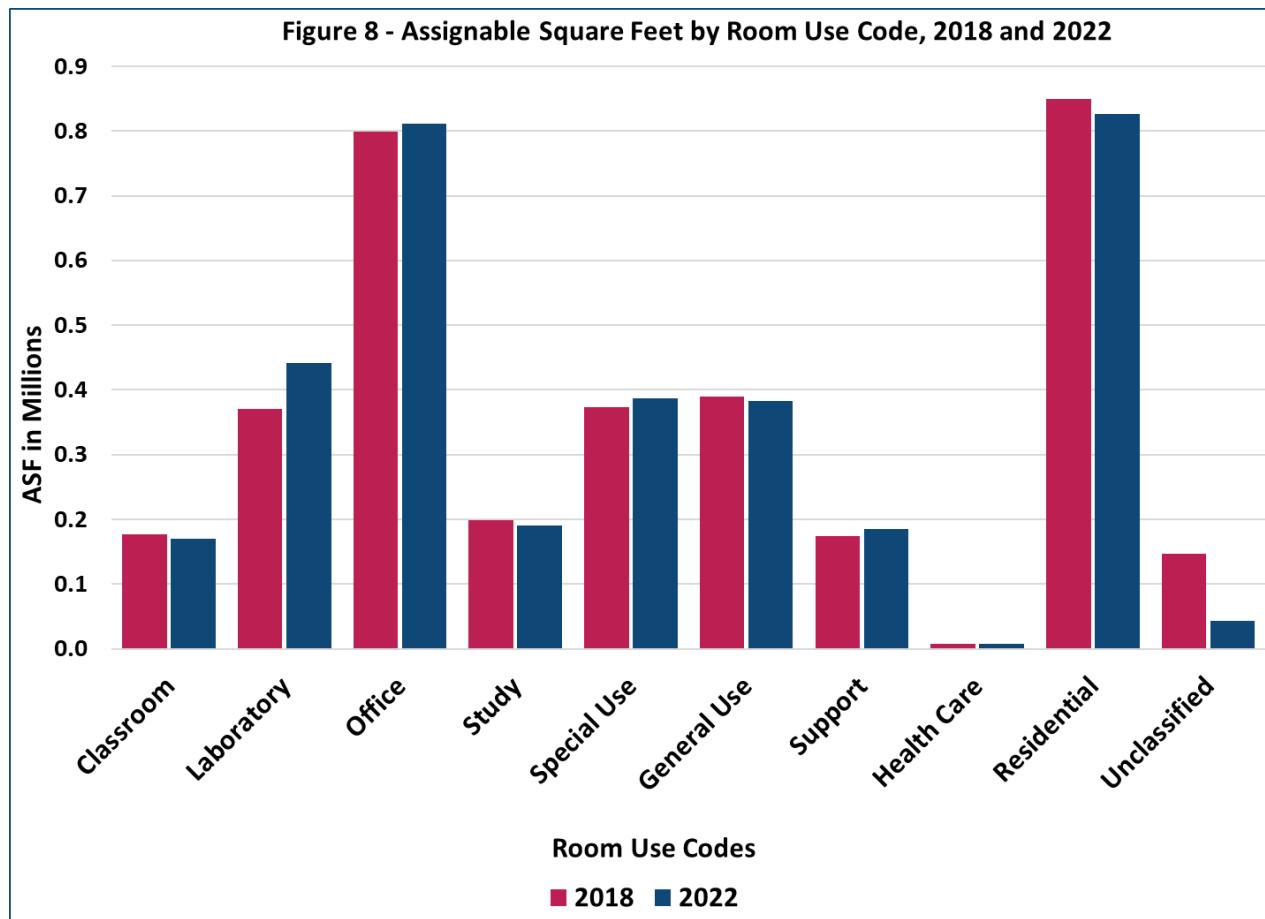
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at ECU increased from 3,391,073 to 3,445,250, or 1.6% from the previous year.

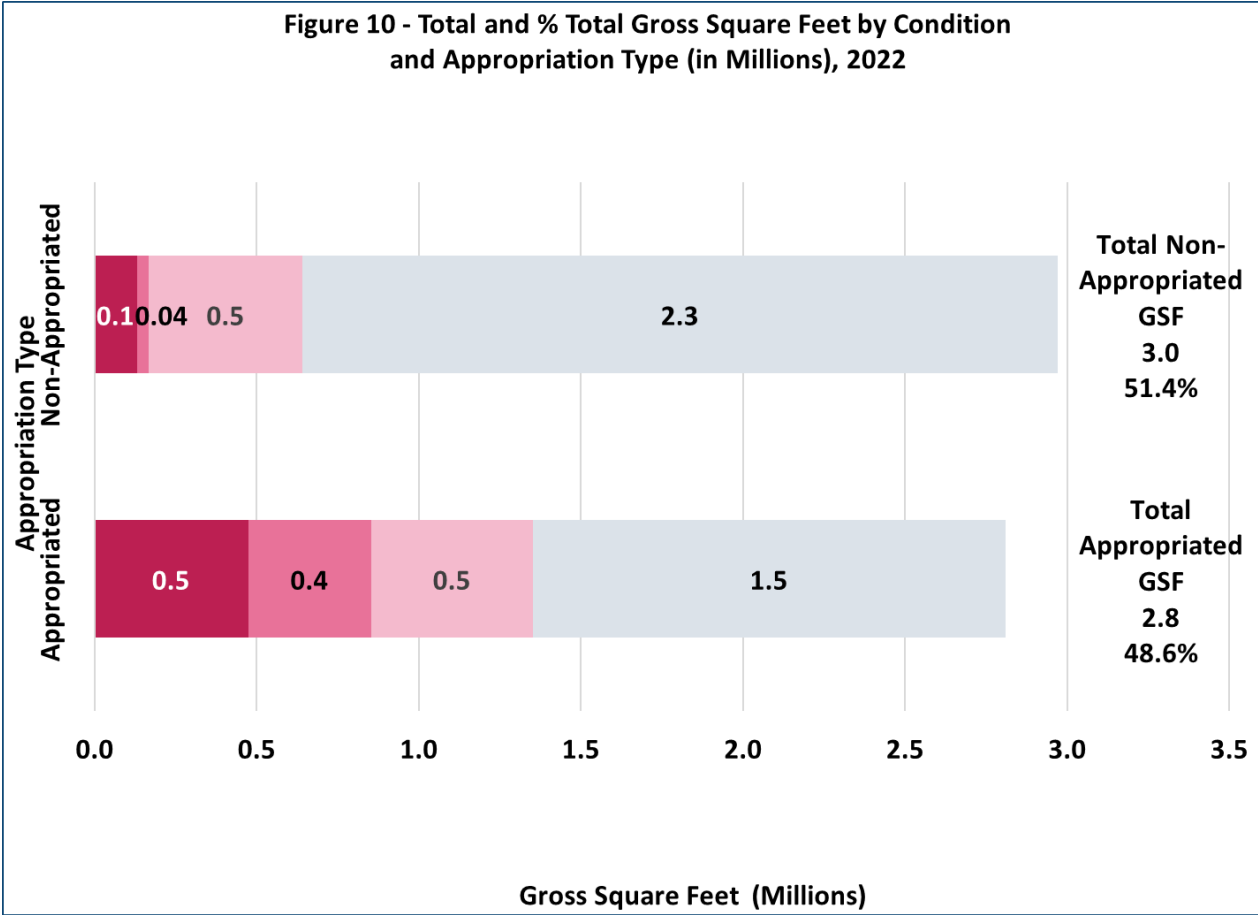
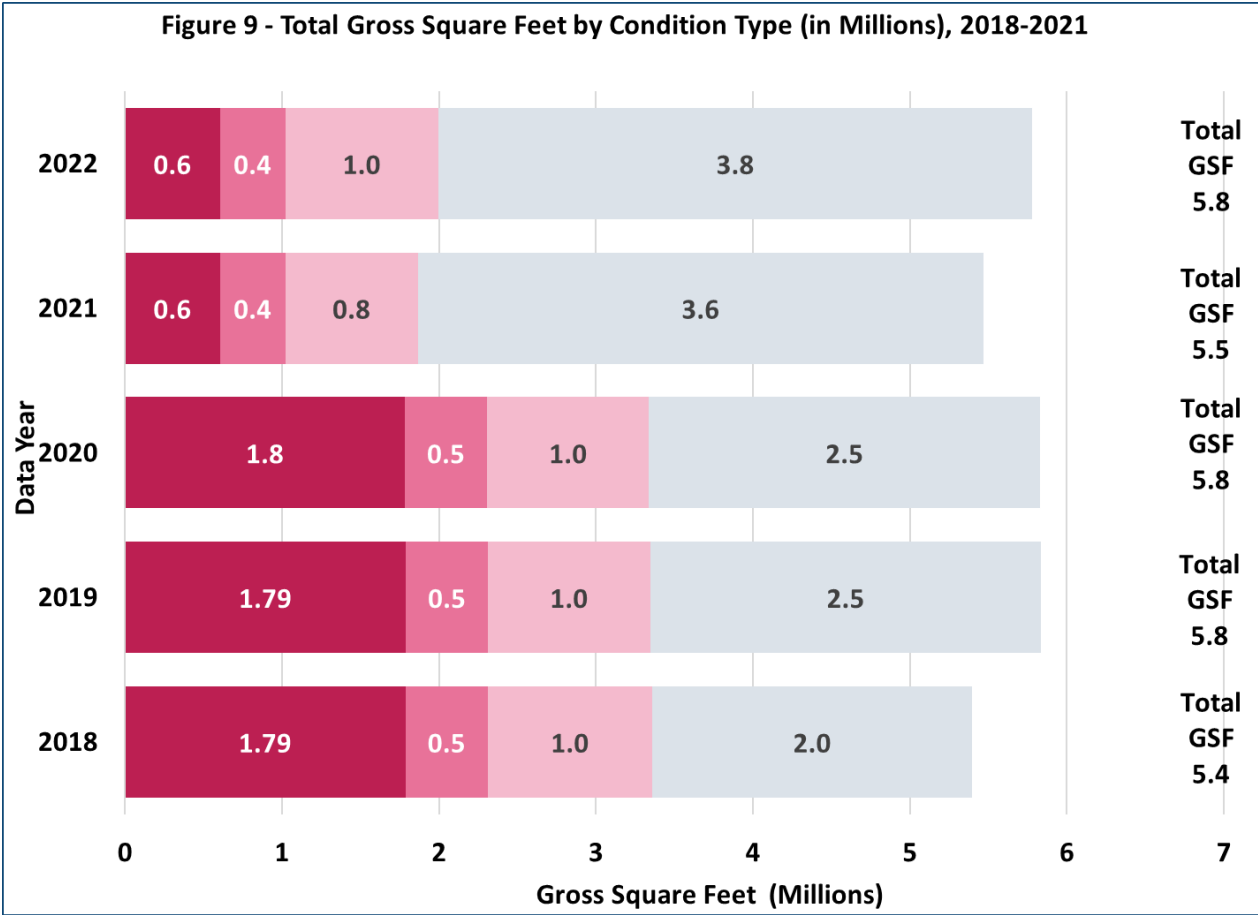
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	1,052,803	30.56%	29.28%	1.27%
Research	128,588	3.73%	2.99%	0.75%
Public Service	9,669	0.28%	0.28%	0.00%
Student Service	1,593,172	46.24%	45.98%	0.26%
Other	661,018	19.19%	21.47%	-2.29%



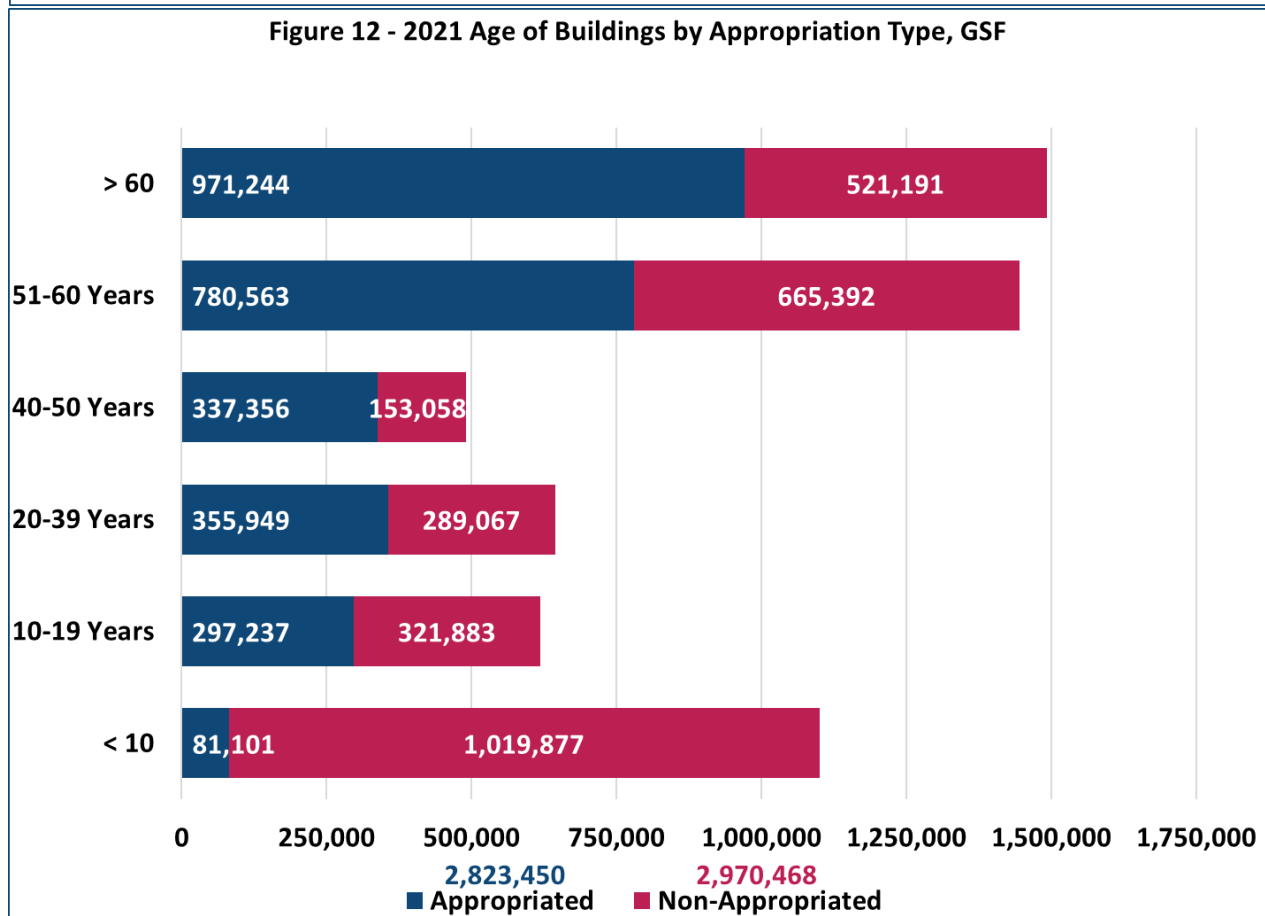
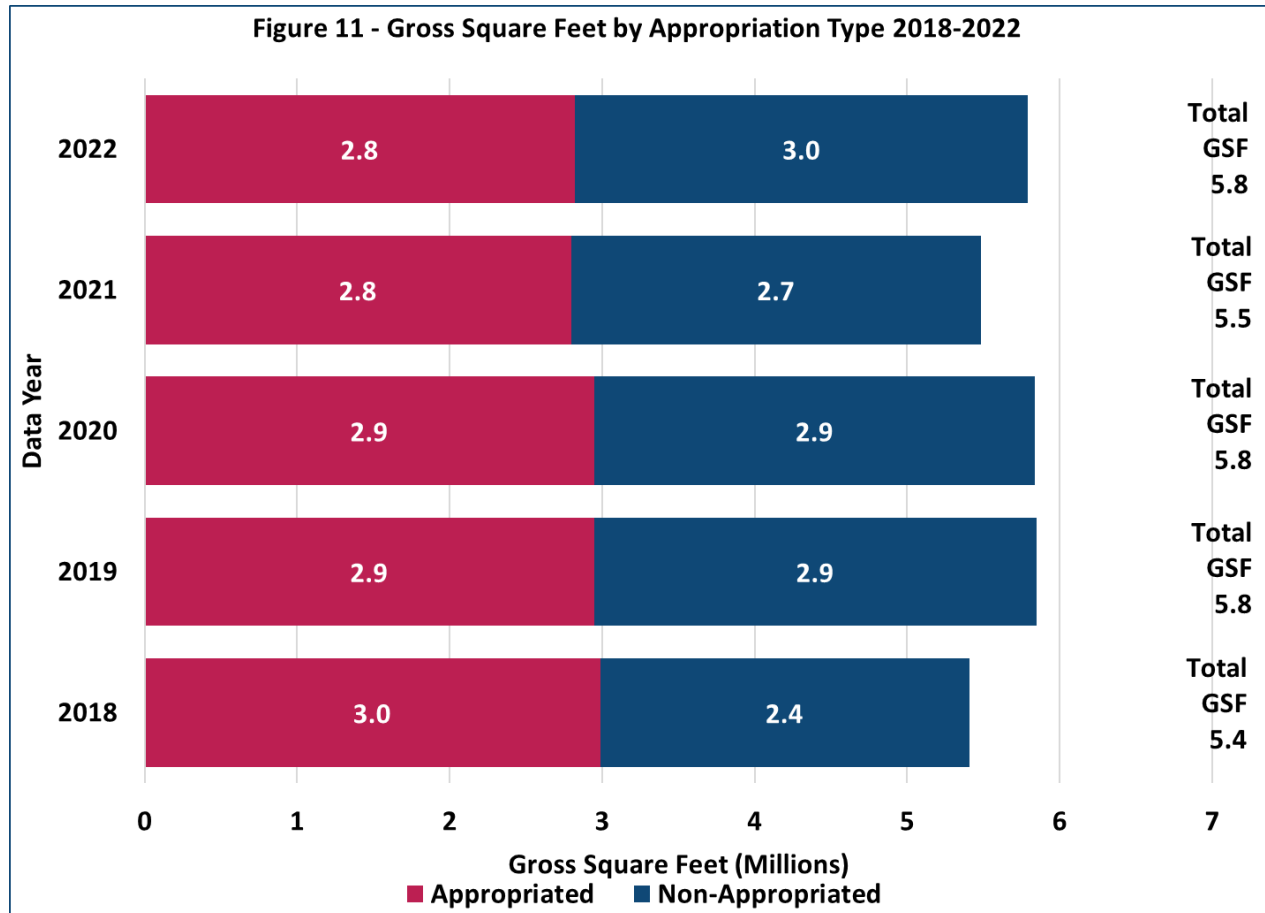
Building Characteristics

East Carolina University has 5,793,918 gross square feet of space comprised of 169 buildings (18 residential, 151 non-residential; 100 appropriated, 69 non-appropriated; 147 owned, 11 leased, 11 under other agreement terms) with 3,445,250 square feet of assignable space, having decreased by -1.2% within the last five years. Since 2021, gross square footage has increased 311,431 SF, or 5.7%.

East Carolina University Building Characteristics	
169 Total Buildings	
100 Appropriated	147 Owned
69 Non-Appropriated	11 Leased
169 Total	11 Other Agreement
	169 Total



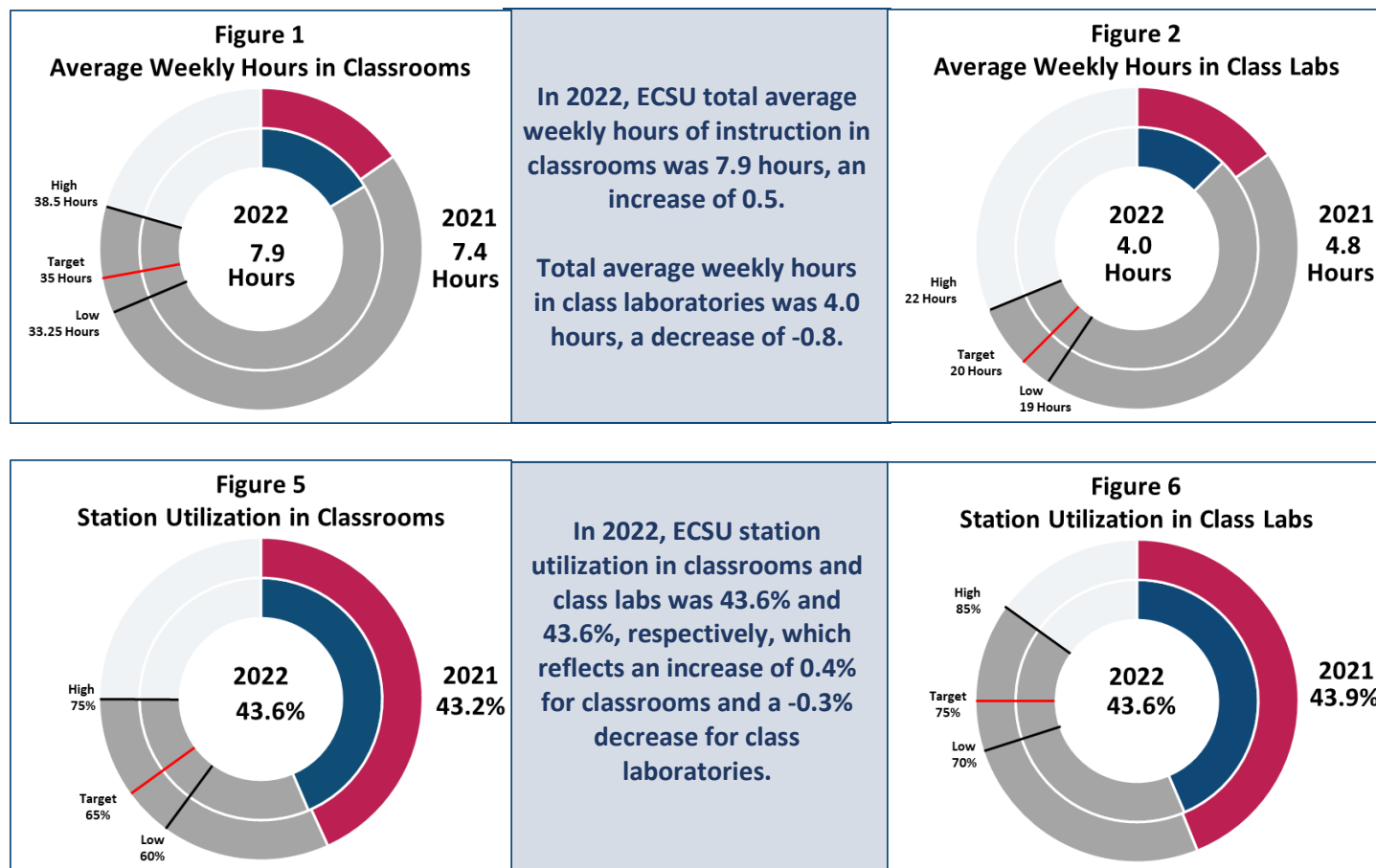
East Carolina University Summary



Elizabeth City State University Summary

Nestled in Elizabeth City in northeastern North Carolina, ECSU is the most affordable public institution in the UNC System. Founded in 1891 as a normal (teaching) school, students today can obtain a baccalaureate, professional, or master's degree in over 30 undergraduate and graduate degree programs. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

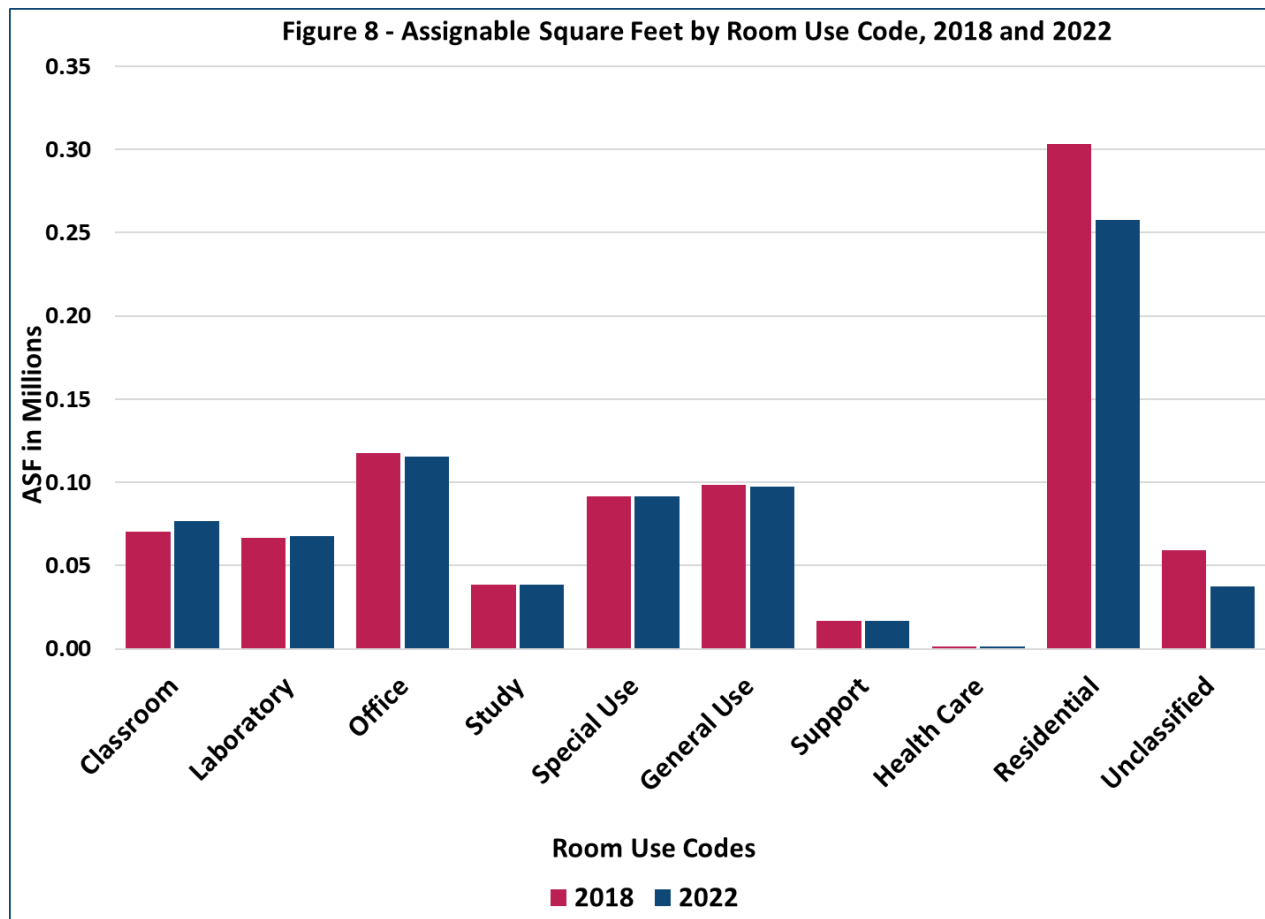
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at ECSU decreased from 867,383 to 800,719, or -7.7% compared to the previous year.

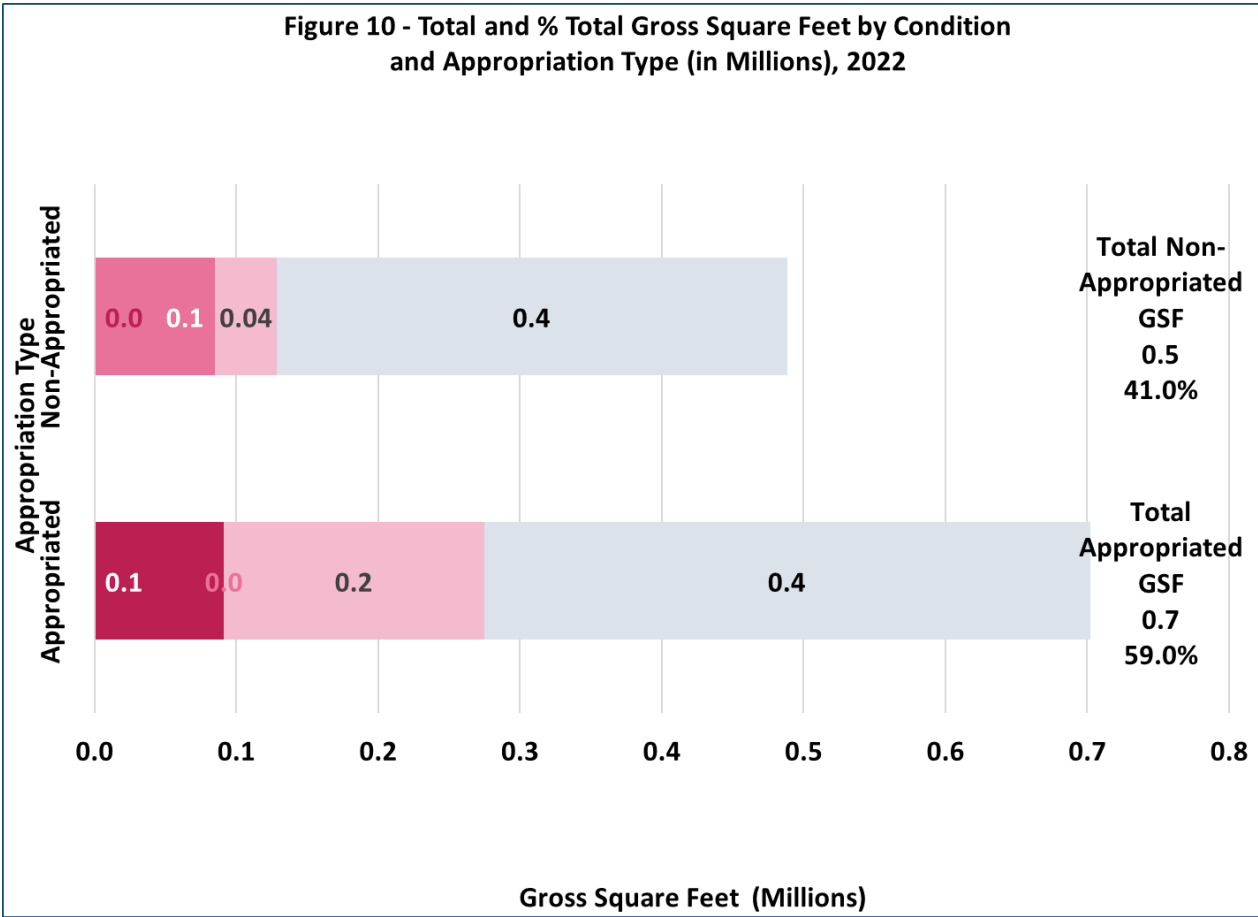
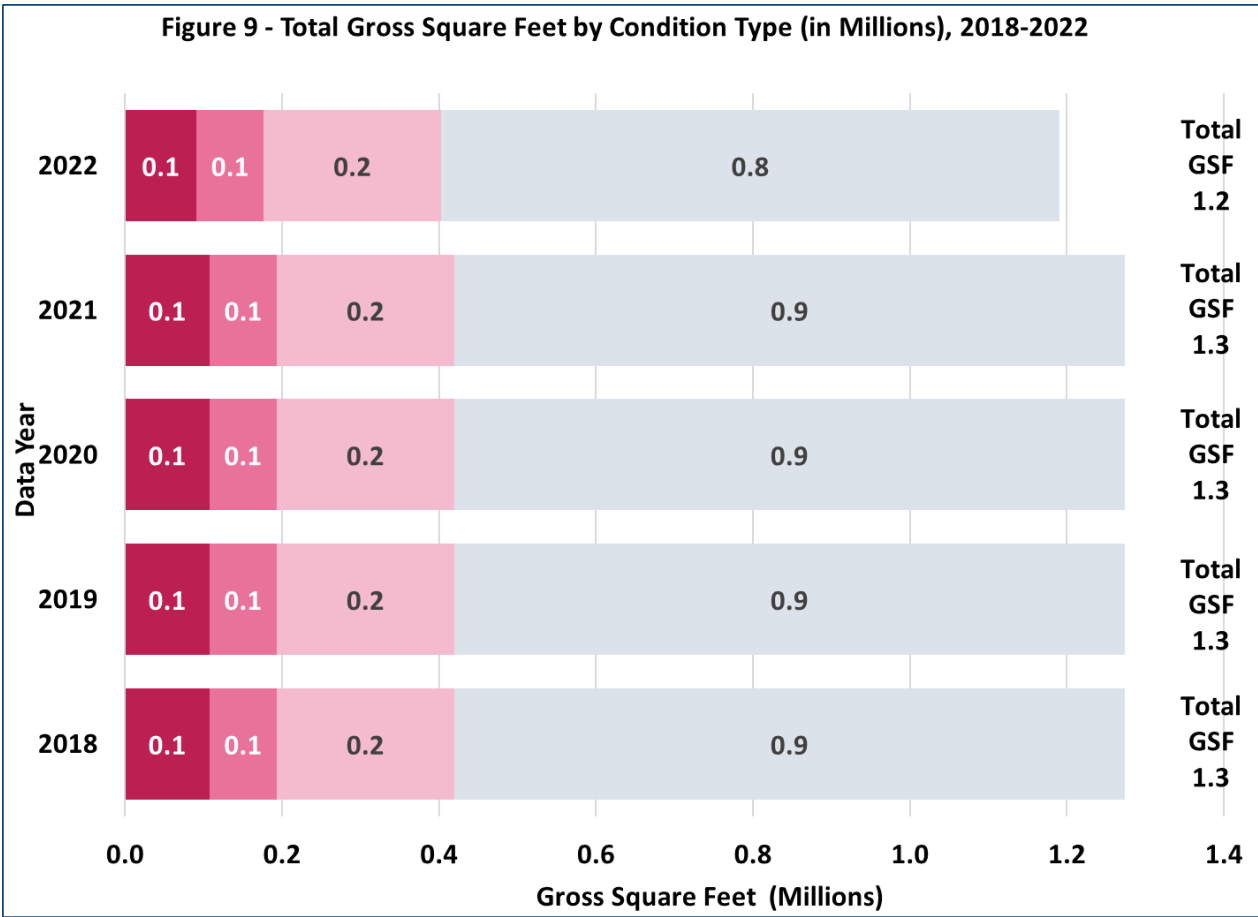
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	271,541	33.91%	30.42%	3.49%
Research	2,774	0.35%	0.32%	0.03%
Public Service	18,787	2.35%	2.18%	0.17%
Student Service	355,352	44.38%	46.13%	-1.76%
Other	152,265	19.02%	20.94%	-1.93%



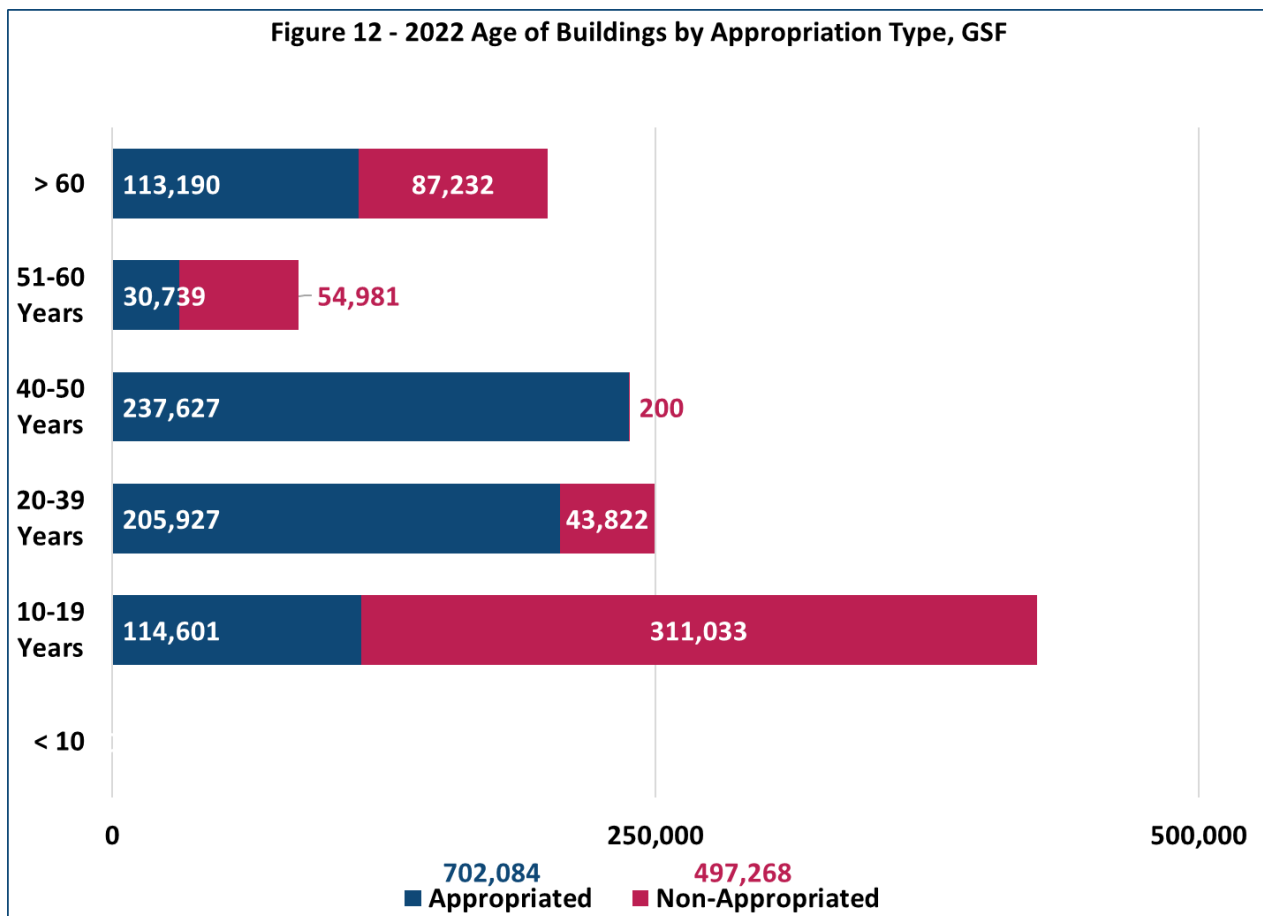
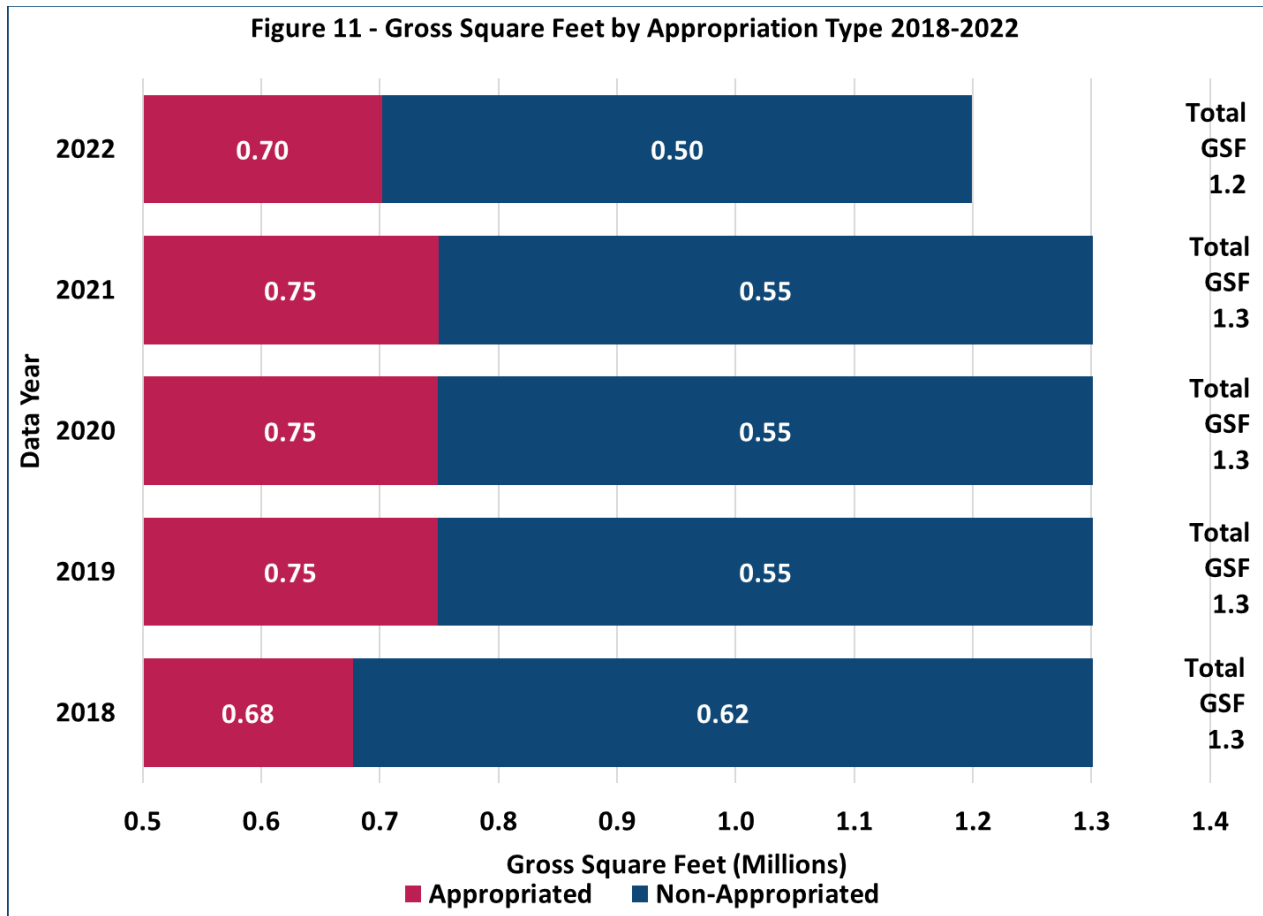
Building Characteristics

Elizabeth City State University has 1,199,352 gross square feet of space comprised of 47 buildings (12 residential, 35 non-residential; 28 appropriated, 19 non-appropriated; 46 owned, 0 leased, 1 under other agreement terms) with 800,719 square feet of assignable space, having decreased by -7.4% within the last five years. Since 2021, gross square footage has decreased by -101,907 SF, or -7.8%.

Elizabeth City State University Building Characteristics			
47 Total Buildings			
28 Appropriated		46 Owned	
19 Non-Appropriated		0 Leased	
		1 Other Agreement	
<u>47 Total</u>		<u>47 Total</u>	



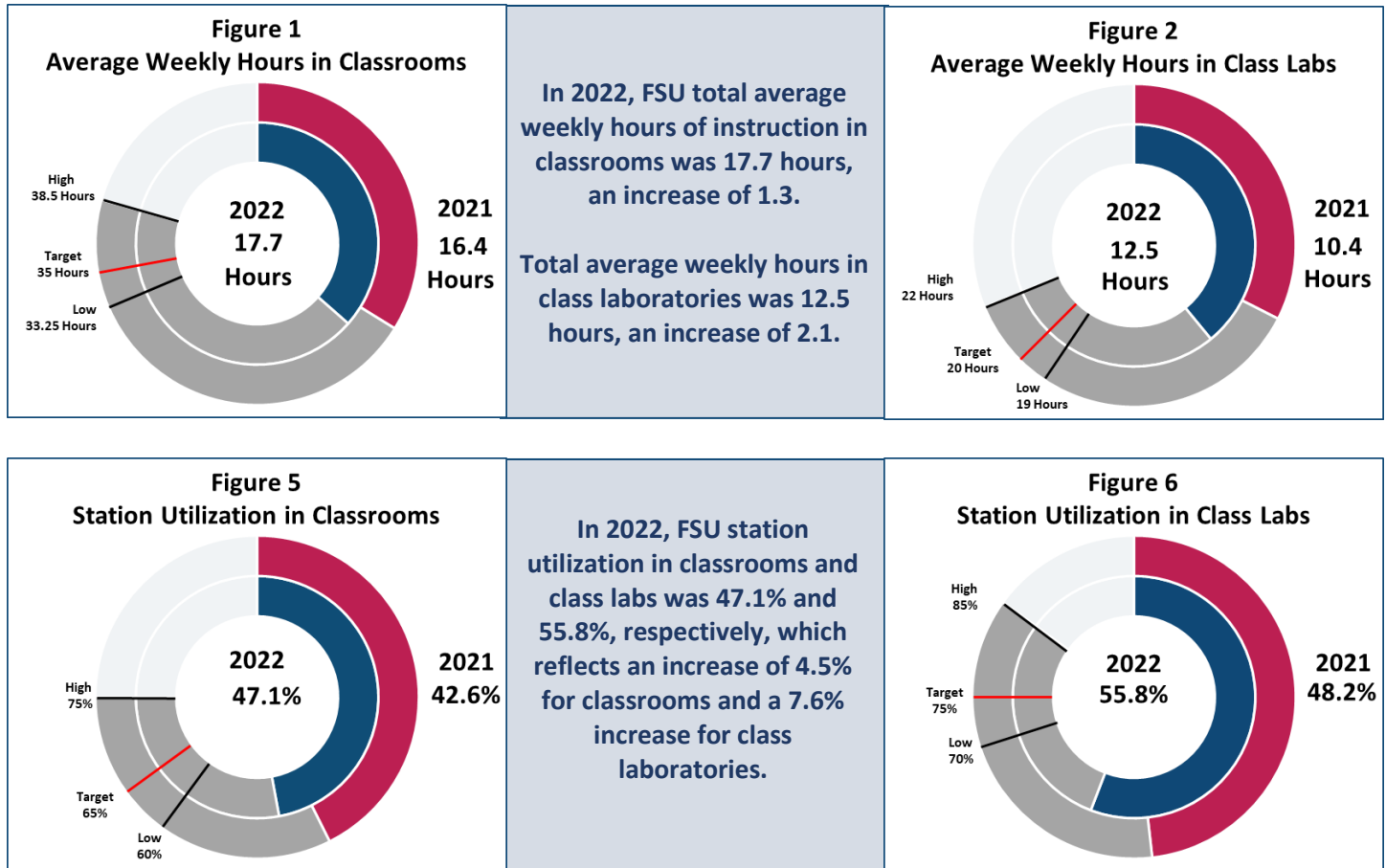
Elizabeth City State University Summary



Fayetteville State University Summary

Founded in 1867 in the city of Fayetteville, Fayetteville State University continues the proud legacy of providing a high quality, affordable education. FSU offers 43 degree programs and has options for online learning or the traditional HBCU campus life experience. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

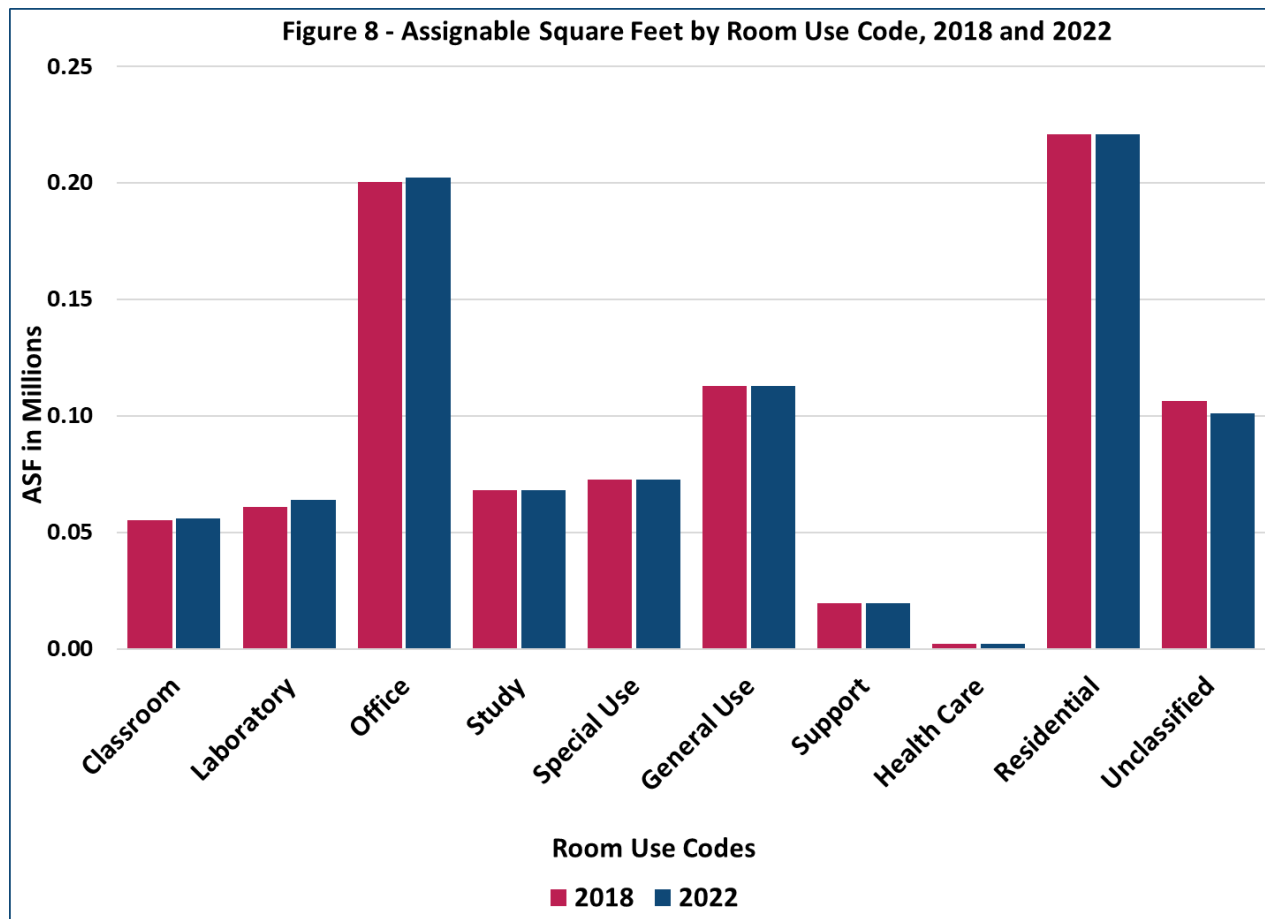
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at FSU remained unchanged from the previous year at 919,639.

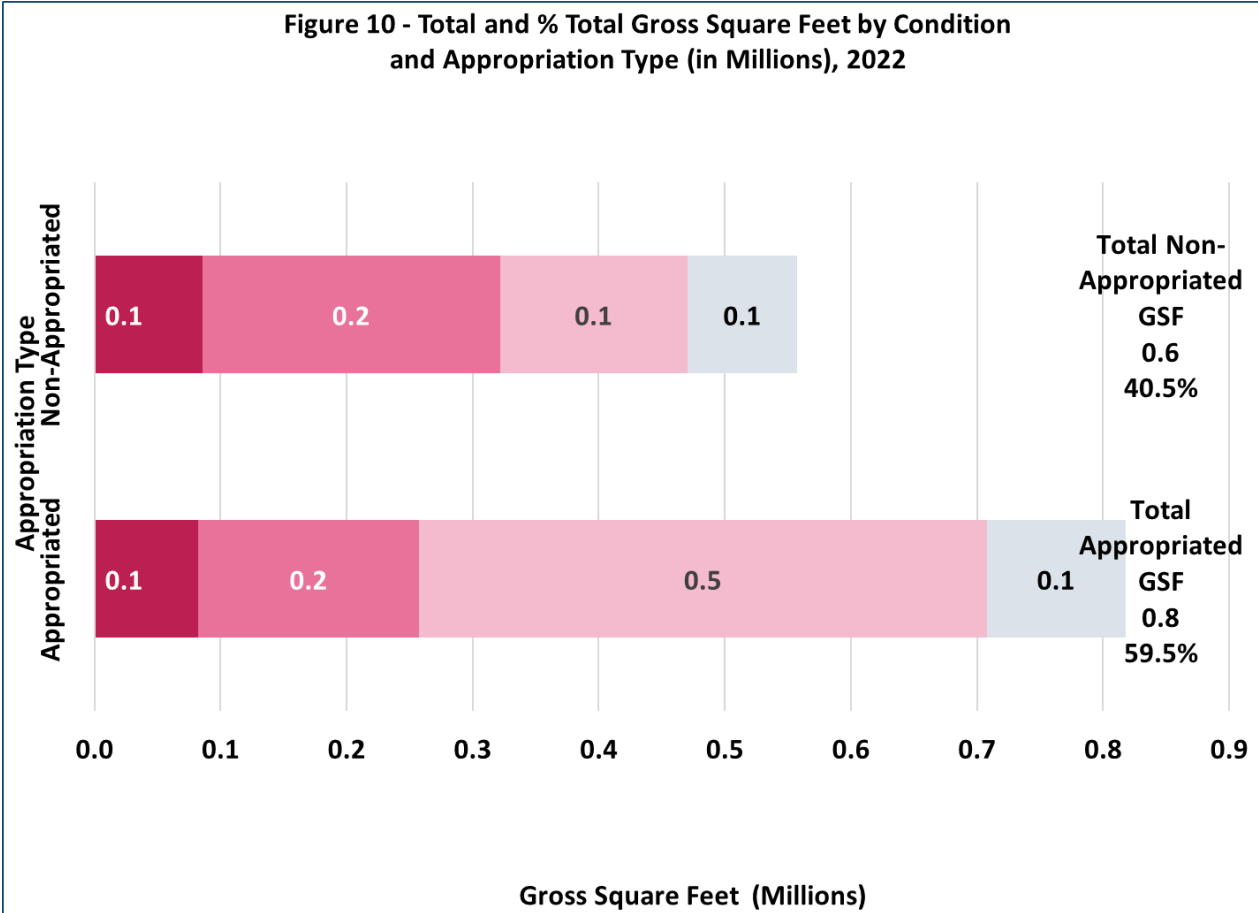
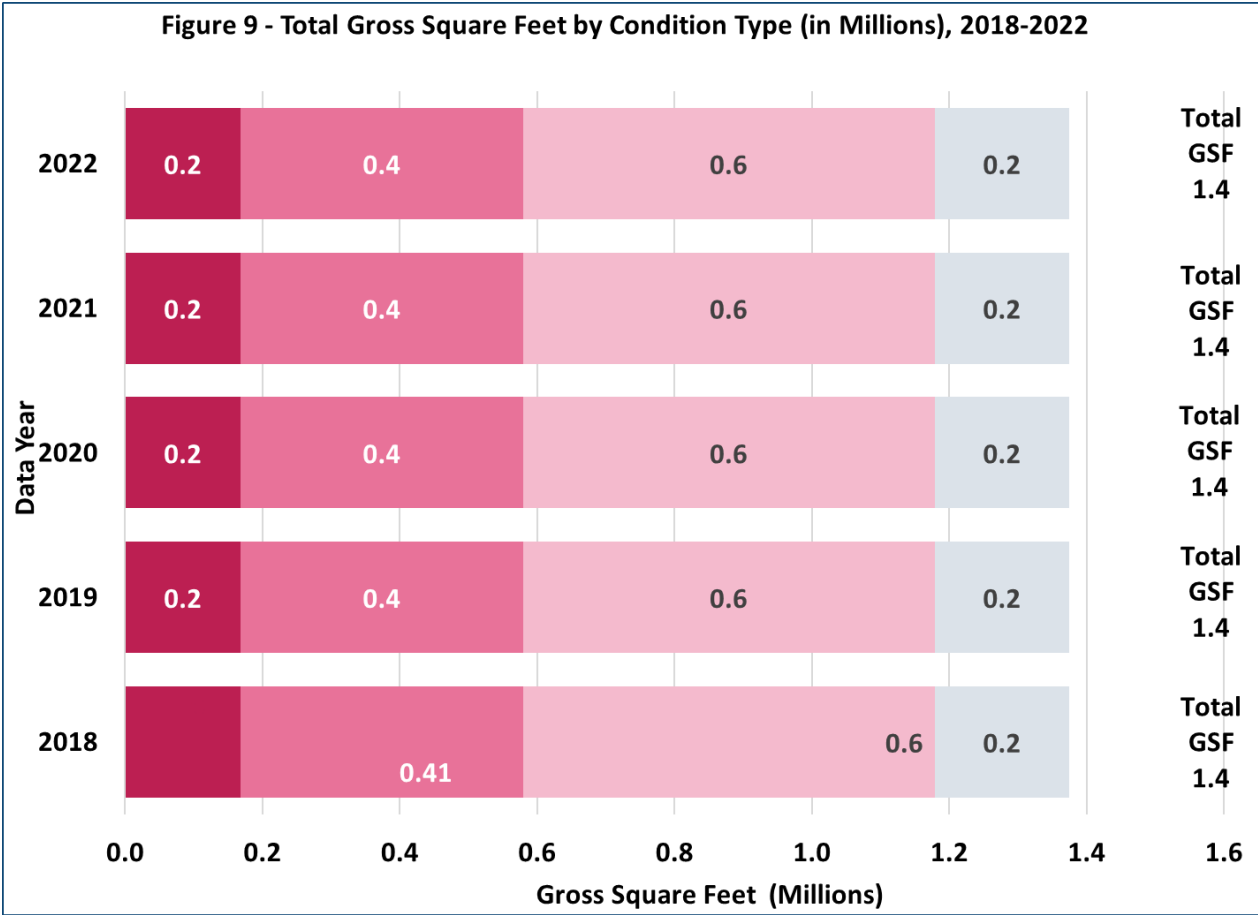
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	263,986	28.71%	28.09%	0.61%
Research	9,263	1.01%	1.01%	0.00%
Public Service	1,013	0.11%	0.11%	0.00%
Student Service	378,209	41.13%	41.13%	-0.01%
Other	267,168	29.05%	29.66%	-0.61%



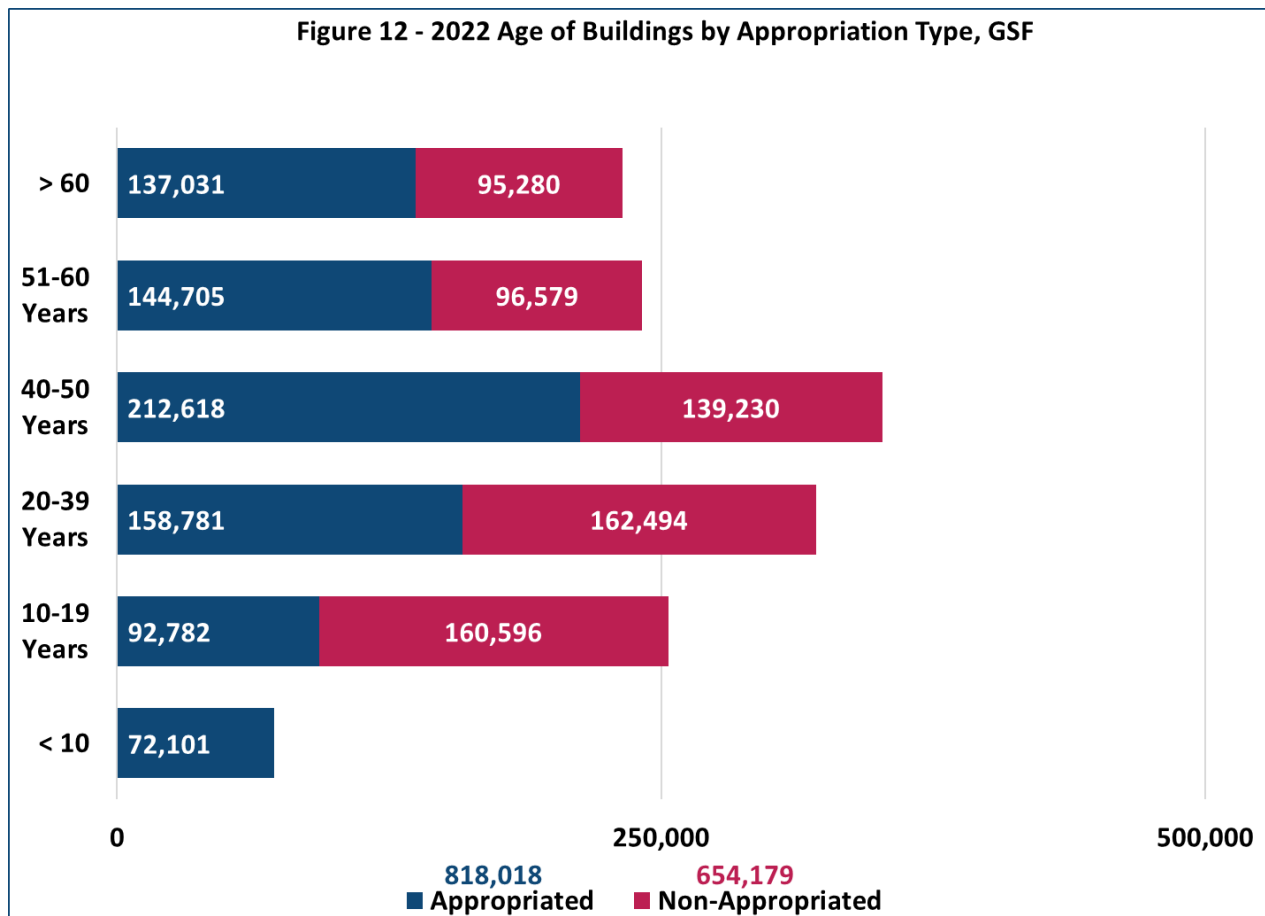
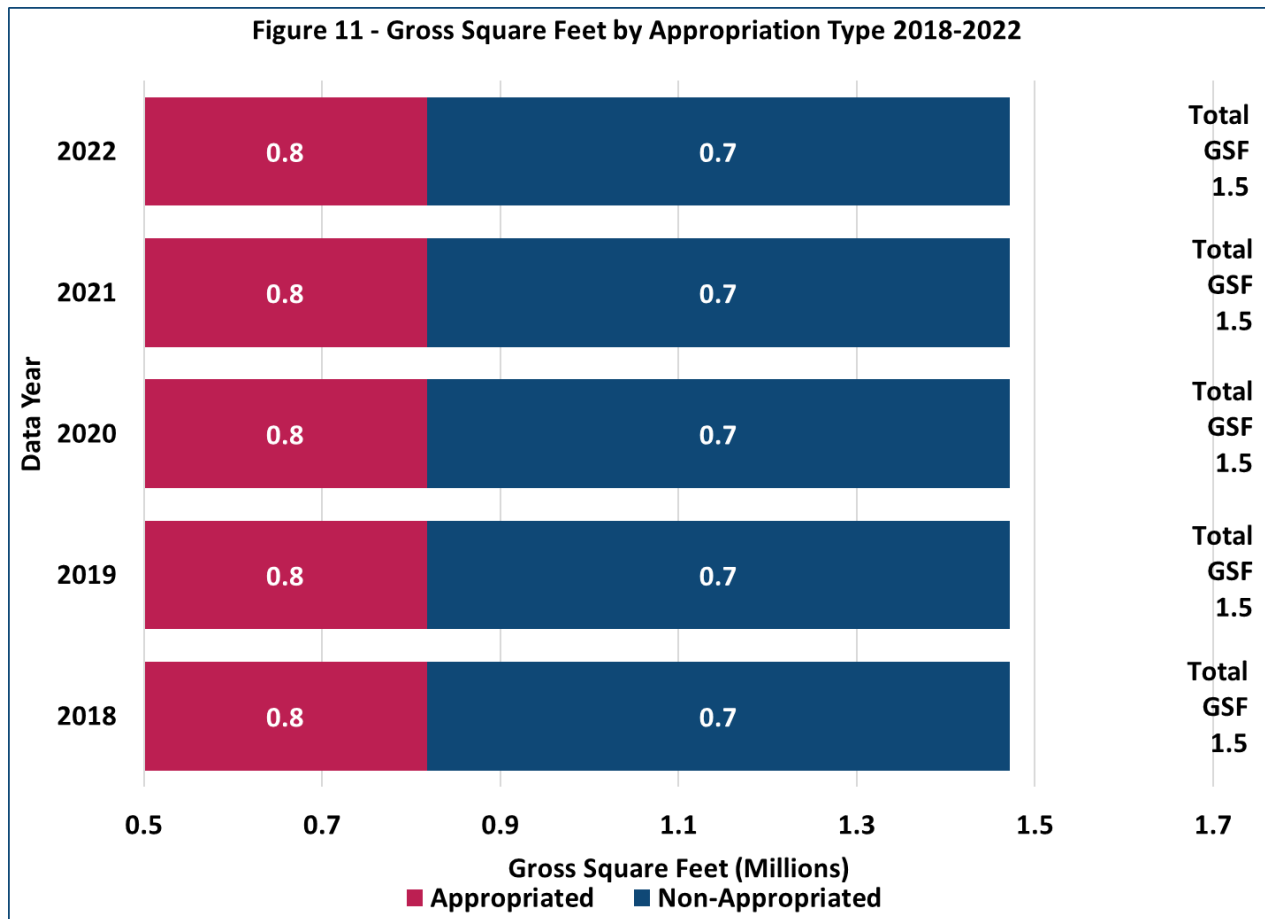
Building Characteristics

Fayetteville State University has 1,472,197 gross square feet of space comprised of 50 buildings (9 residential, 41 non-residential; 31 appropriated, 19 non-appropriated; 46 owned, 0 leased, 4 under other agreement terms) with 919,639 square feet of assignable space, unchanged within the last five years. Since 2021, gross square footage has remained unchanged.

Fayetteville State University Building Characteristics	
50 Total Buildings	
31 Appropriated	46 Owned
19 Non-Appropriated	0 Leased
<u>50 Total</u>	<u>4 Other Agreement</u>
	50 Total



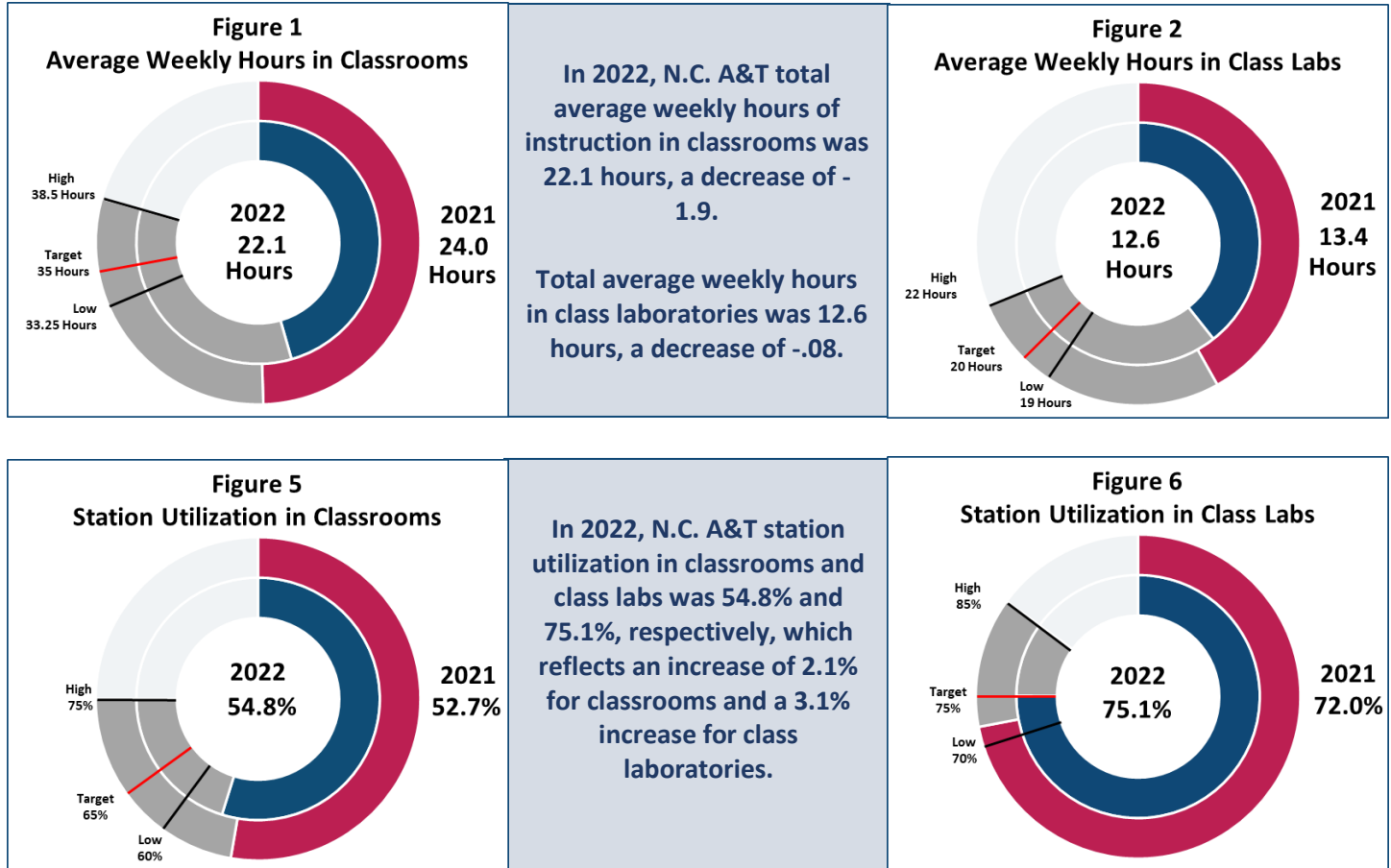
Fayetteville State University Summary



North Carolina A&T State University Summary

For nearly 132 years in Greensboro, North Carolina A&T has believed in the power of students to change the world. As a land grant, doctoral research university, A&T is ranked the number one producer of African American graduates in Engineering and Agriculture and the number one public historically black university in the nation. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

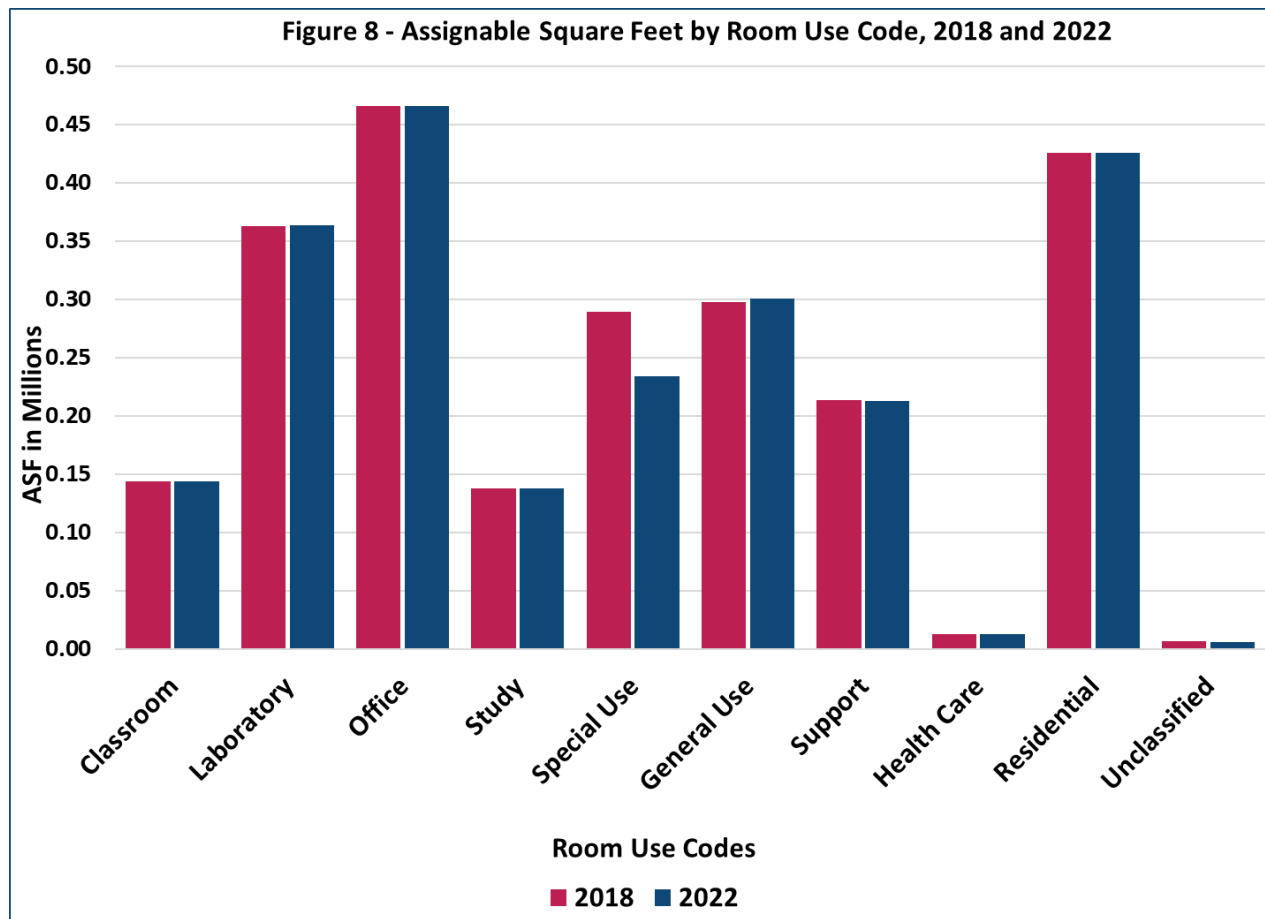
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at N.C. A&T remained unchanged from the previous year at 2,302,589.

Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	675,677	29.34%	31.06%	-1.72%
Research	180,777	7.85%	7.65%	0.20%
Public Service	24,419	1.06%	1.04%	0.02%
Student Service	793,311	34.45%	33.55%	0.91%
Other	628,405	27.29%	26.71%	0.58%



Building Characteristics

North Carolina Agricultural & Technical State University has 3,469,581 gross square feet of space comprised of 121 buildings (14 residential, 107 non-residential; 96 appropriated, 25 non-appropriated; 117 owned, 3 leased, 1 under other agreement terms) with 2,302,589 square feet of assignable space, having decreased by -2.3% within the last five years. Since 2021, gross square footage has increased 131,000, or 3.9%.

N.C. A&T State University Building Characteristics			
121 Total Buildings			
96 Appropriated		117 Owned	
25 Non-Appropriated		3 Leased	
		1 Other Agreement	
<u>121 Total</u>		<u>121 Total</u>	

Figure 9 - Total Gross Square Feet by Condition Type (in Millions), 2018-2022

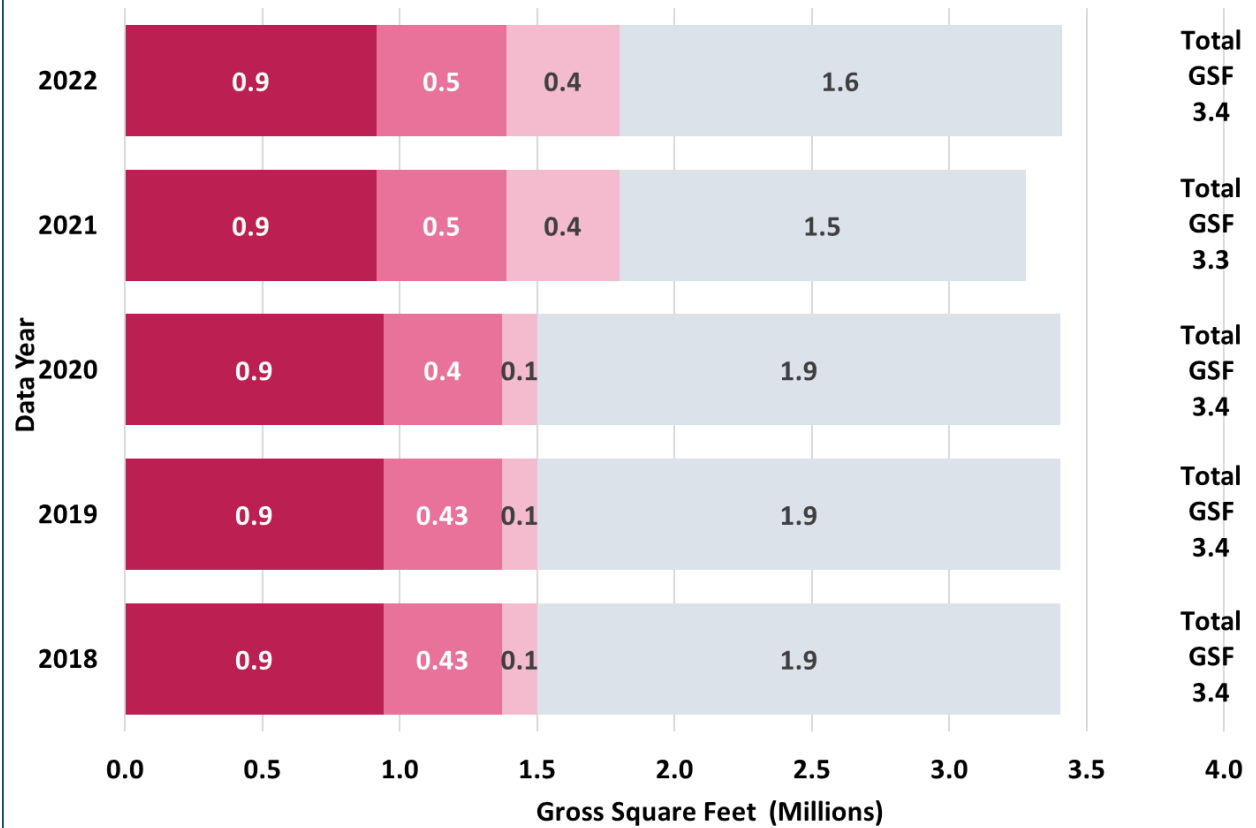
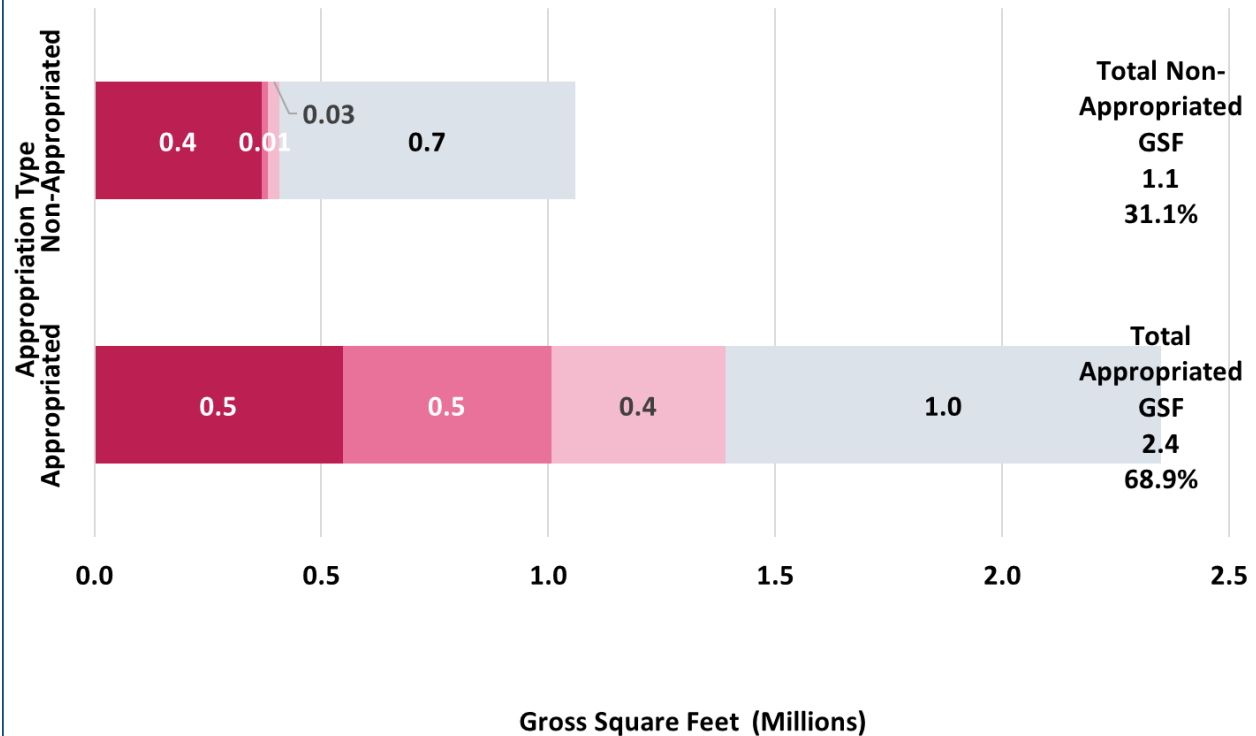
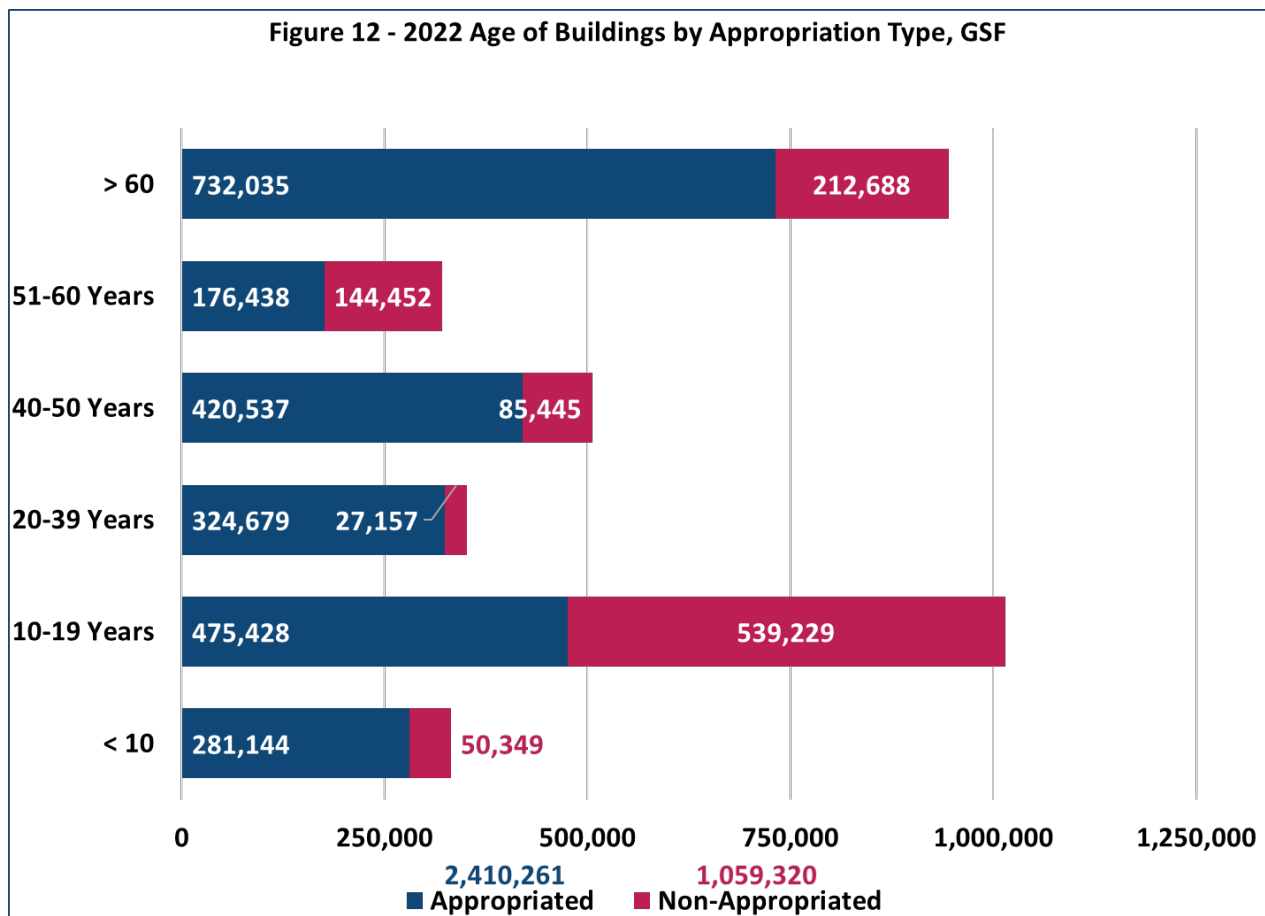
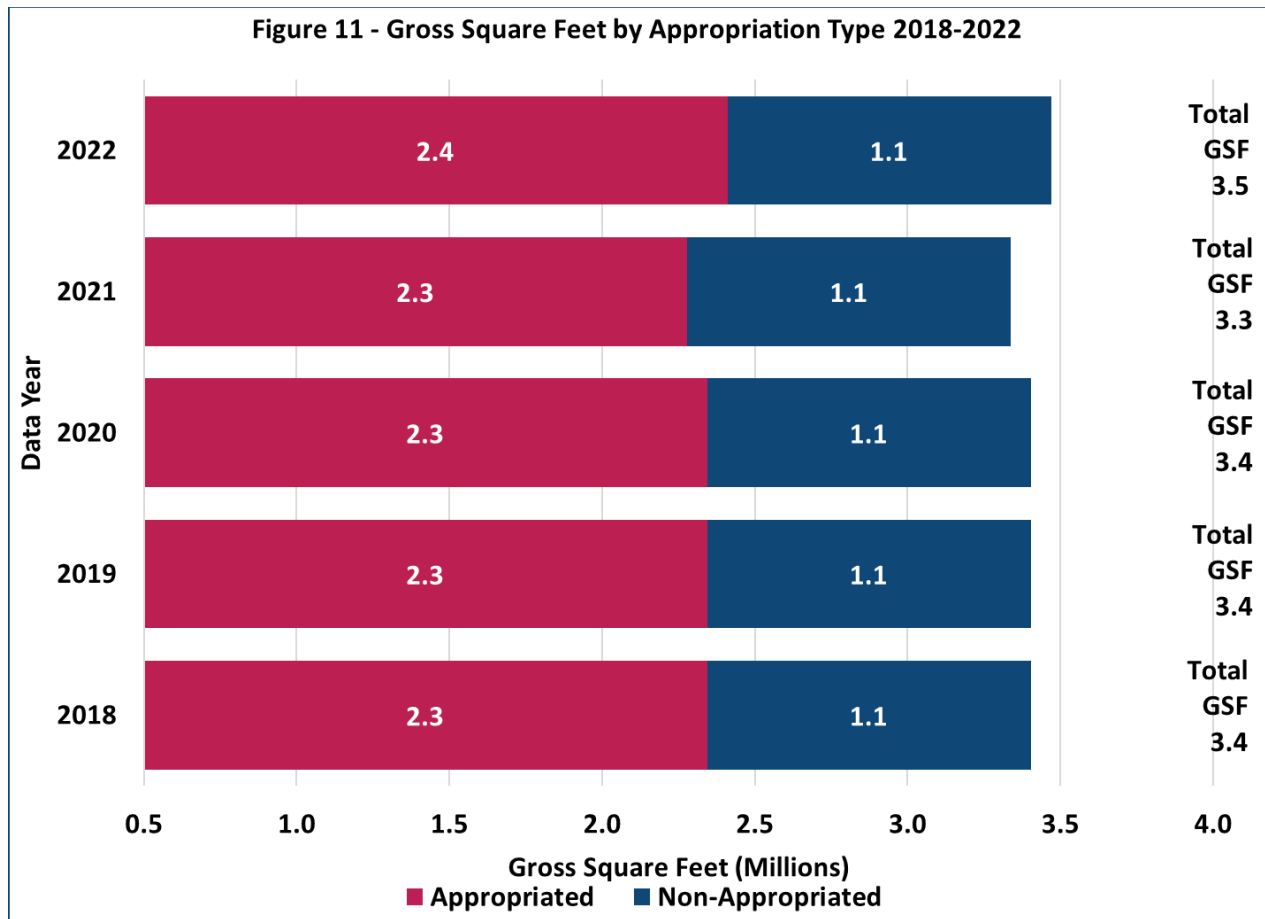


Figure 10 - Total and % Total Gross Square Feet by Condition and Appropriation Type (in Millions), 2022



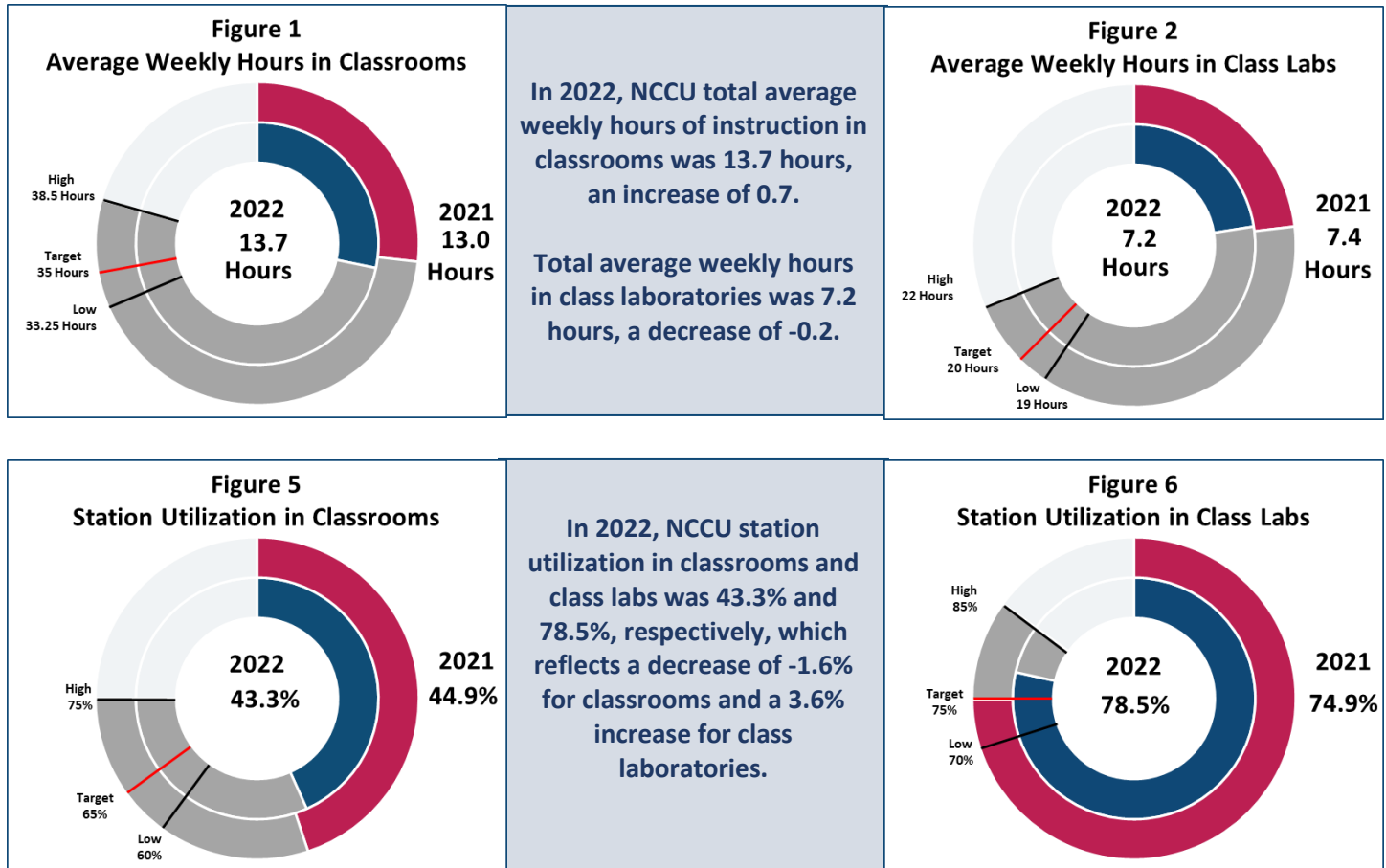
North Carolina Agricultural & Technical State University Summary



North Carolina Central University Summary

North Carolina Central University, a top-ranking southern regional university and historically black university, is located in Durham, adjacent to Research Triangle Park. Established in 1910, the university today offers bachelor's degrees in 100 disciplines, master's degrees in more than 40 areas, and a Ph.D. in Integrated Biosciences. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

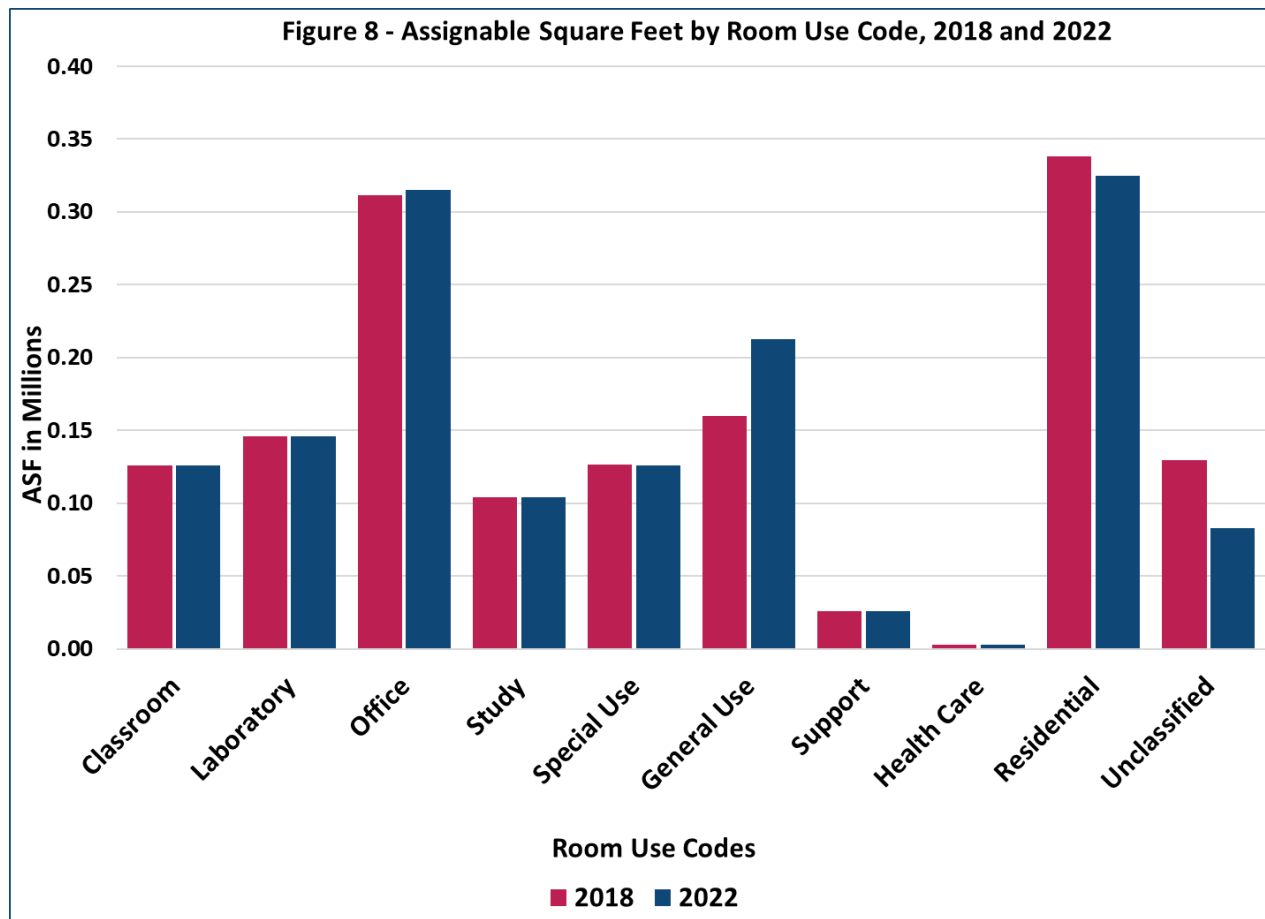
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at NCCU increased from 1,394,029 to 1,464,985, or 5.1% compared to the previous year.

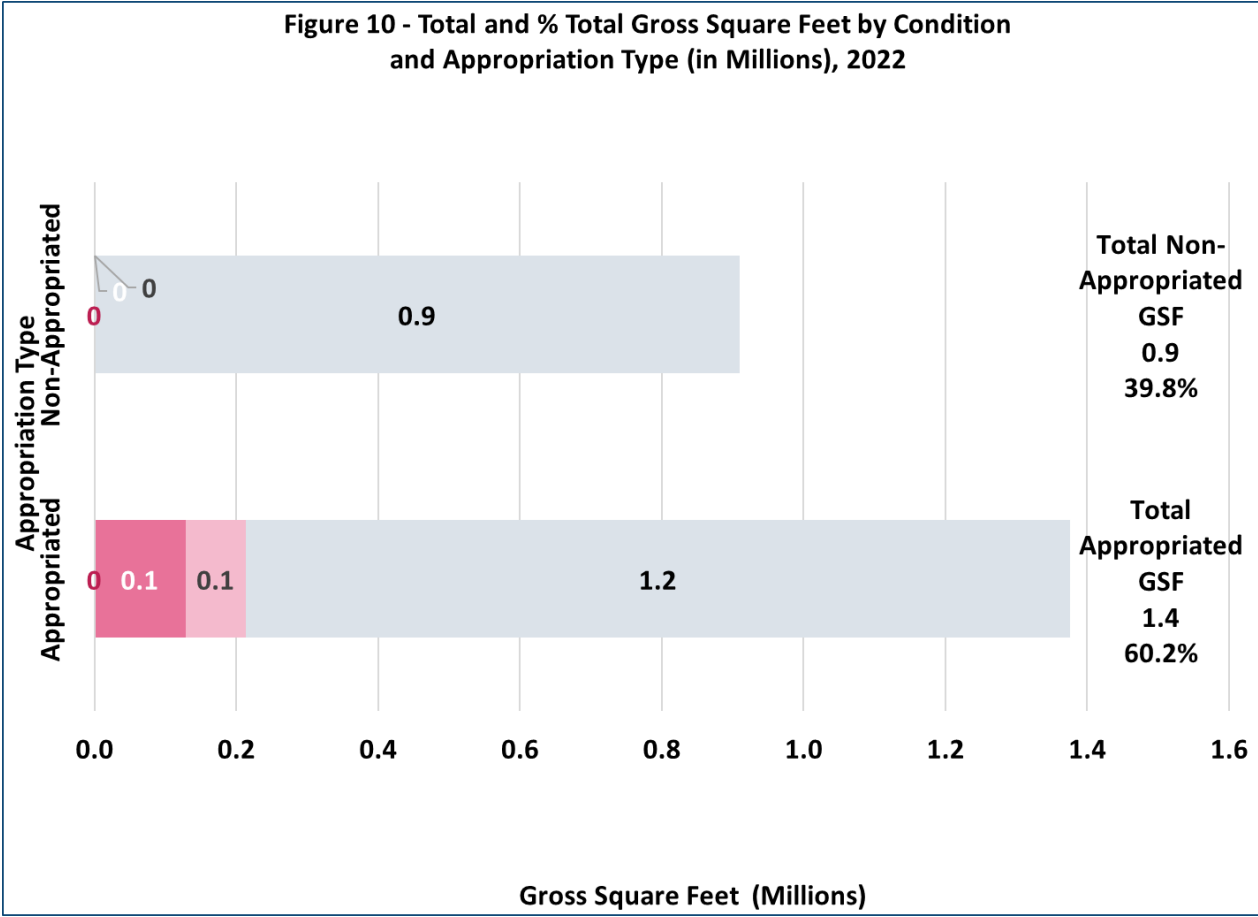
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	530,589	36.22%	36.10%	0.12%
Research	32,962	2.25%	2.24%	0.01%
Public Service	8,275	0.56%	0.56%	0.00%
Student Service	588,800	40.19%	36.68%	3.51%
Other	304,359	20.78%	24.42%	-3.64%



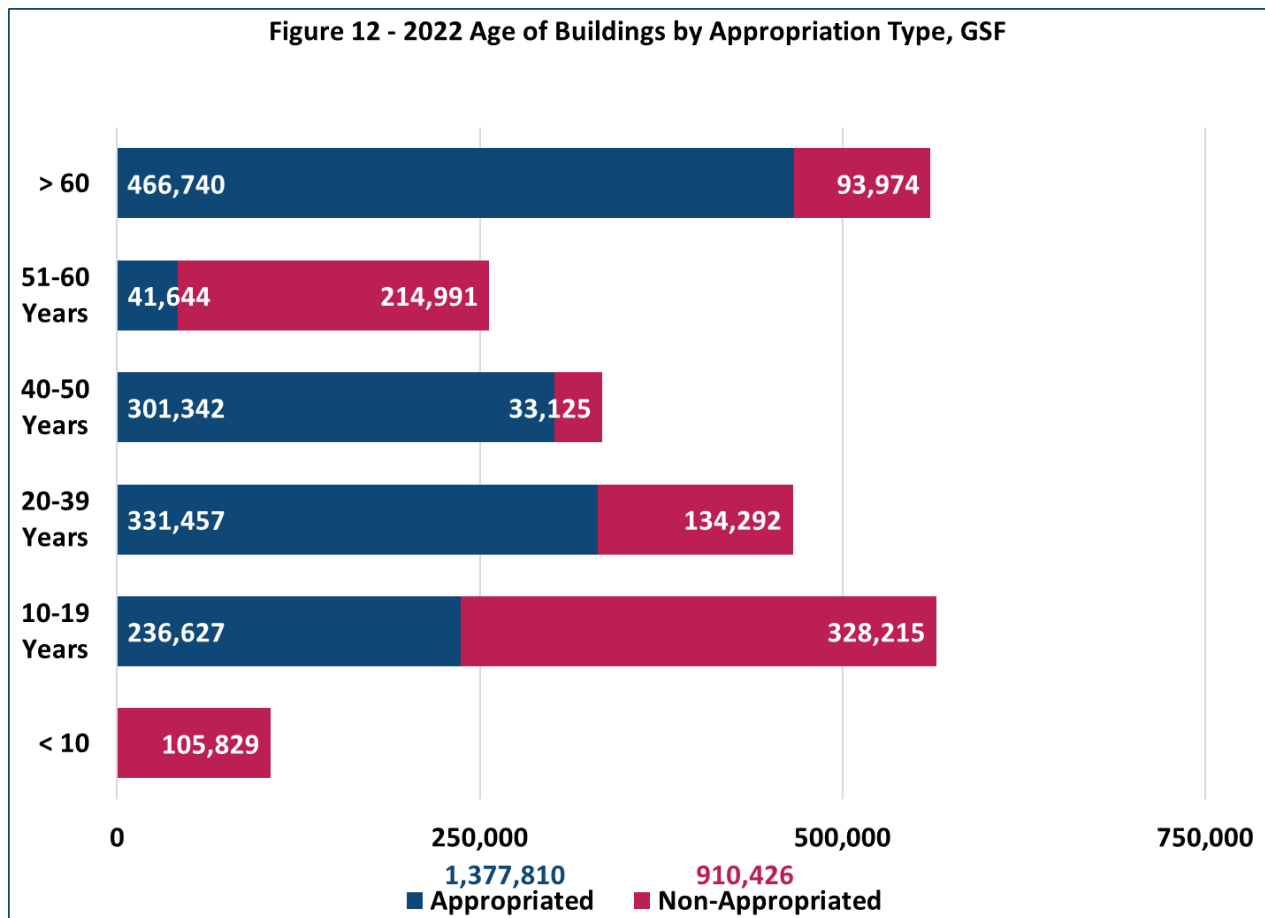
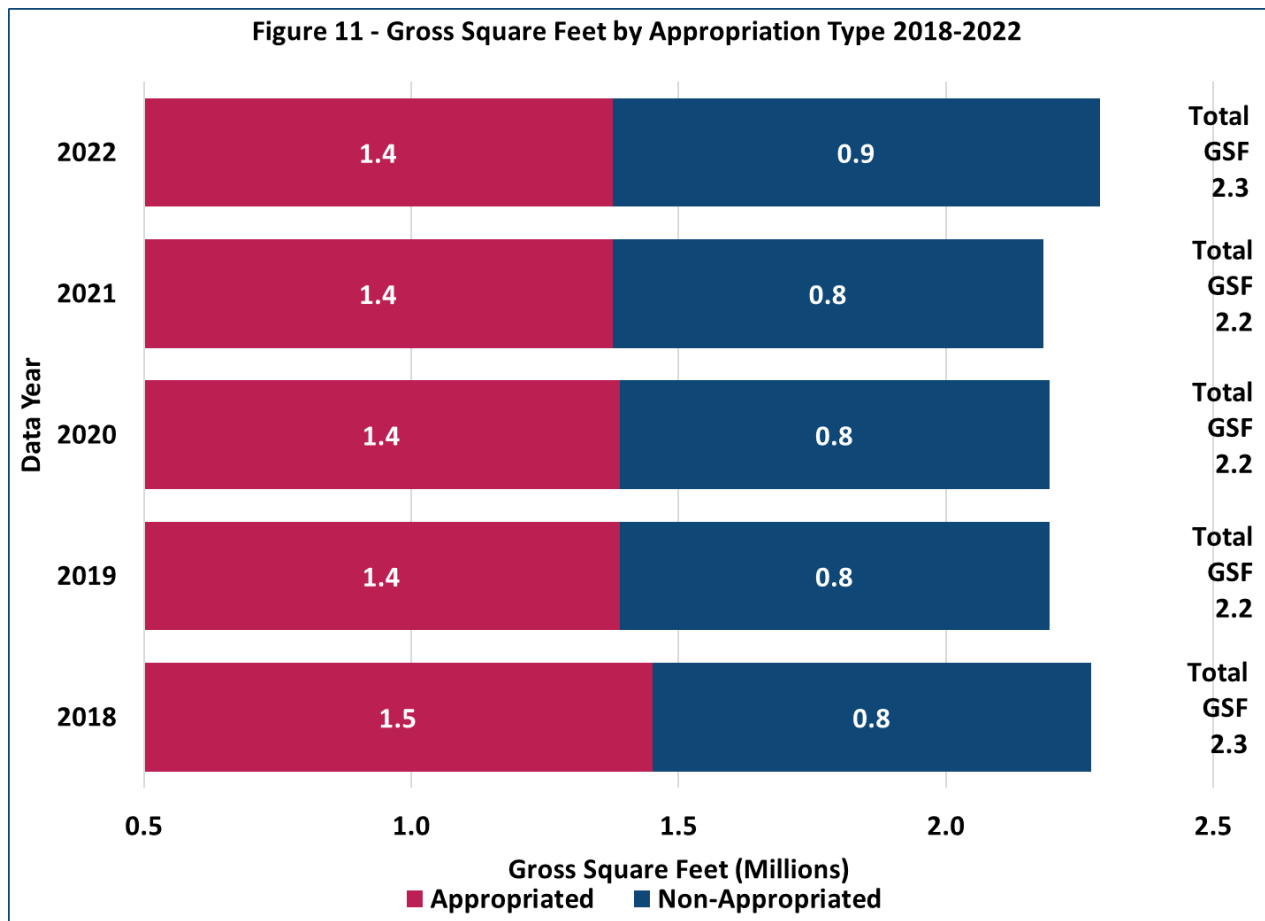
Building Characteristics

North Carolina Central University has 2,288,236 gross square feet of space comprised of 55 buildings (11 residential, 44 non-residential; 39 appropriated, 16 non-appropriated; 53 owned, 0 leased, 2 under other agreement terms) with 1,464,985 square feet of assignable space, having decreased by -0.3% within the last five years. Since 2021, gross square footage has increased 105,829, or 4.8%.

North Carolina Central University Building Characteristics	
55 Total Buildings	
39 Appropriated	53 Owned
16 Non-Appropriated	0 Leased
	2 Other Agreement
55 Total	55 Total



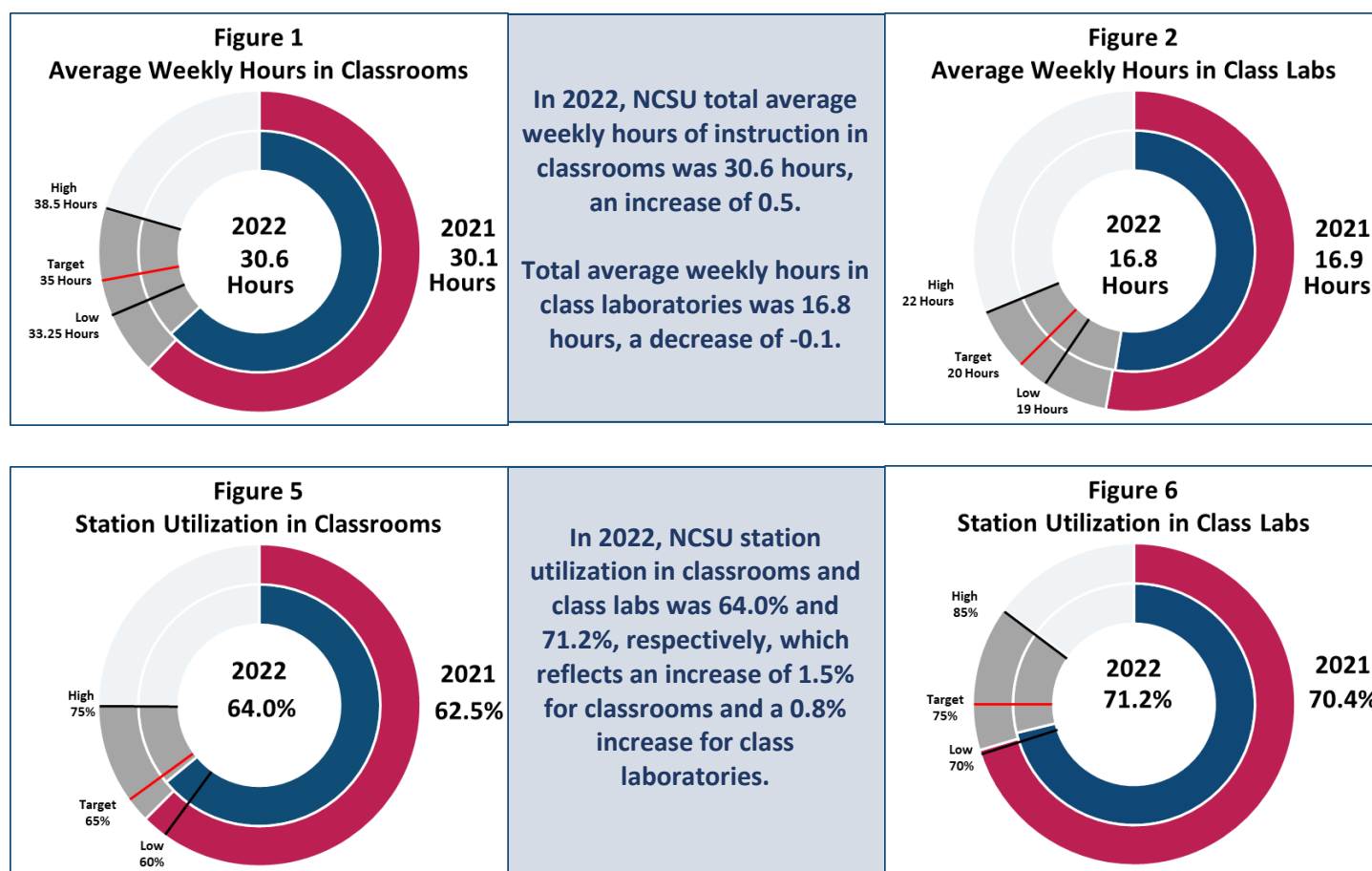
North Carolina Central University Summary



North Carolina State University Summary

Originally founded as the North Carolina College of Agriculture and Mechanic Arts in 1887, NC State was established as a land- grant college, teaching its first classes in Raleigh in 1889. NC State is the largest university in the Carolinas and a world-renowned research powerhouse with more than 170 startups and spinoffs based on NC State research. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university. The data in this summary excludes NC State Veterinary Medicine.

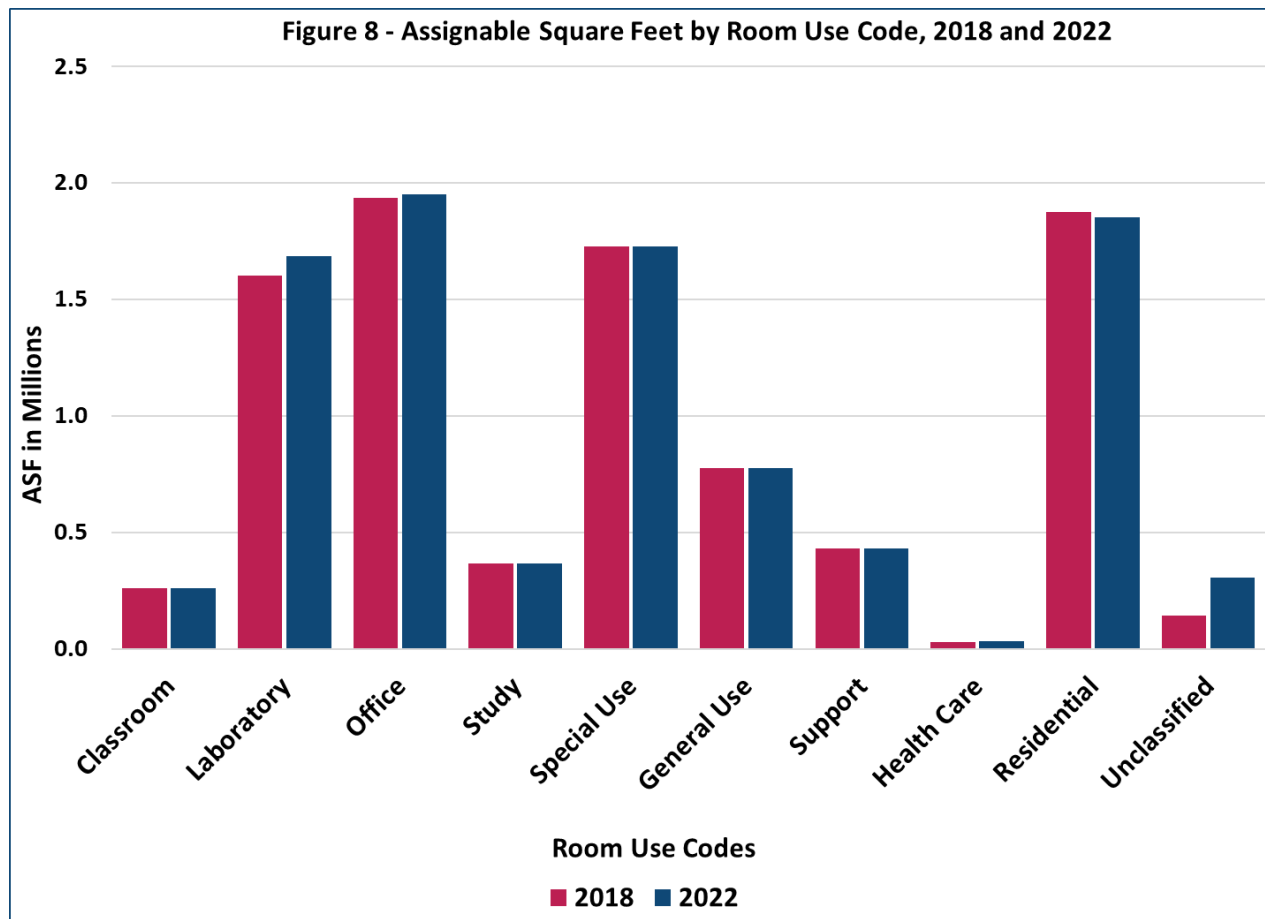
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at NCSU increased from 9,336,417 to 9,383,128, or 0.5% from the previous year.

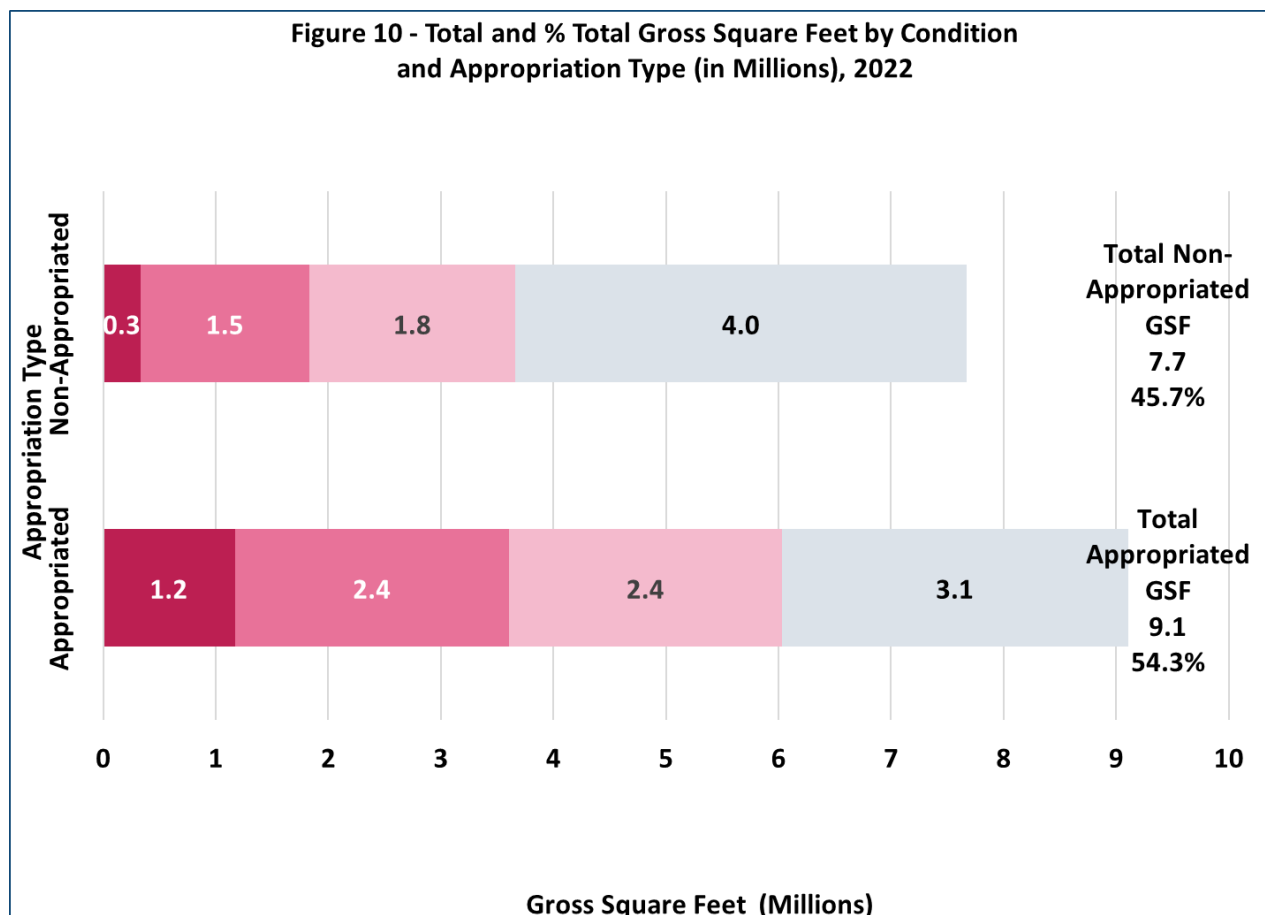
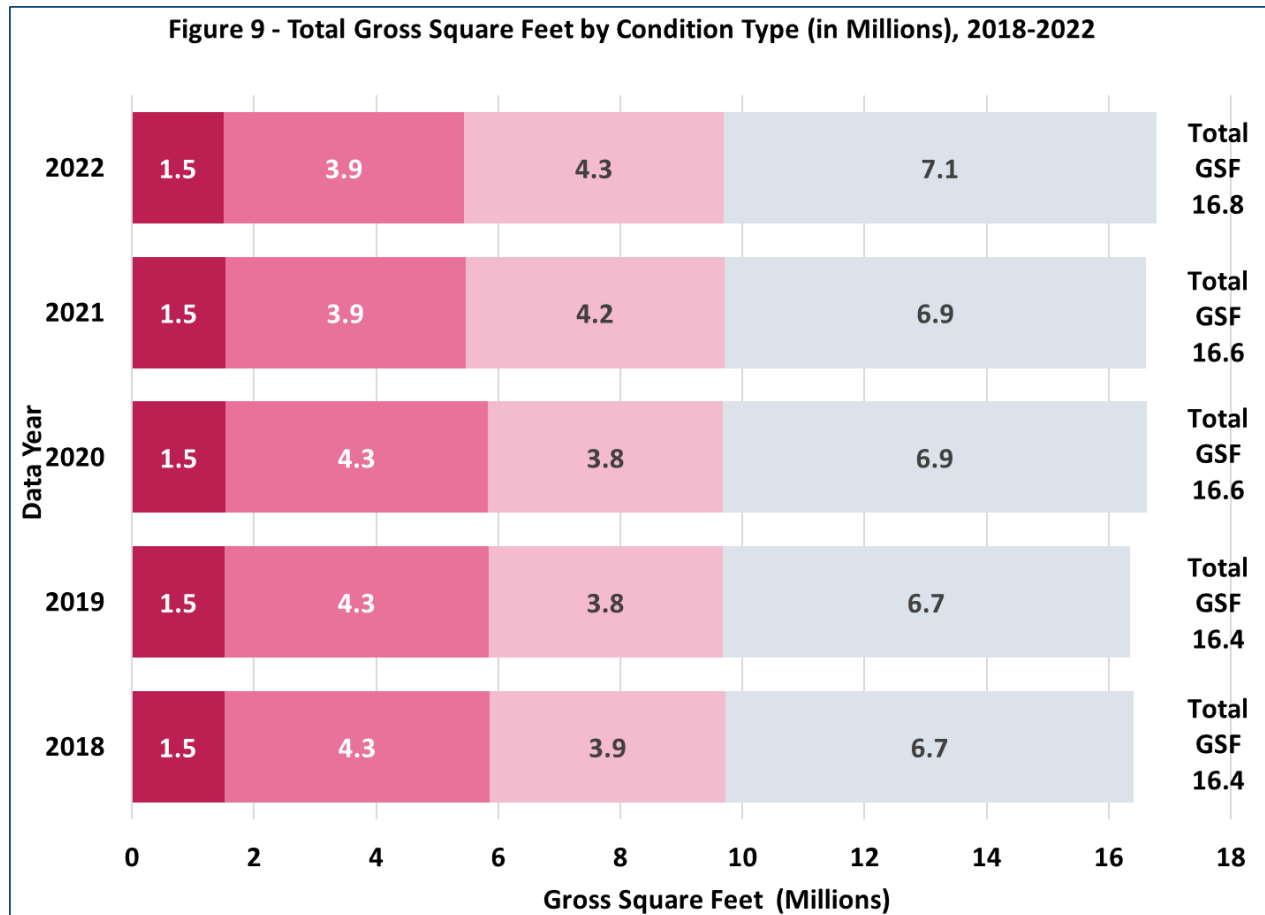
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	1,803,124	19.22%	19.28%	-0.06%
Research	2,630,636	28.04%	27.51%	0.53%
Public Service	485,729	5.18%	4.77%	0.40%
Student Service	2,887,158	30.77%	31.76%	-0.99%
Other	1,576,481	16.80%	16.68%	0.13%



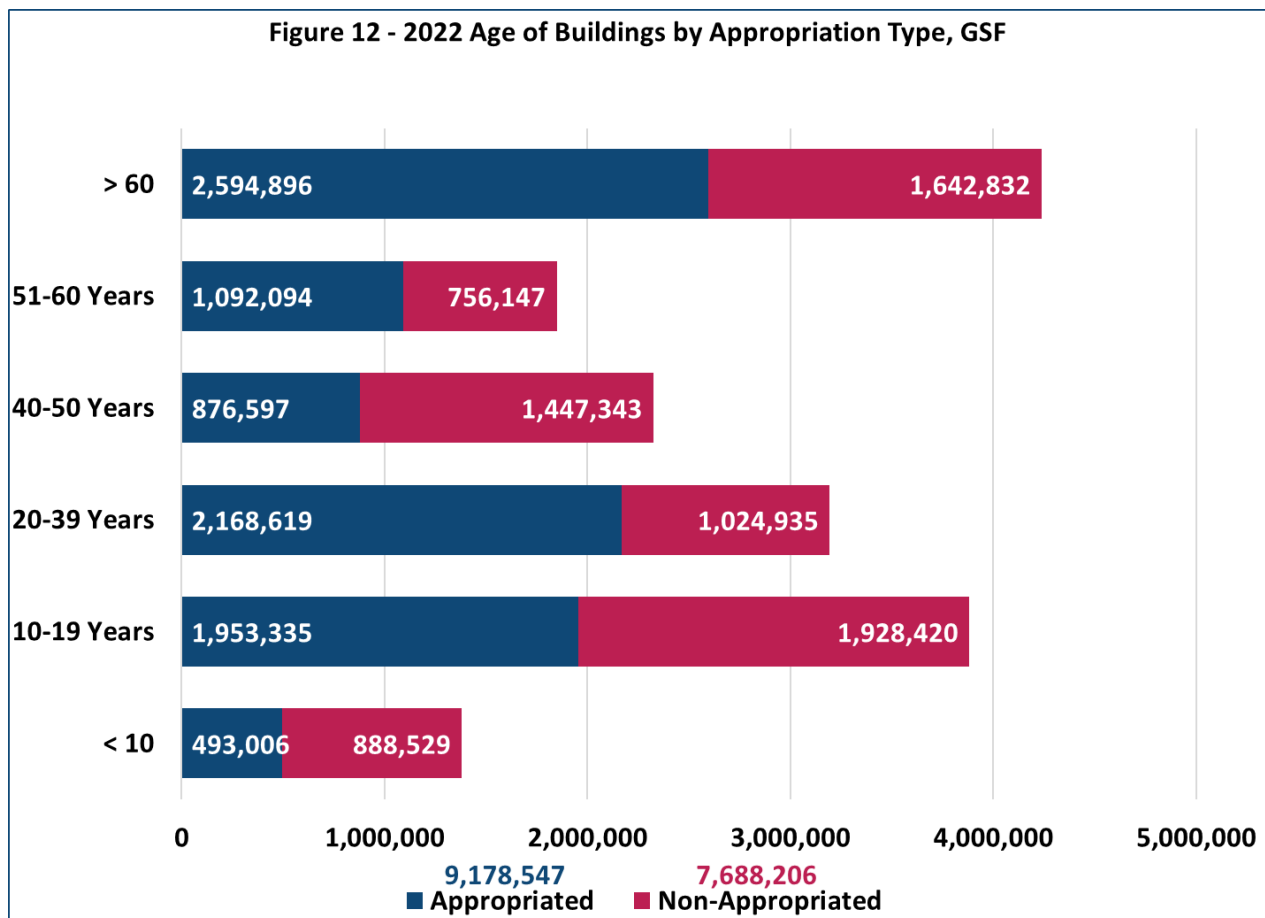
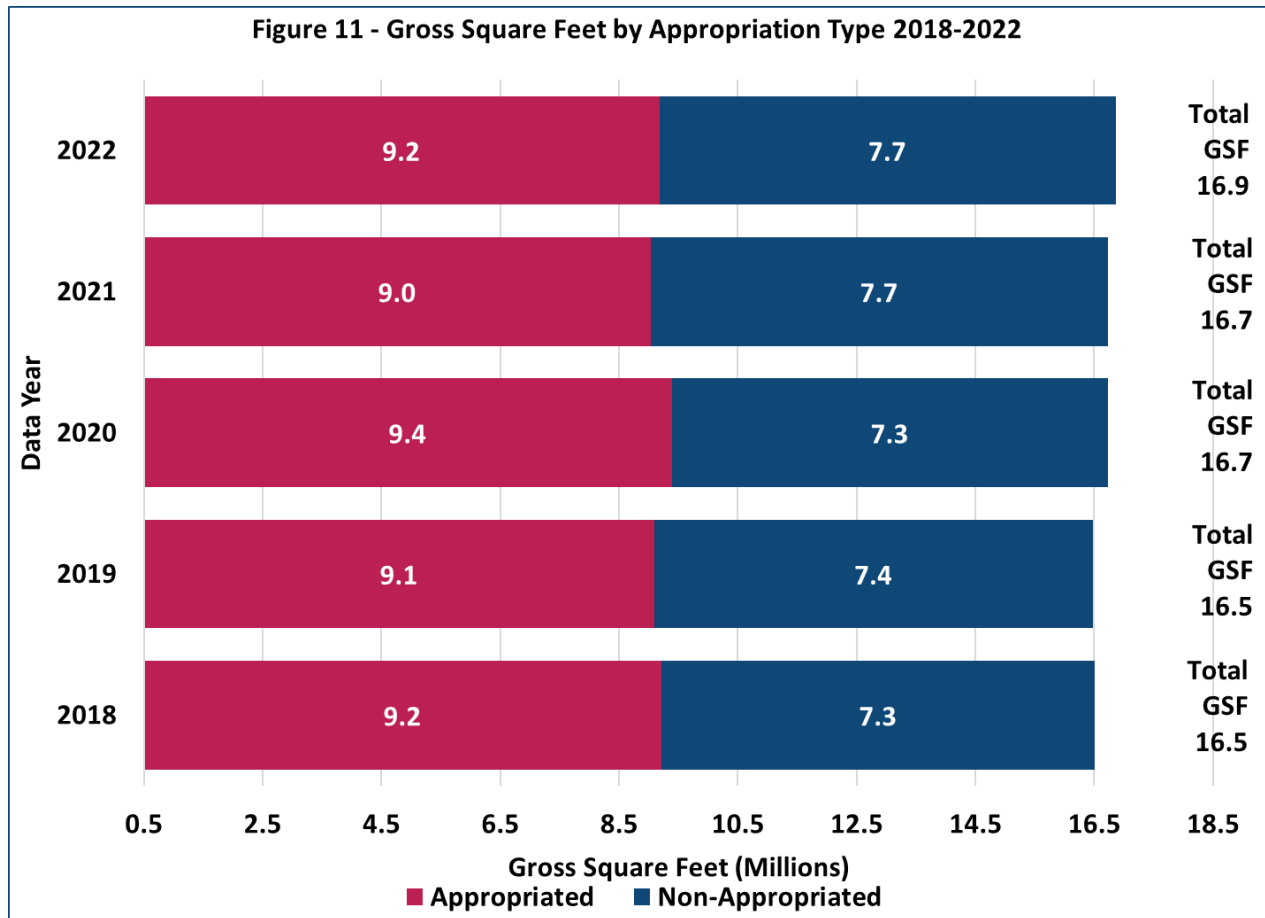
Building Characteristics

North Carolina State University has 16,866,753 gross square feet of space comprised of 1,072 buildings (143 residential, 929 non-residential; 900 appropriated, 172 non-appropriated; 945 owned, 29 leased, 98 under other agreement terms) with 9,383,128 square feet of assignable space, having increased by 0.5% within the last five years. Since 2021, gross square footage has increased by 137,068 SF, or 0.8%.

North Carolina State University Building Characteristics	
1,072 Total Buildings	
900 Appropriated	945 Owned
172 Non-Appropriated	29 Leased
	98 Other Agreement
<u>1,072 Total</u>	<u>1,072 Total</u>



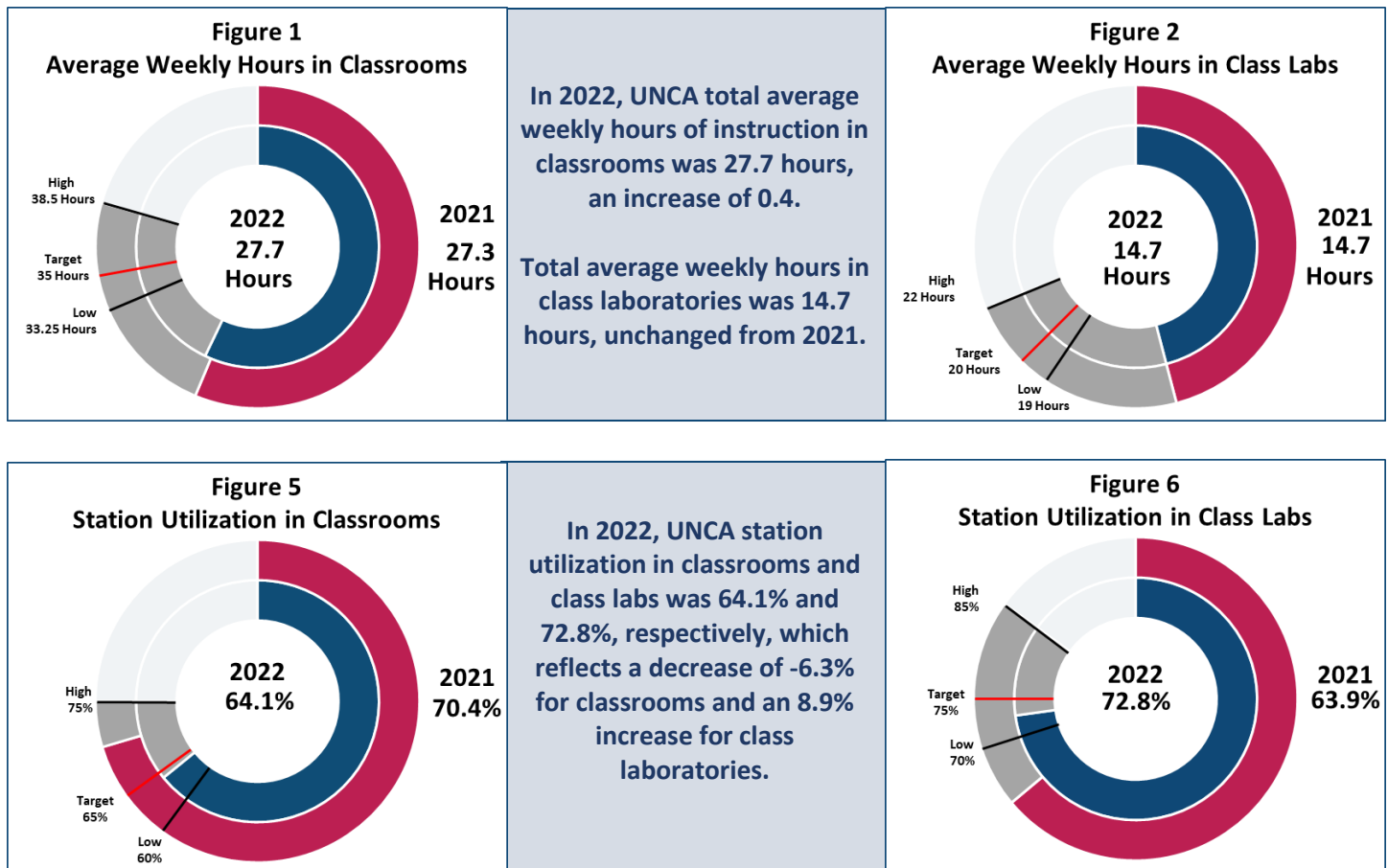
North Carolina State University Summary



University of North Carolina Asheville Summary

UNC Asheville offers an adaptive, affordable, and relevant education as the designated liberal arts and sciences campus in the UNC System. Established in Asheville in 1927 as the two-year Buncombe County Junior College, today UNCA focuses on undergraduate studies that prepare students for meaningful lives and careers that make an impact. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

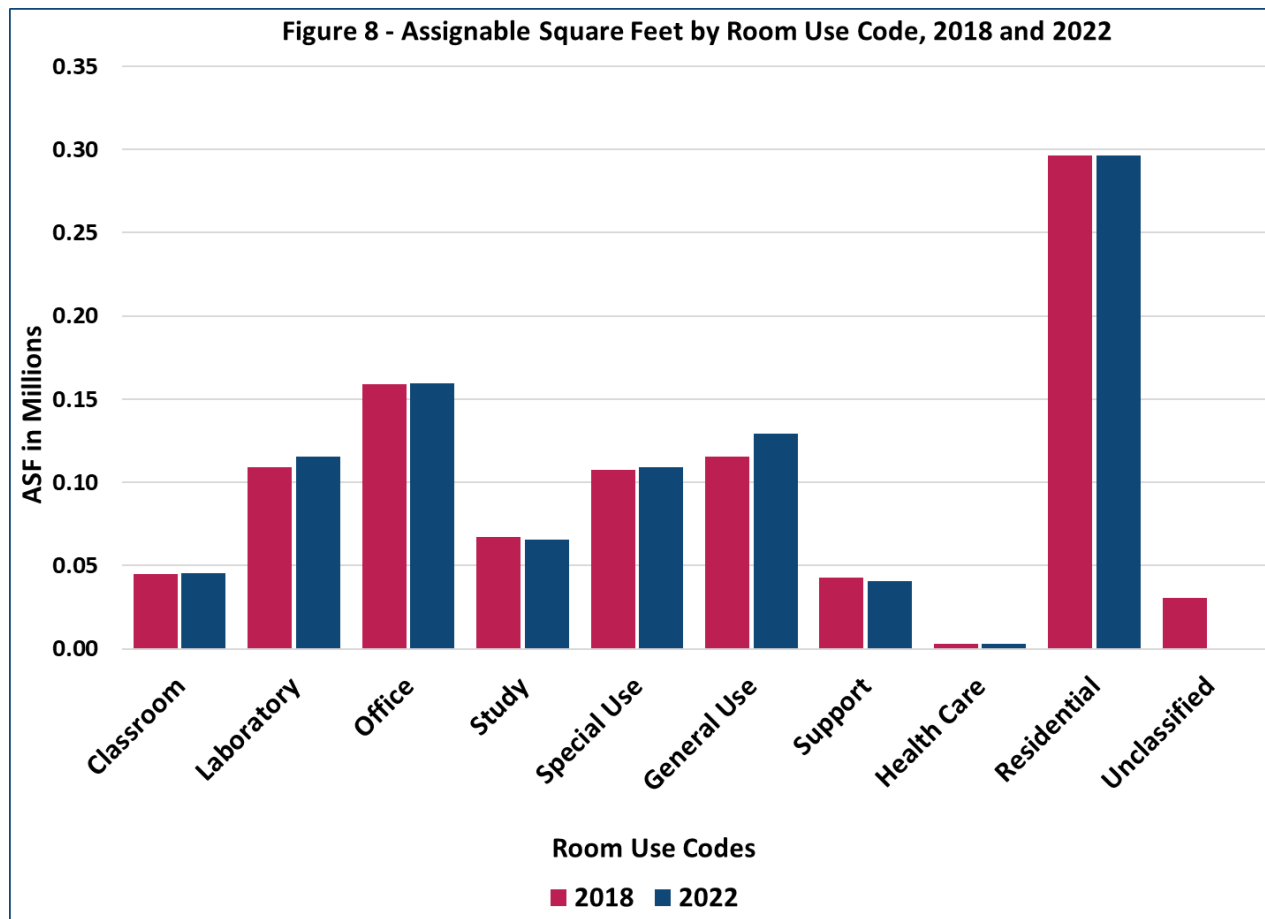
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC Asheville increased from 939,281 to 964,668, or 3.6% from the previous year.

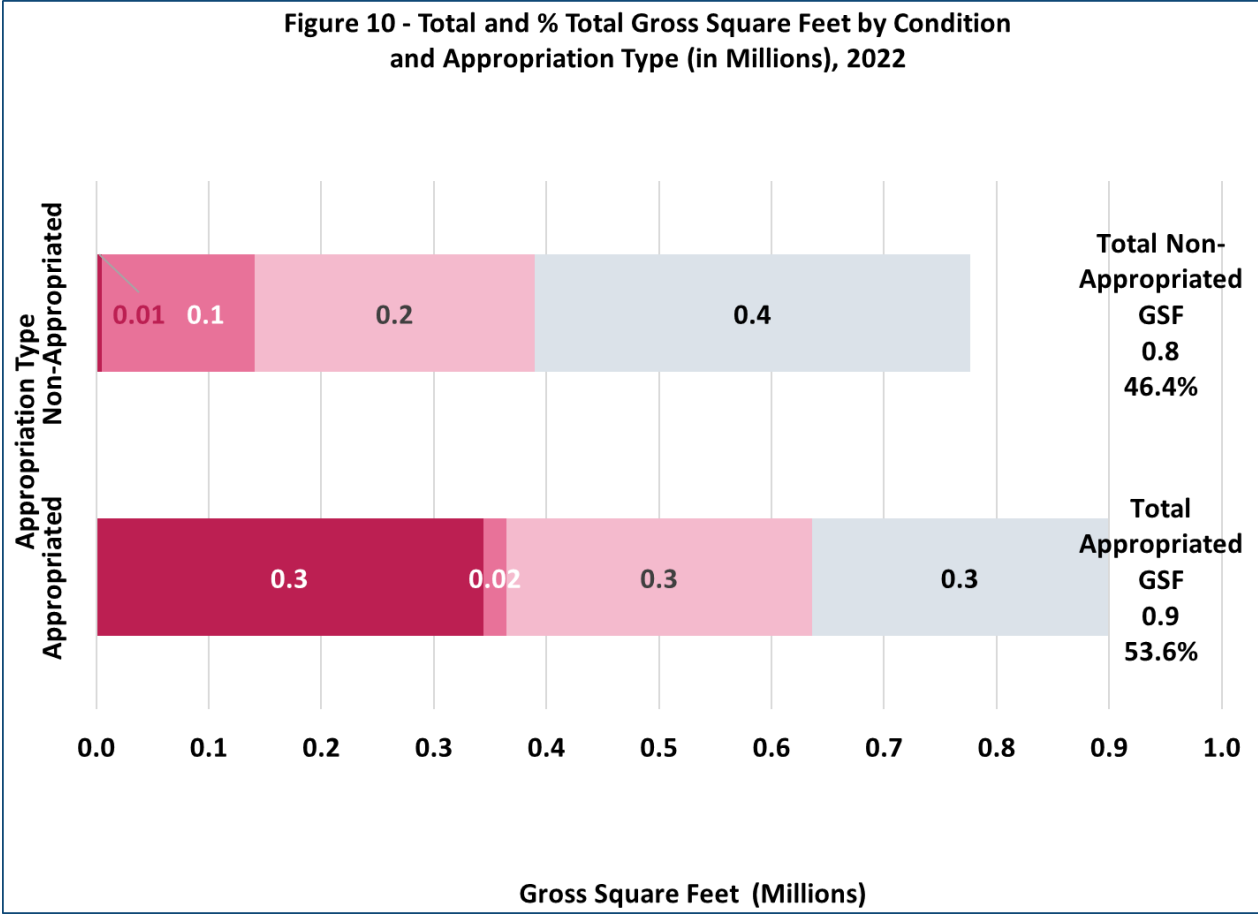
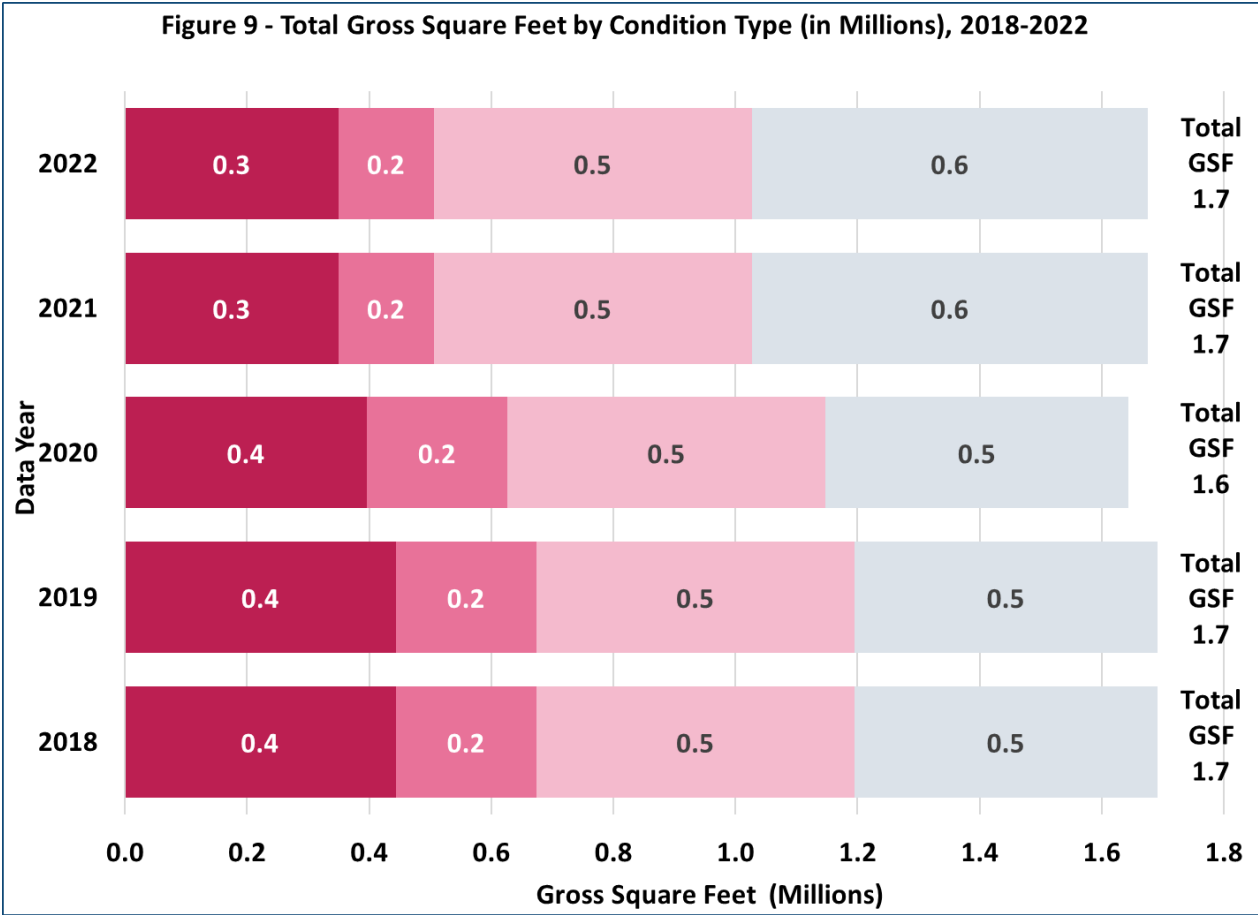
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	230,000	23.84%	22.16%	1.68%
Research	13,337	1.38%	1.40%	-0.02%
Public Service	10,514	1.09%	1.08%	0.01%
Student Service	530,296	54.97%	52.51%	2.46%
Other	180,521	18.71%	22.85%	-4.13%



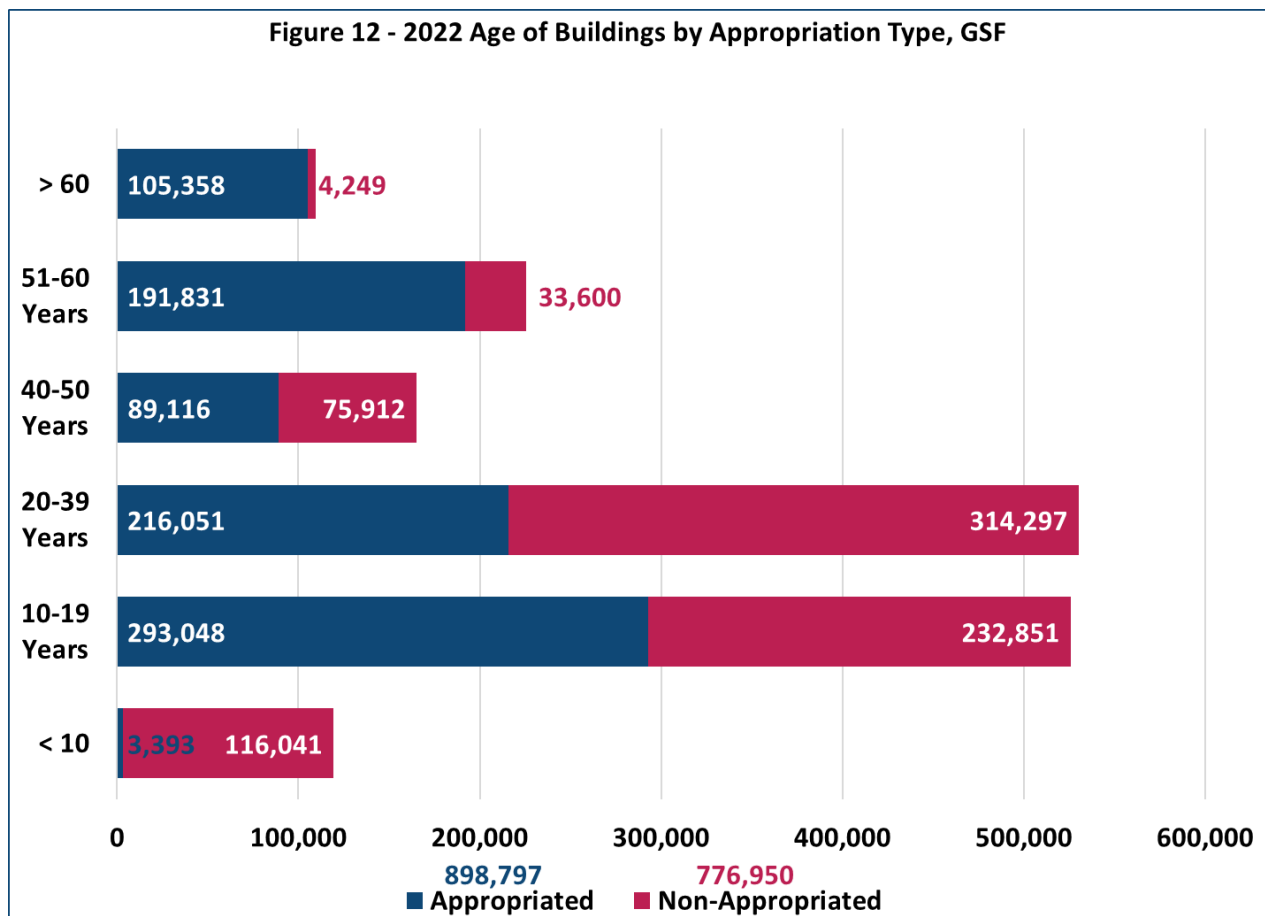
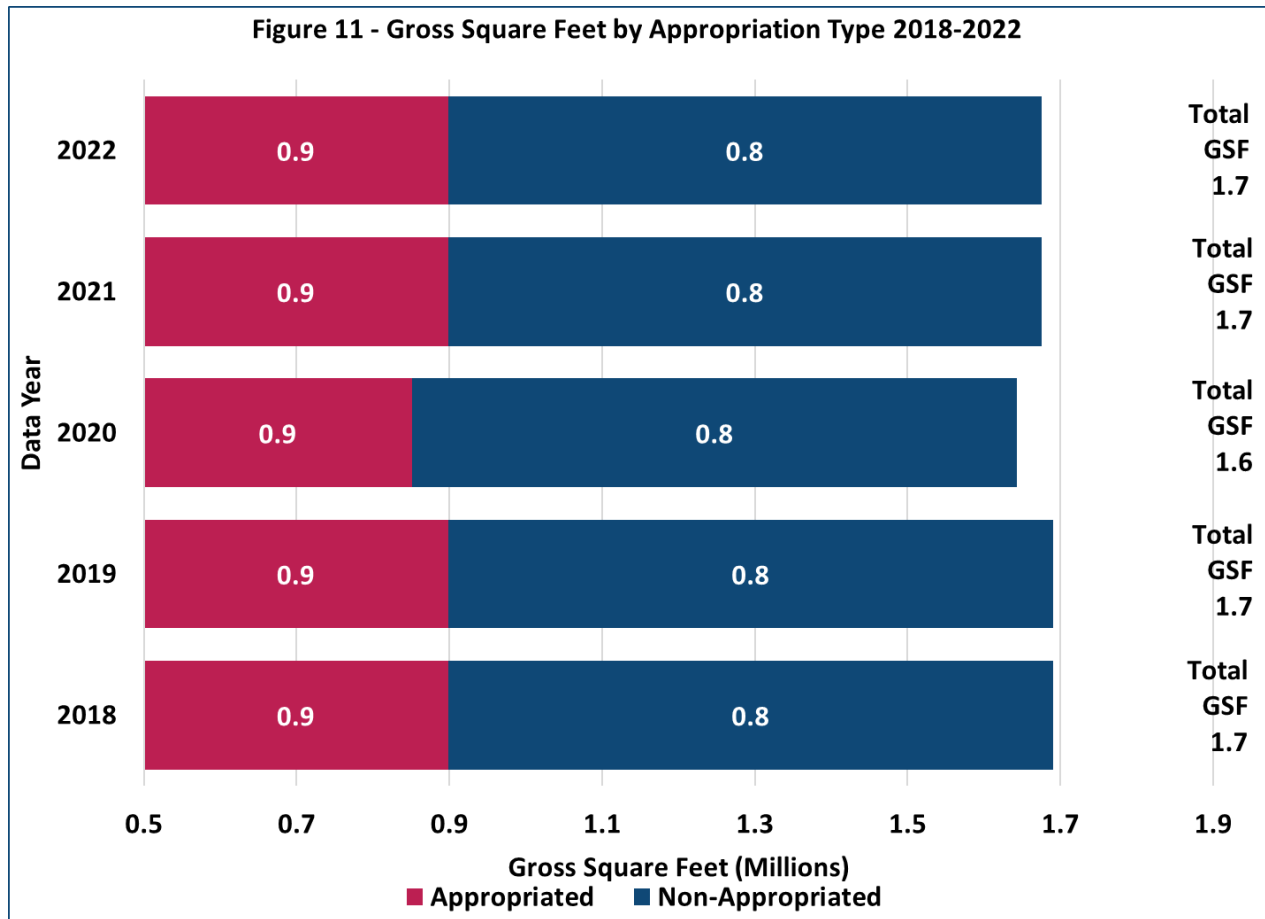
Building Characteristics

University of North Carolina Asheville has 1,675,747 gross square feet of space comprised of 51 buildings (21 residential, 30 non-residential; 24 appropriated, 27 non-appropriated; 36 owned, 1 leased, 14 under other agreement terms) with 931,199 square feet of assignable space, having increased by 3.3% within the last five years. Since 2021, gross square footage has remained unchanged.

UNC Asheville Building Characteristics	
51 Total Buildings	
24 Appropriated	36 Owned
27 Non-Appropriated	1 Leased
	14 Other Agreement
51 Total	51 Total



University of North Carolina Asheville Summary



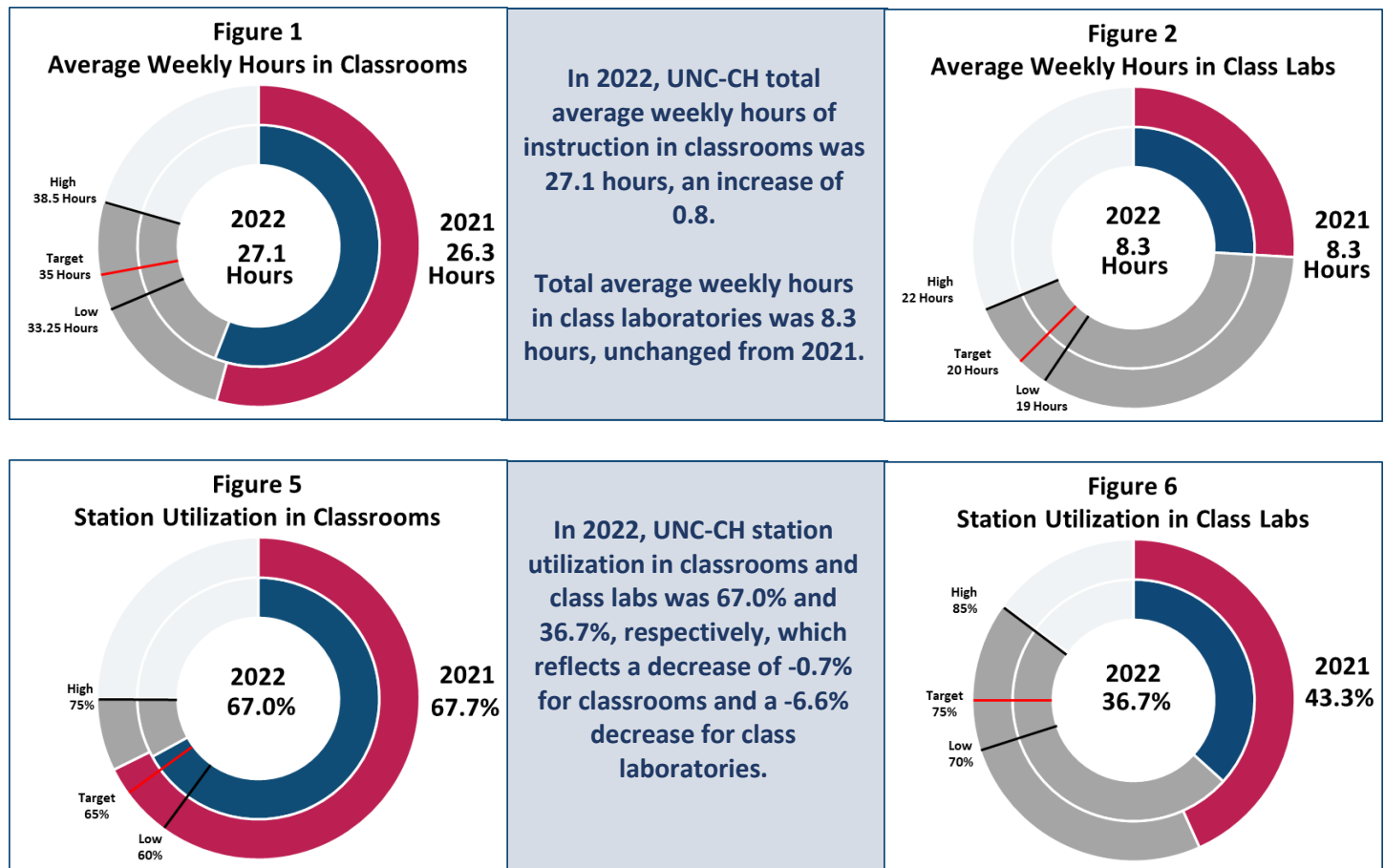
The University of North Carolina at Chapel Hill Summary



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

The University of North Carolina at Chapel Hill is a leading global public research university, committed to and a leader in providing access to a high-quality, affordable education to students from all backgrounds. Carolina's nationally recognized teaching, groundbreaking research, and dedication to public service continue a legacy that began when the University was chartered as the nation's first public university in 1789. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university. The data in this summary excludes UNC-Chapel Hill Health Affairs.

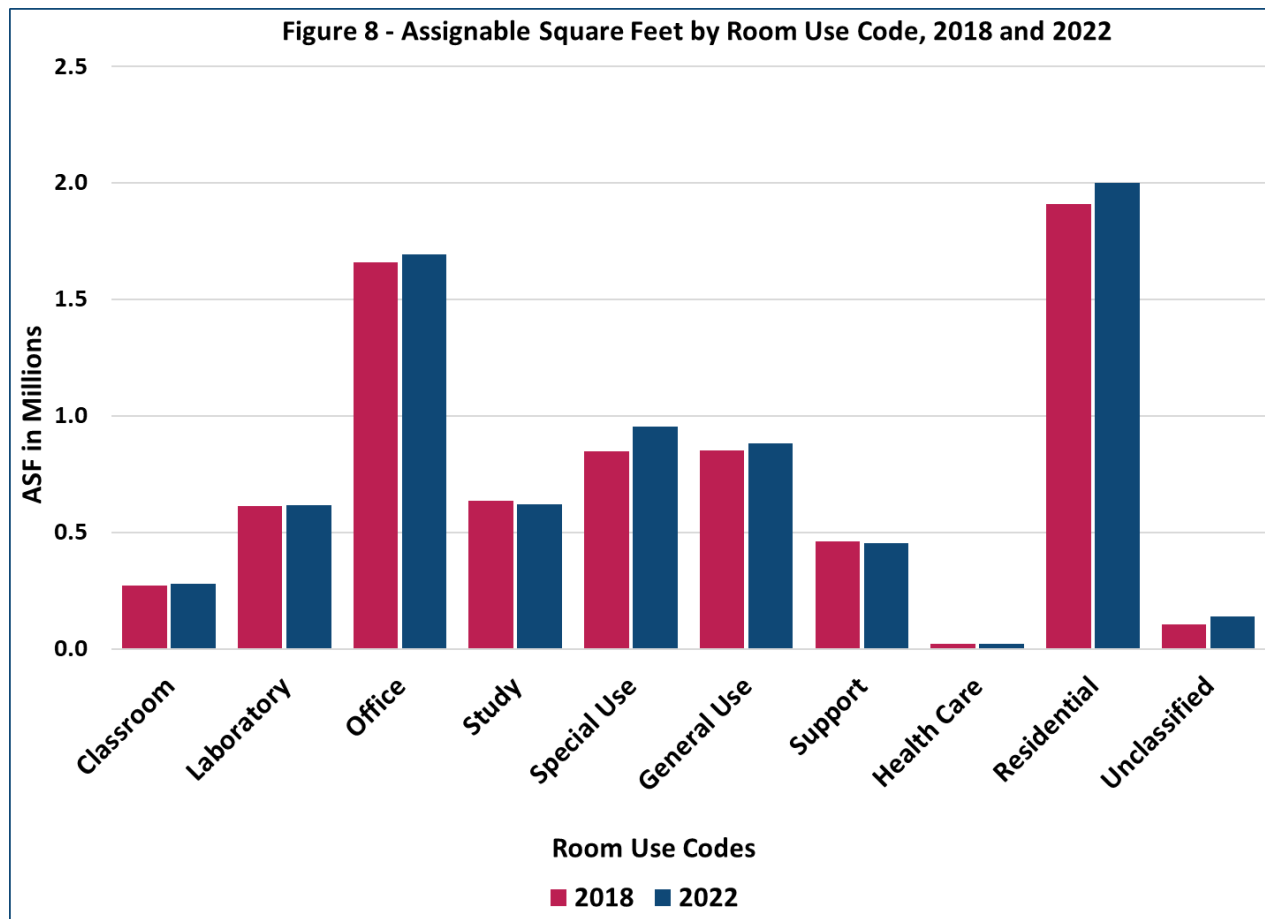
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC-Chapel Hill increased from 7,623,259 to 7,661,139, or 0.5% from the previous year.

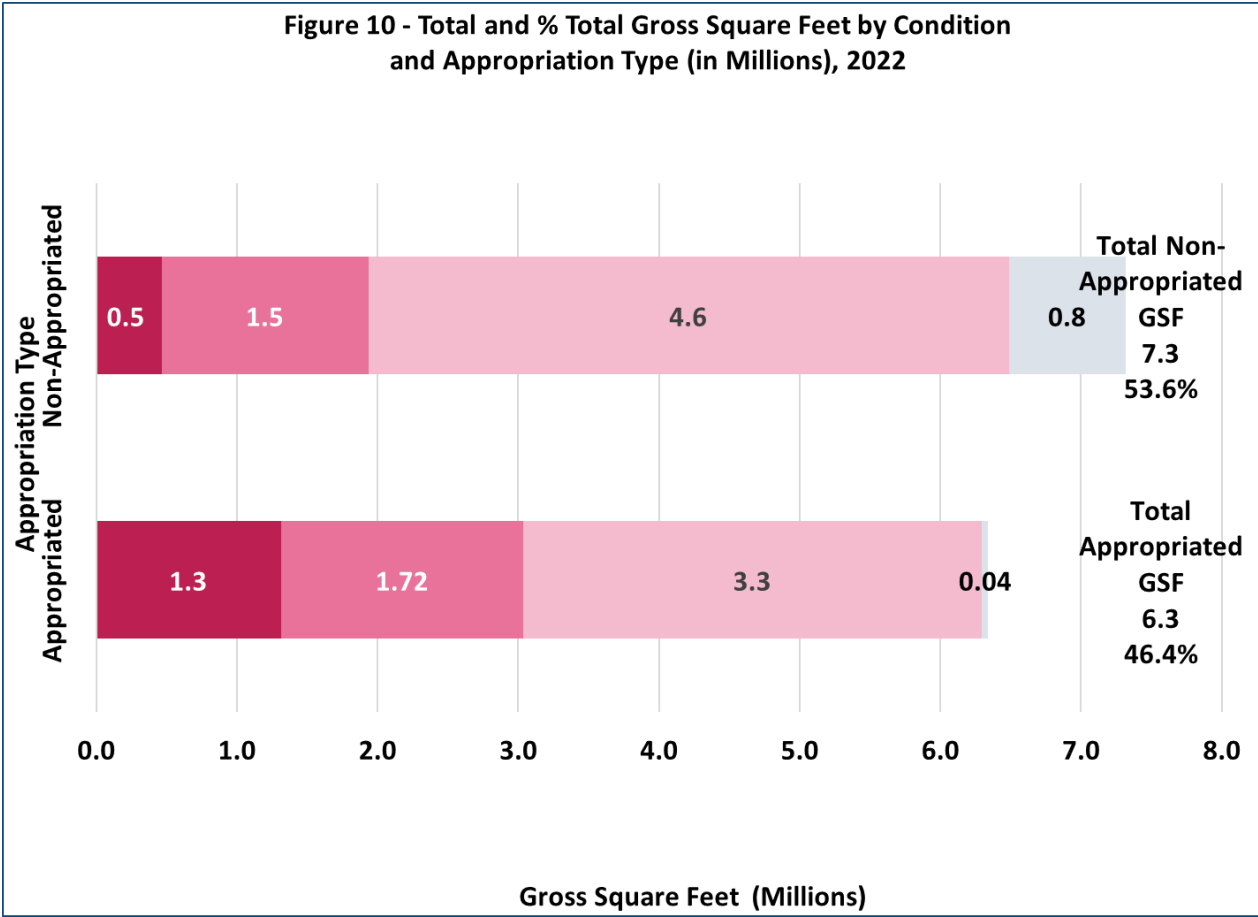
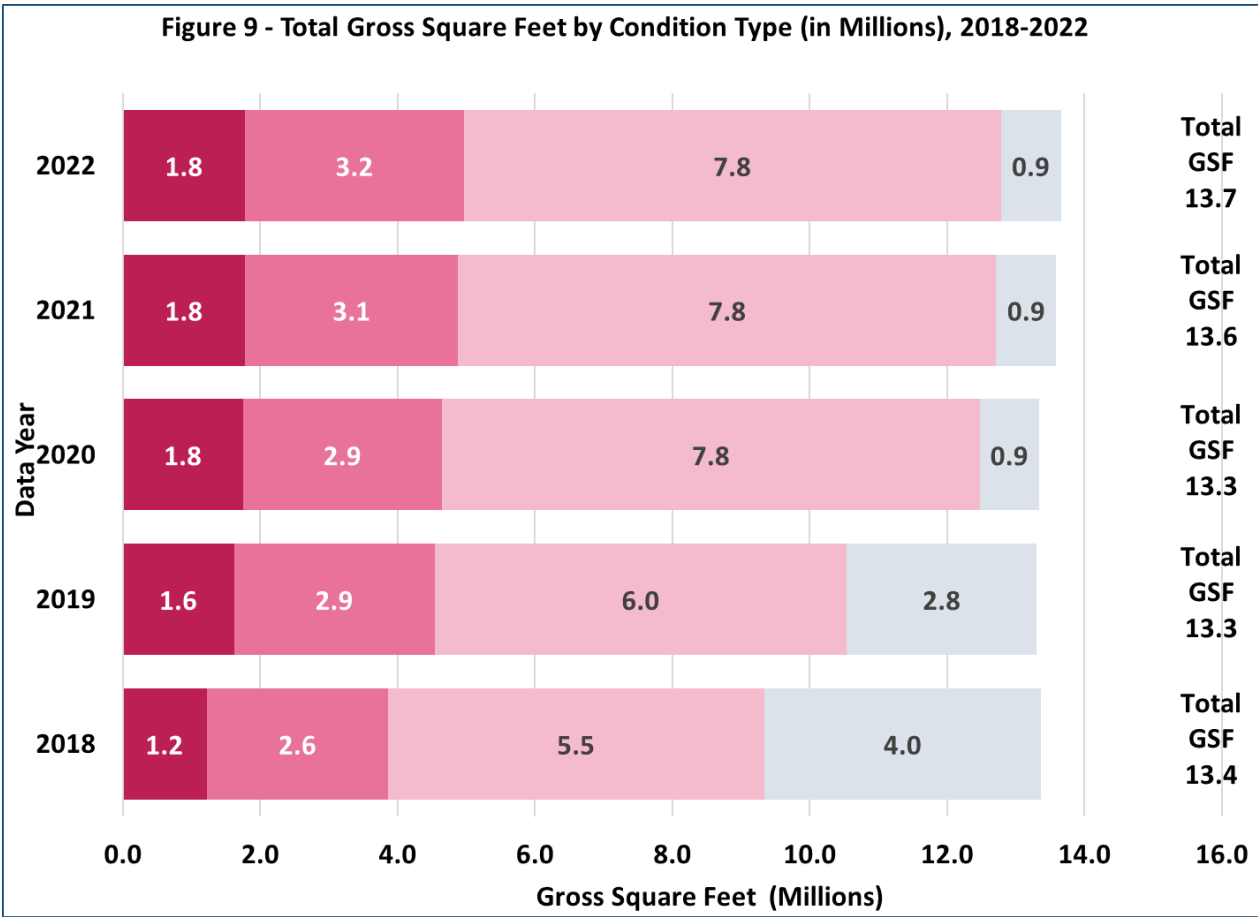
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	1,847,828	24.12%	22.22%	1.90%
Research	568,523	7.42%	7.52%	-0.10%
Public Service	45,851	0.60%	0.64%	-0.04%
Student Service	3,571,898	46.62%	47.14%	-0.52%
Other	1,627,039	21.24%	22.48%	-1.25%



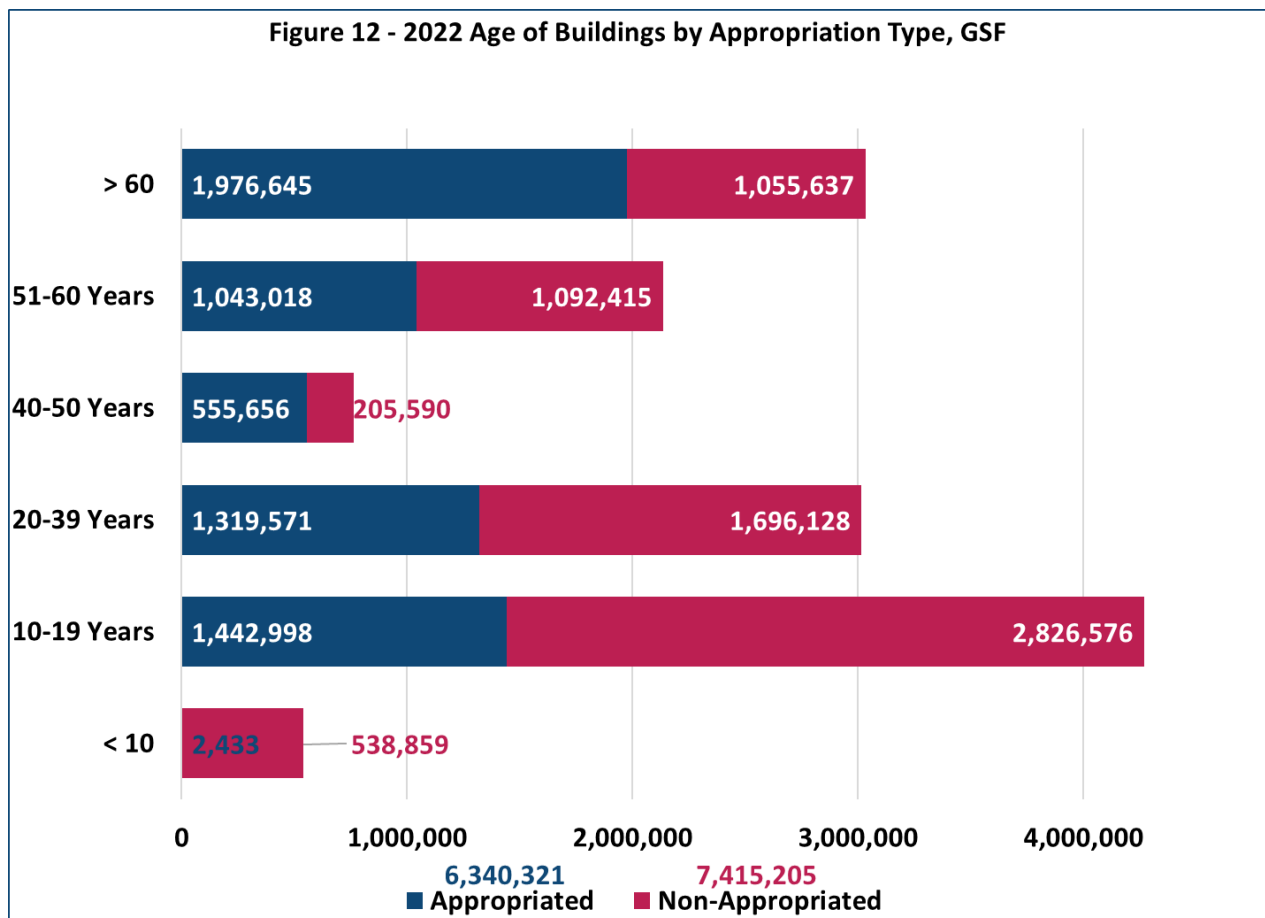
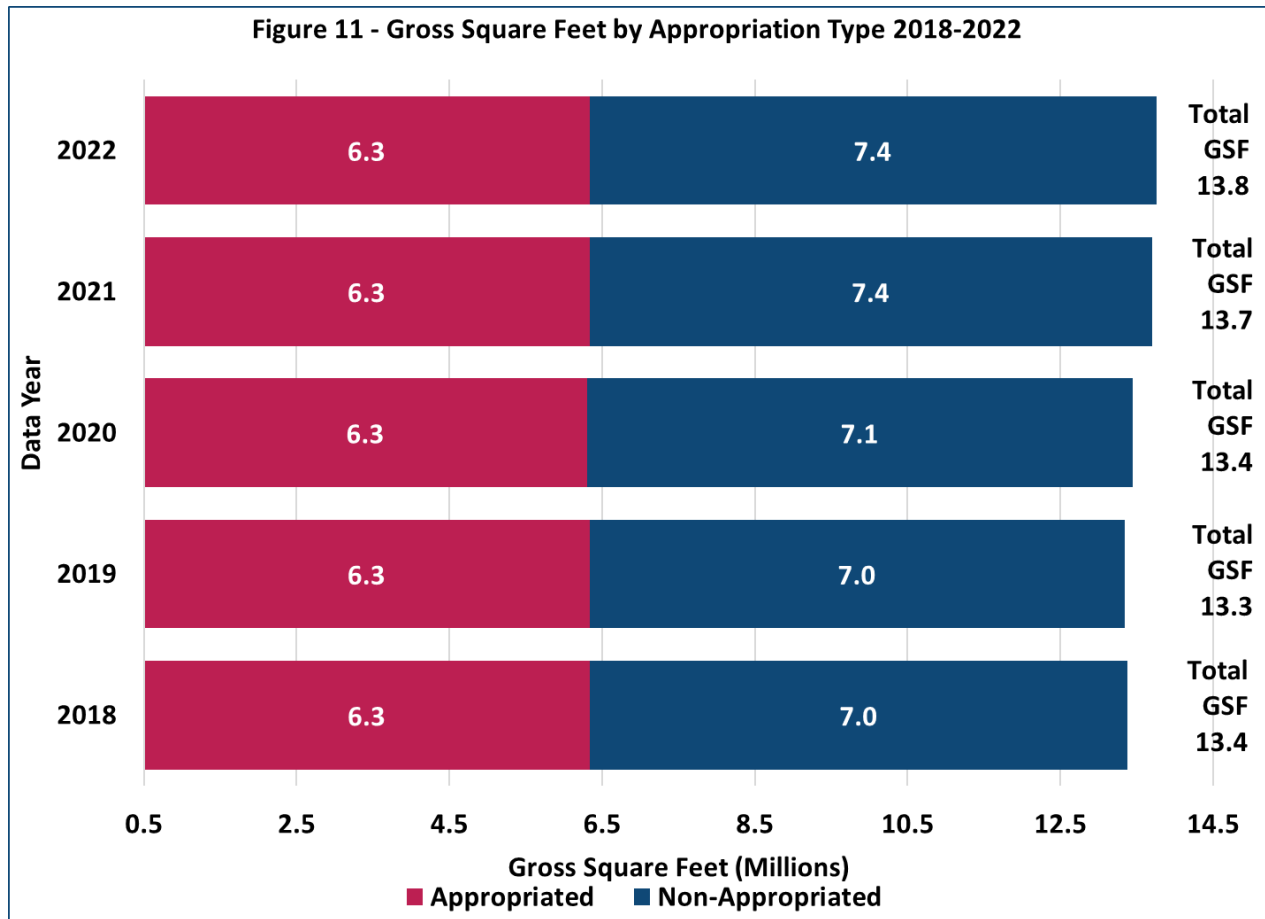
Building Characteristics

The University of North Carolina at Chapel Hill has 13,755,526 gross square feet of space comprised of 372 buildings (76 residential, 296 non-residential; 163 appropriated, 209 non-appropriated; 353 owned, 16 leased, 3 under other agreement terms) with 7,661,139 square feet of assignable space, having increased by 3.9% within the last five years. Since 2021, gross square footage has increased by 54,040 SF, or 0.4%.

UNC Chapel Hill Building Characteristics	
372 Total Buildings	
163 Appropriated	353 Owned
209 Non-Appropriated	16 Leased
	3 Other Agreement
<u>372 Total</u>	<u>372 Total</u>



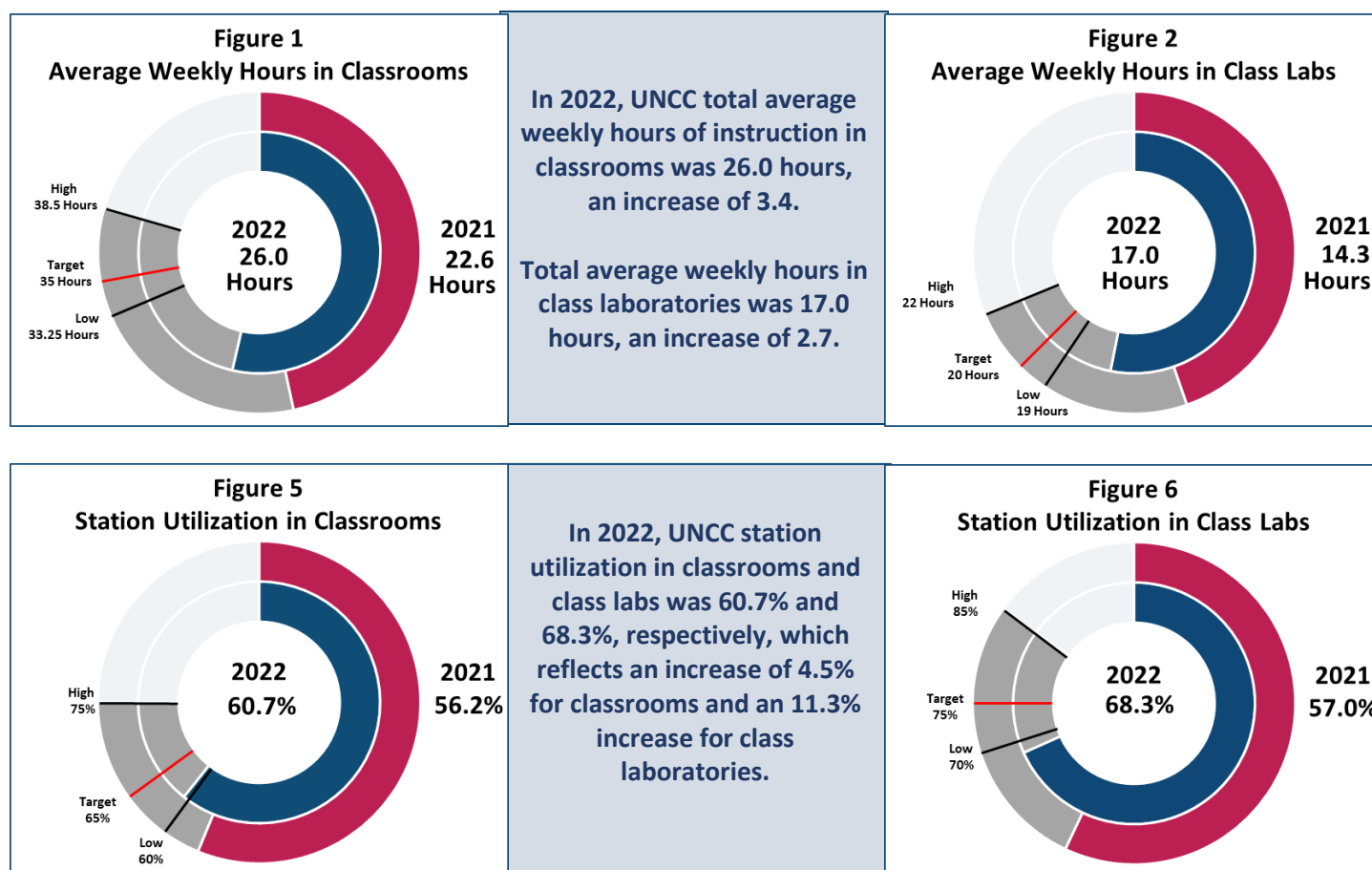
The University of North Carolina at Chapel Hill Summary



University of North Carolina Charlotte Summary

UNC Charlotte is North Carolina's urban research university and the third largest in the UNC System, located in the state's largest city. Established by action of the North Carolina General Assembly in 1949, today UNCC offers competitive undergraduate, graduate, and professional programs in areas shaping the future of business, healthcare, education, energy, data science, and other key fields. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

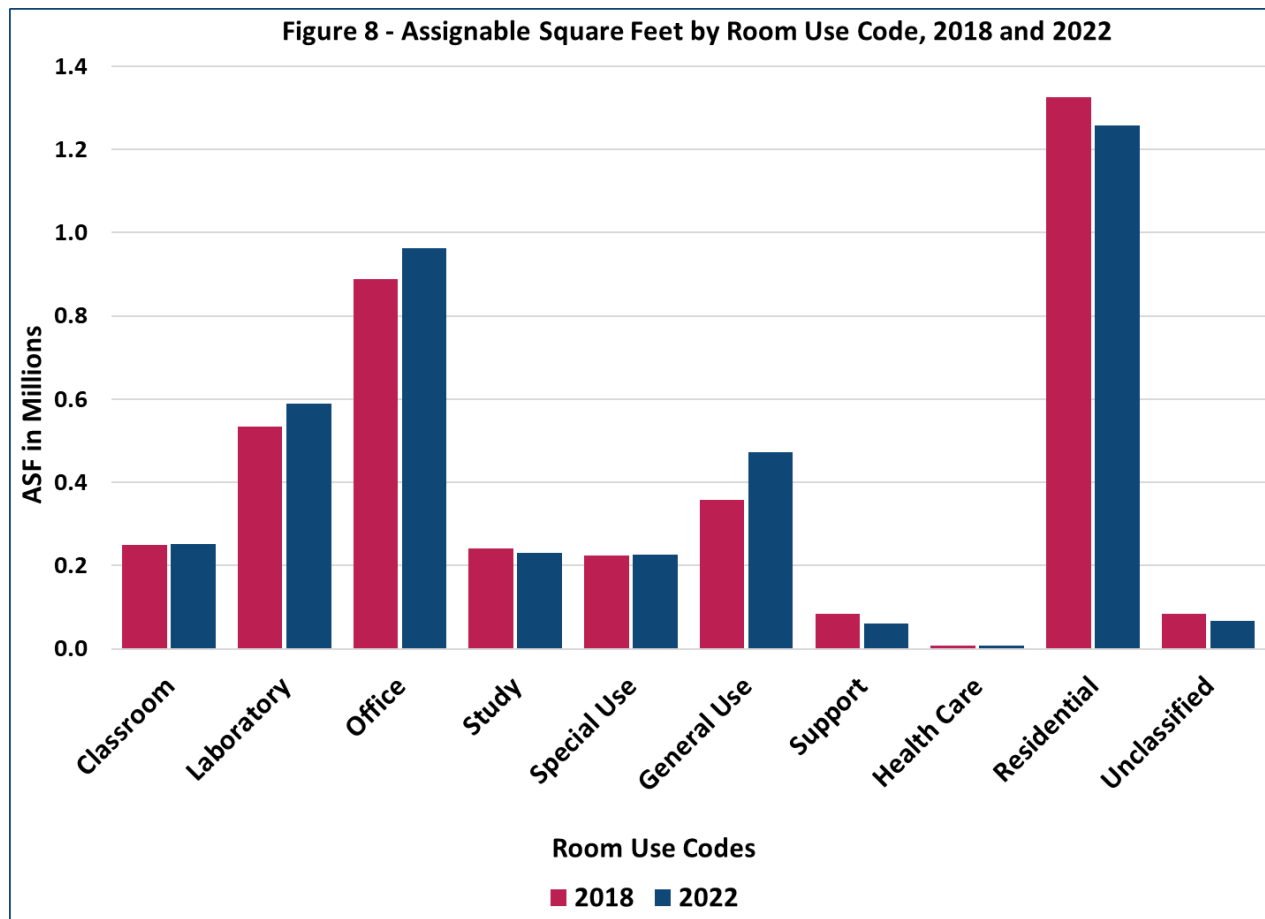
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC Charlotte decreased from 4,132,970 to 4,127,661, or -0.1% from the previous year.

Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	928,628	22.50%	21.60%	0.90%
Research	332,609	8.06%	7.72%	0.34%
Public Service	60,611	1.47%	1.61%	-0.15%
Student Service	2,067,051	50.08%	51.40%	-1.32%
Other	738,762	17.90%	17.67%	0.23%



Building Characteristics

University of North Carolina Charlotte has 10,103,936 gross square feet of space comprised of 122 buildings (34 residential, 88 non-residential; 52 appropriated, 70 non-appropriated; 77 owned, 0 leased, 45 under other agreement terms) with 4,127,661 square feet of assignable space, having increased by 2.6% within the last five years. Since 2021, gross square footage has increased by 67,734 SF, or 0.7%.

UNC Charlotte Building Characteristics	
122 Total Buildings	
52 Appropriated	77 Owned
70 Non-Appropriated	0 Leased
	45 Other Agreement
122 Total	122 Total

Figure 9 - Total Gross Square Feet by Condition Type (in Millions), 2018-2022

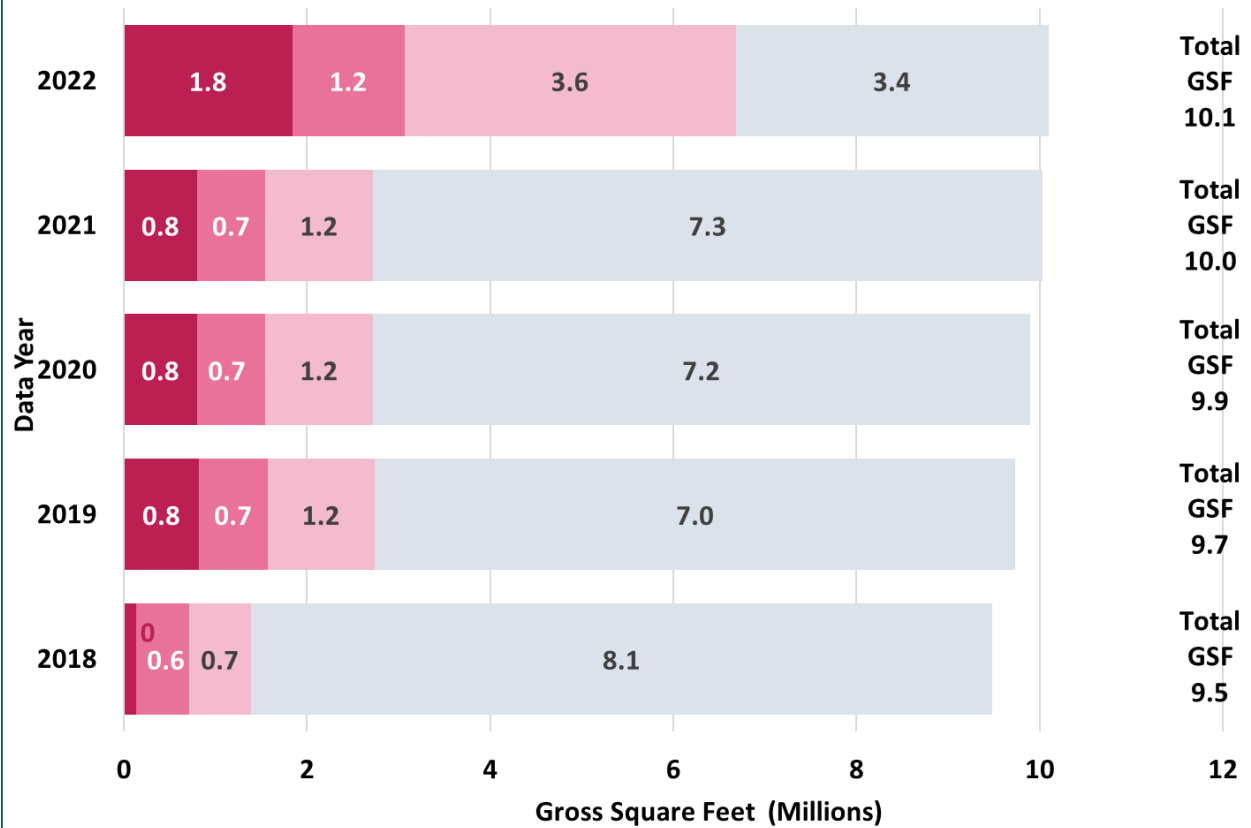
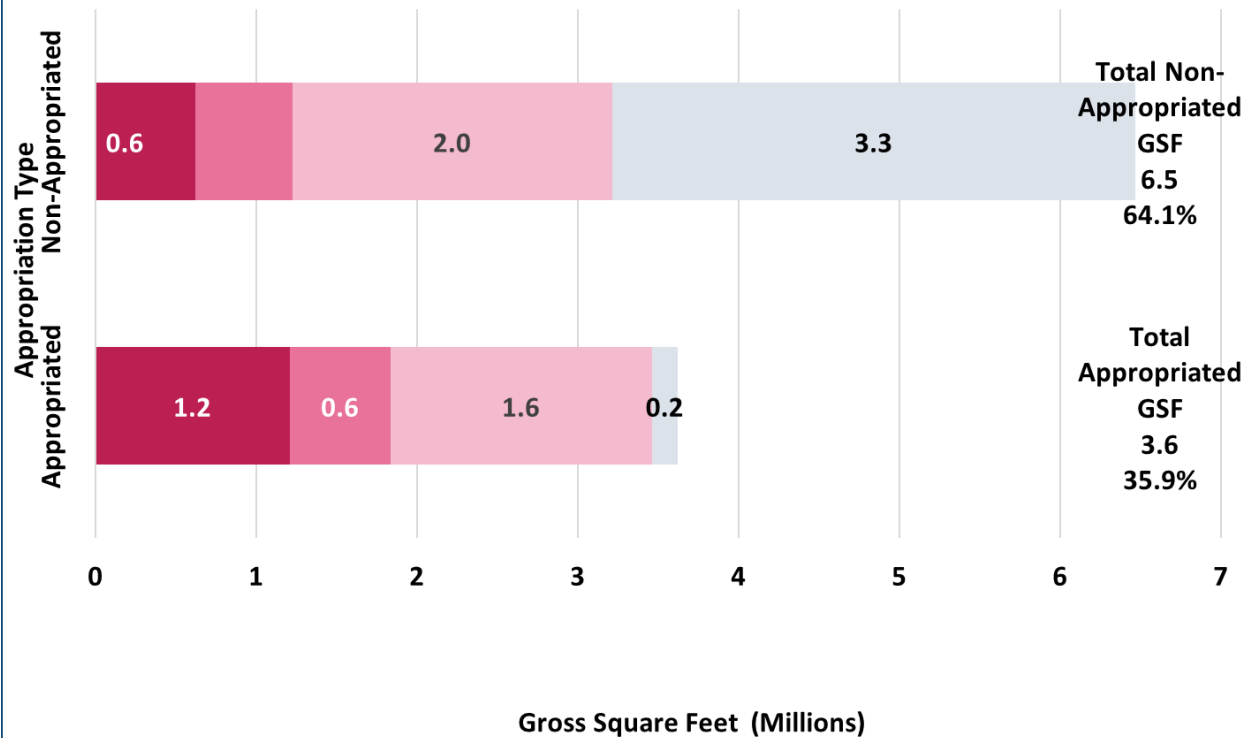
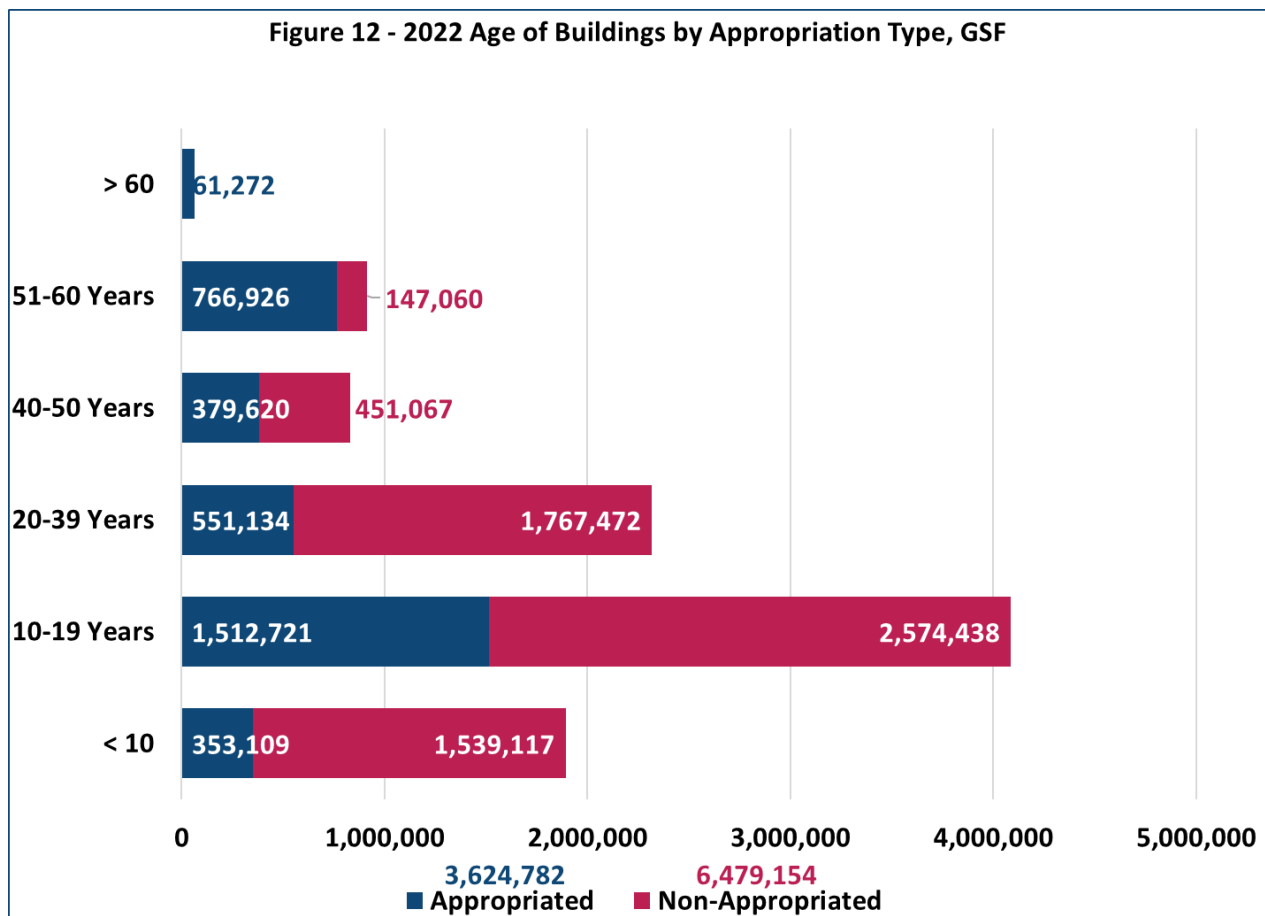
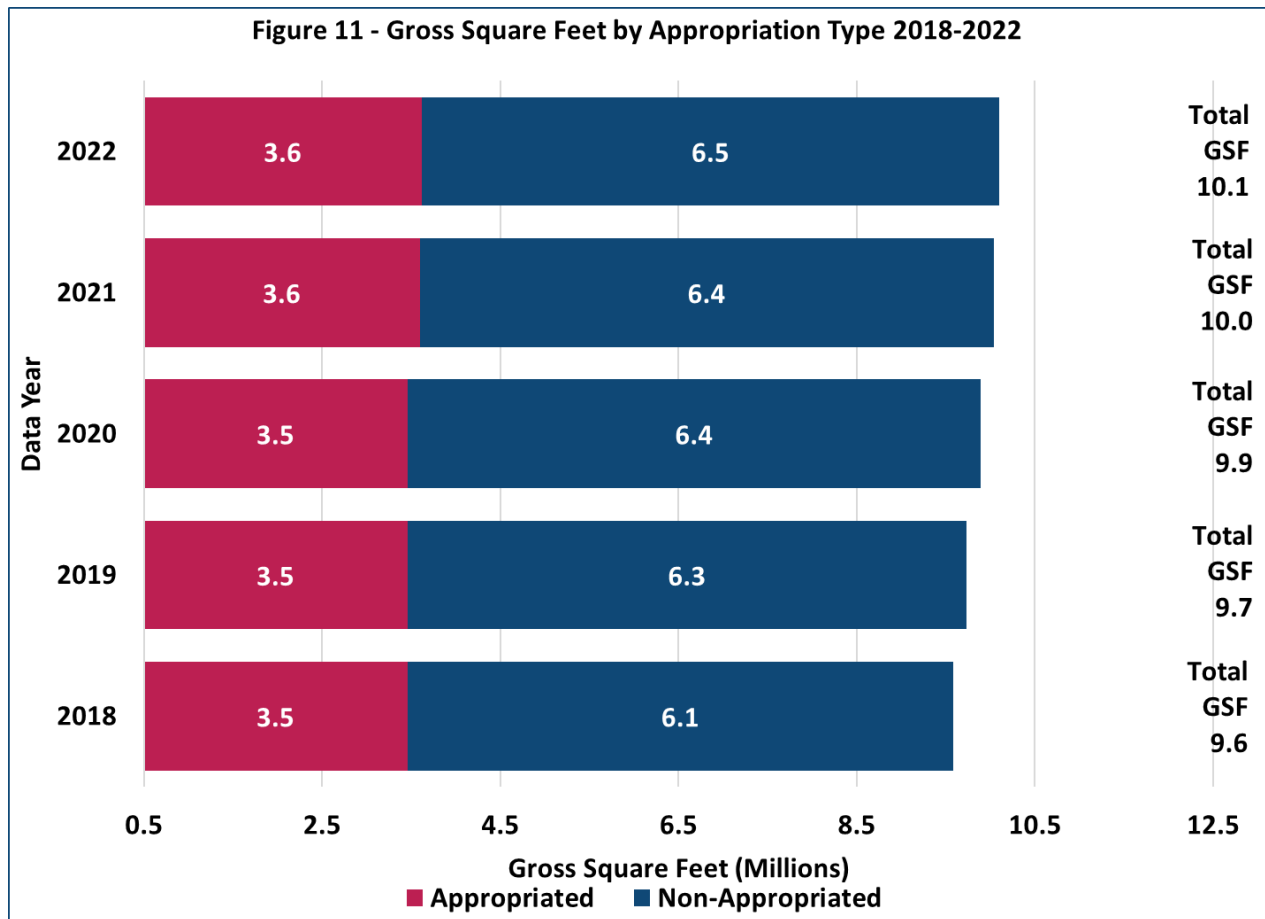


Figure 10 - Total and % Total Gross Square Feet by Condition and Appropriation Type (in Millions), 2022



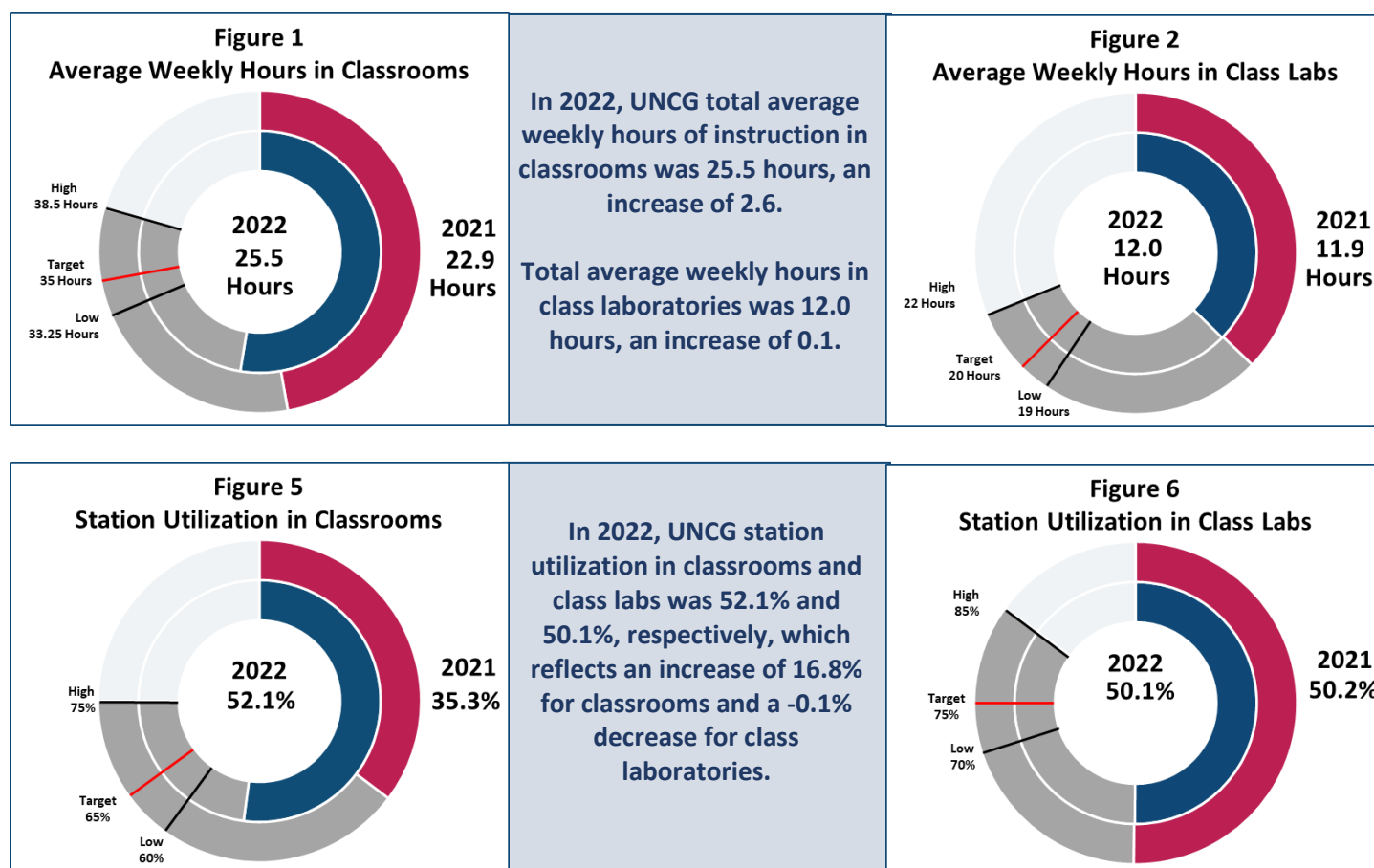
University of North Carolina Charlotte Summary



University of North Carolina Greensboro Summary

Founded in 1891 in Greensboro, the geographical center of the state, UNCG is one of the original three UNC System institutions. Known in its early years as the North Carolina College for Women, UNCG today is one of the most diverse universities in North Carolina, providing more than 125 areas of study and over 80 graduate programs offering more than 180 advanced degrees. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

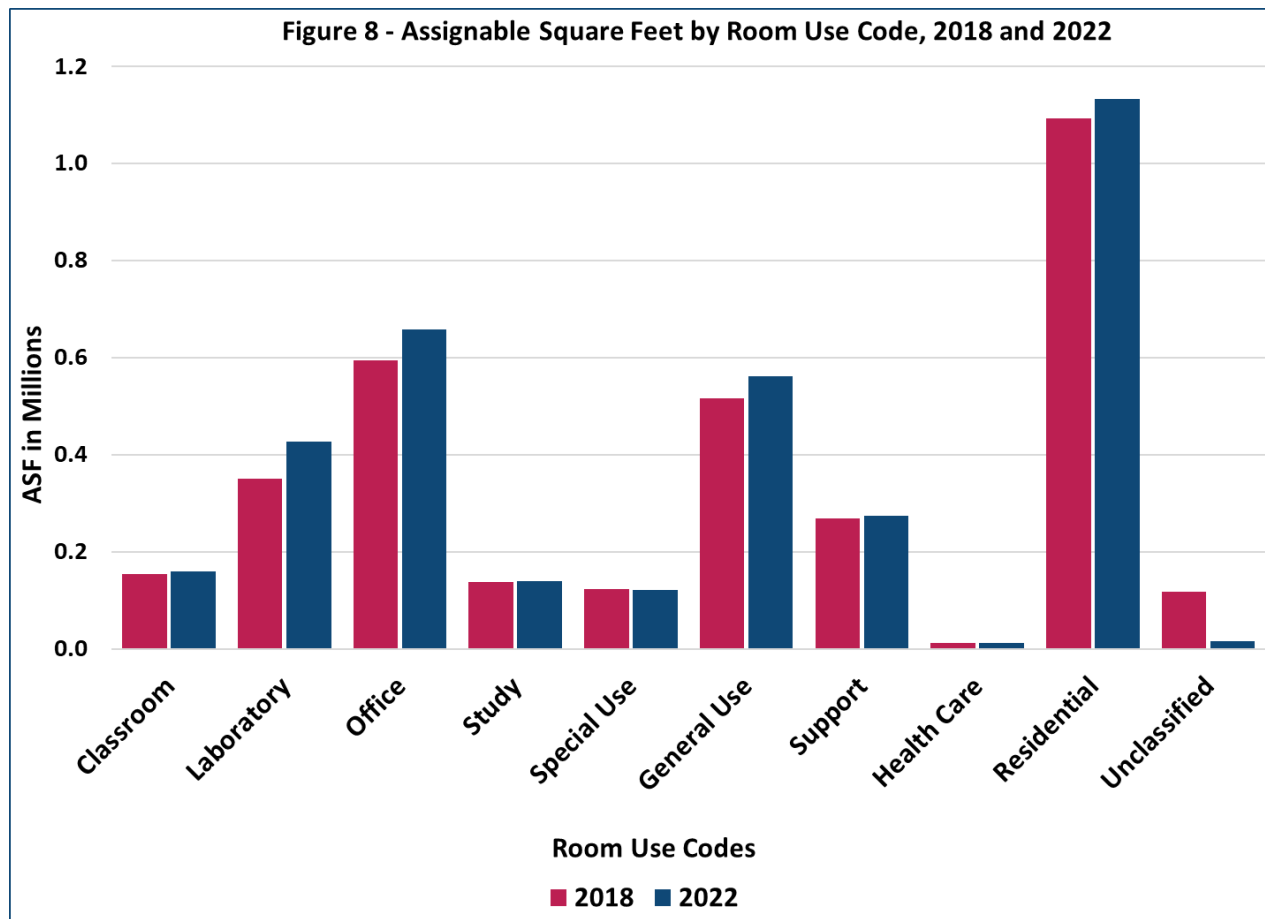
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC Greensboro increased from 3,500,601 to 3,503,315, or 0.1% from the previous year.

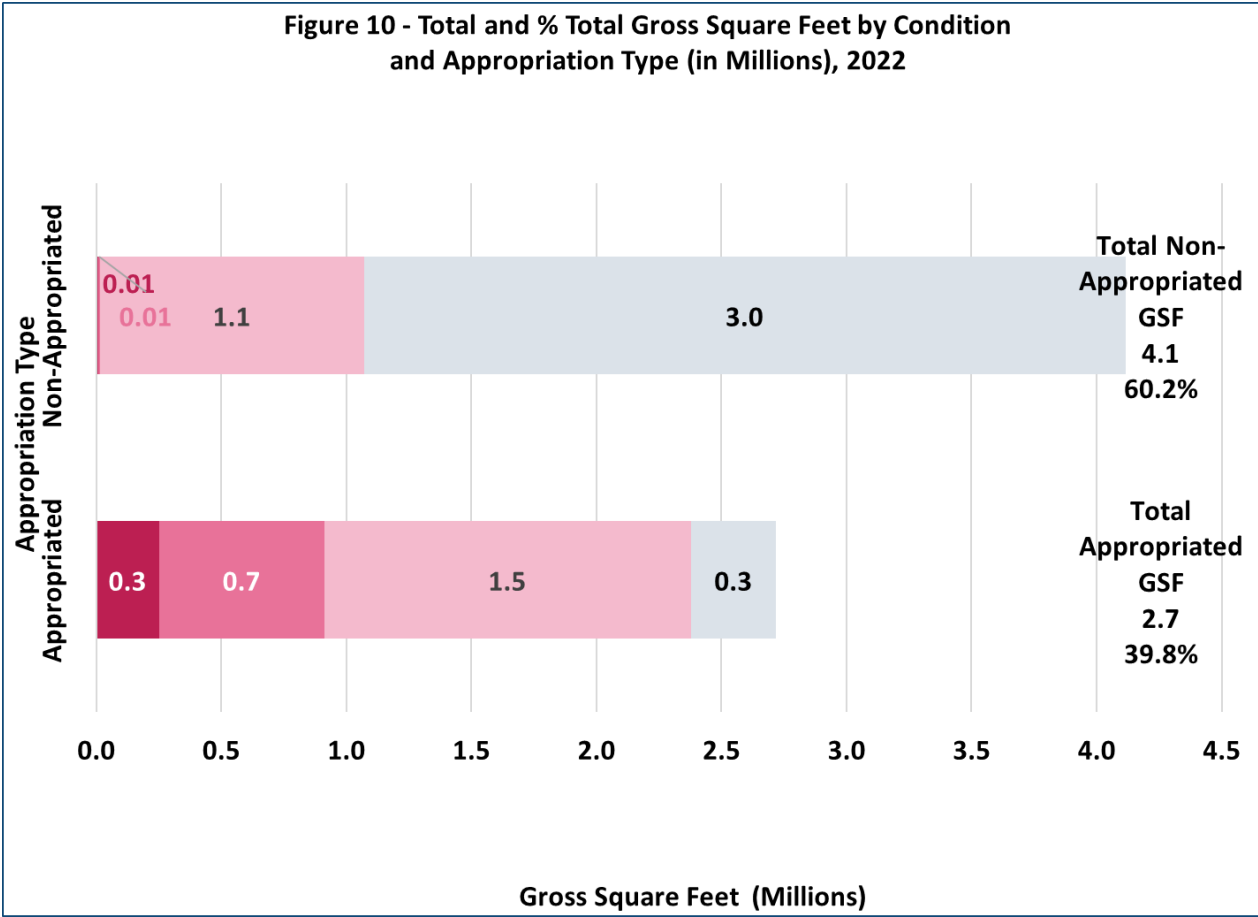
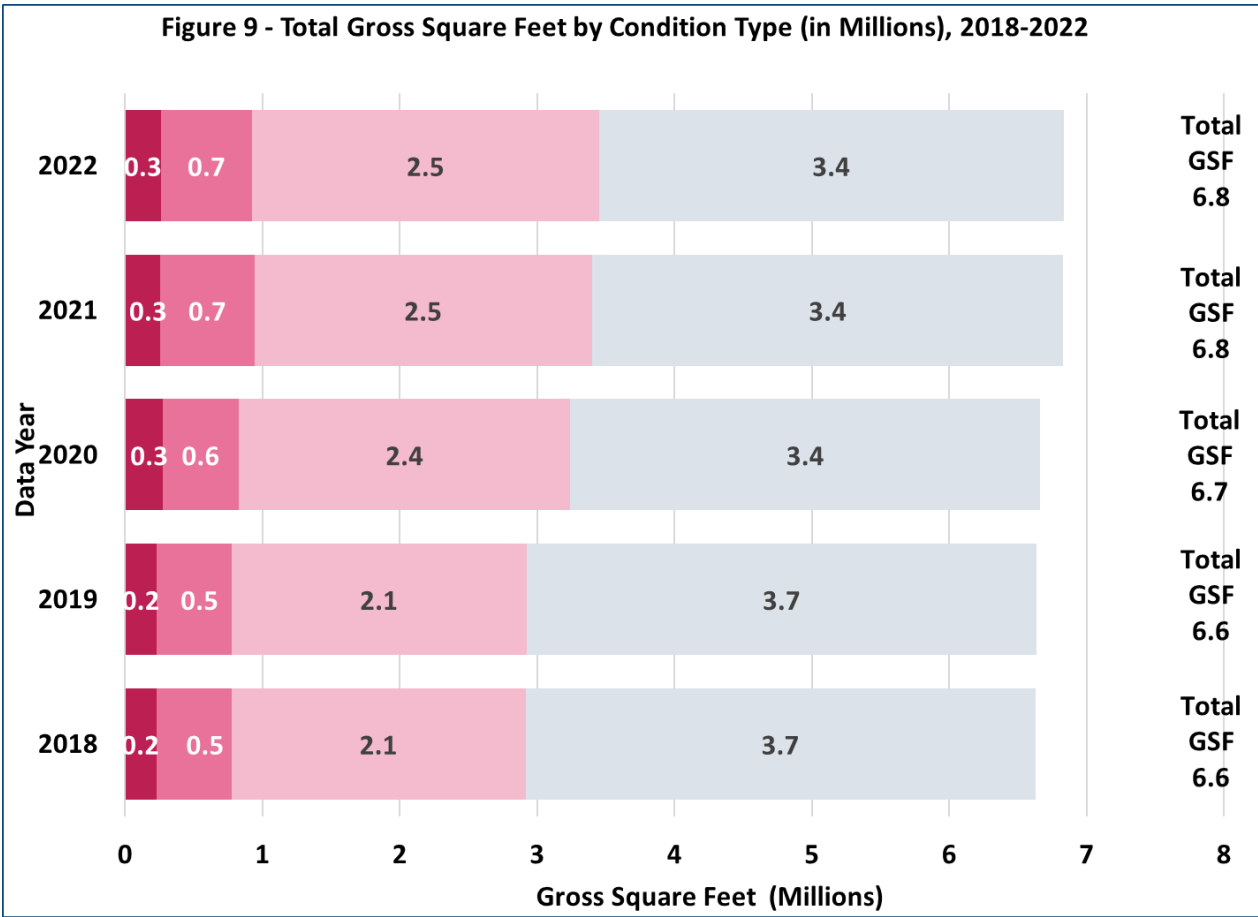
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	773,423	22.08%	20.44%	1.64%
Research	215,835	6.16%	4.97%	1.19%
Public Service	7,285	0.21%	0.28%	-0.07%
Student Service	1,801,048	51.41%	51.74%	-0.33%
Other	705,724	20.14%	22.57%	-2.43%



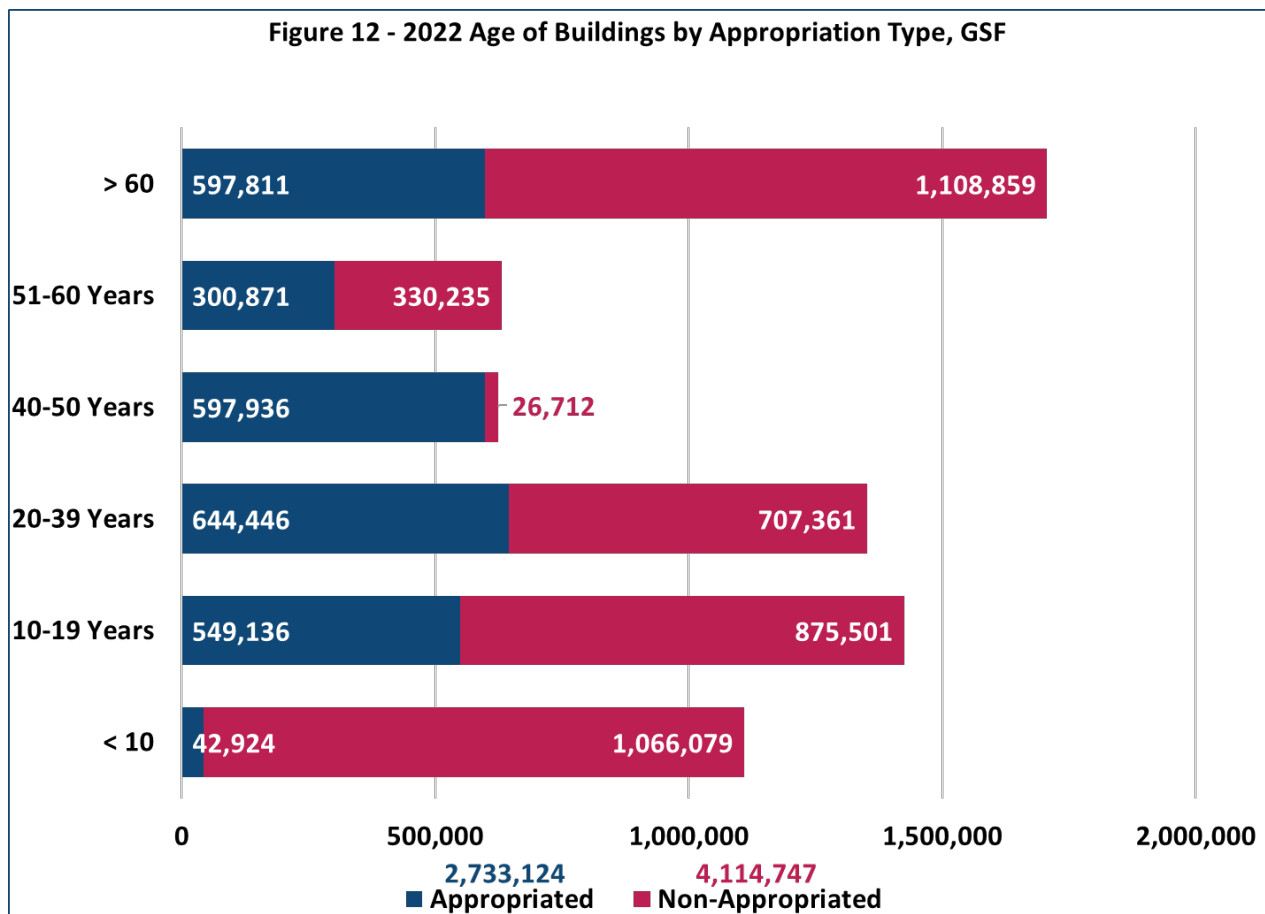
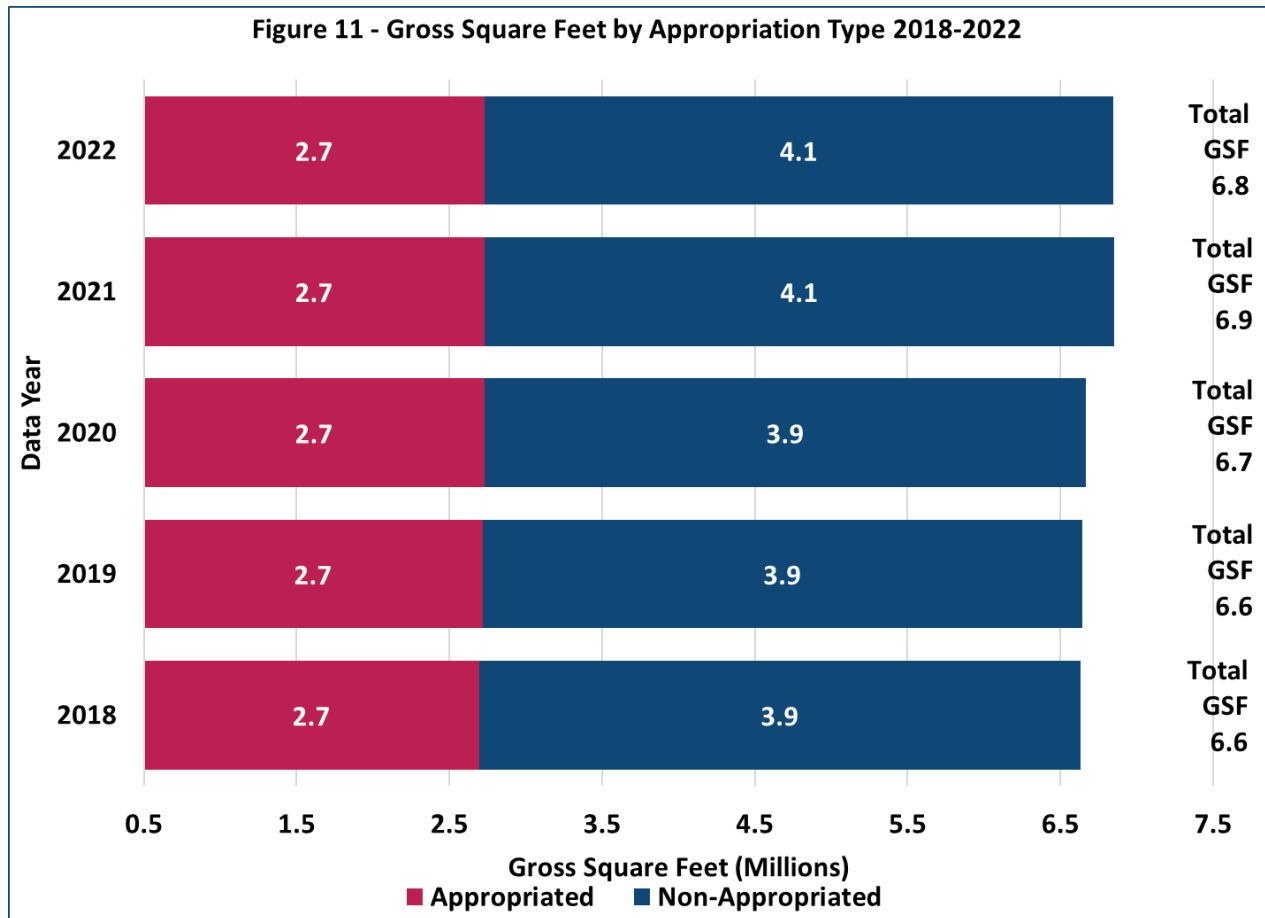
Building Characteristics

University of North Carolina Greensboro has 6,847,871 gross square feet of space comprised of 147 buildings (30 residential, 117 non-residential; 63 appropriated, 84 non-appropriated; 86 owned, 10 leased, 51 under other agreement terms) with 3,503,315 square feet of assignable space, having increased by 4.1% within the last five years. Since 2021, gross square footage has decreased -5,982 SF, or -0.1%.

UNC Greensboro Building Characteristics	
147 Total Buildings	
63 Appropriated	86 Owned
84 Non-Appropriated	10 Leased
	51 Other Agreement
147 Total	147 Total



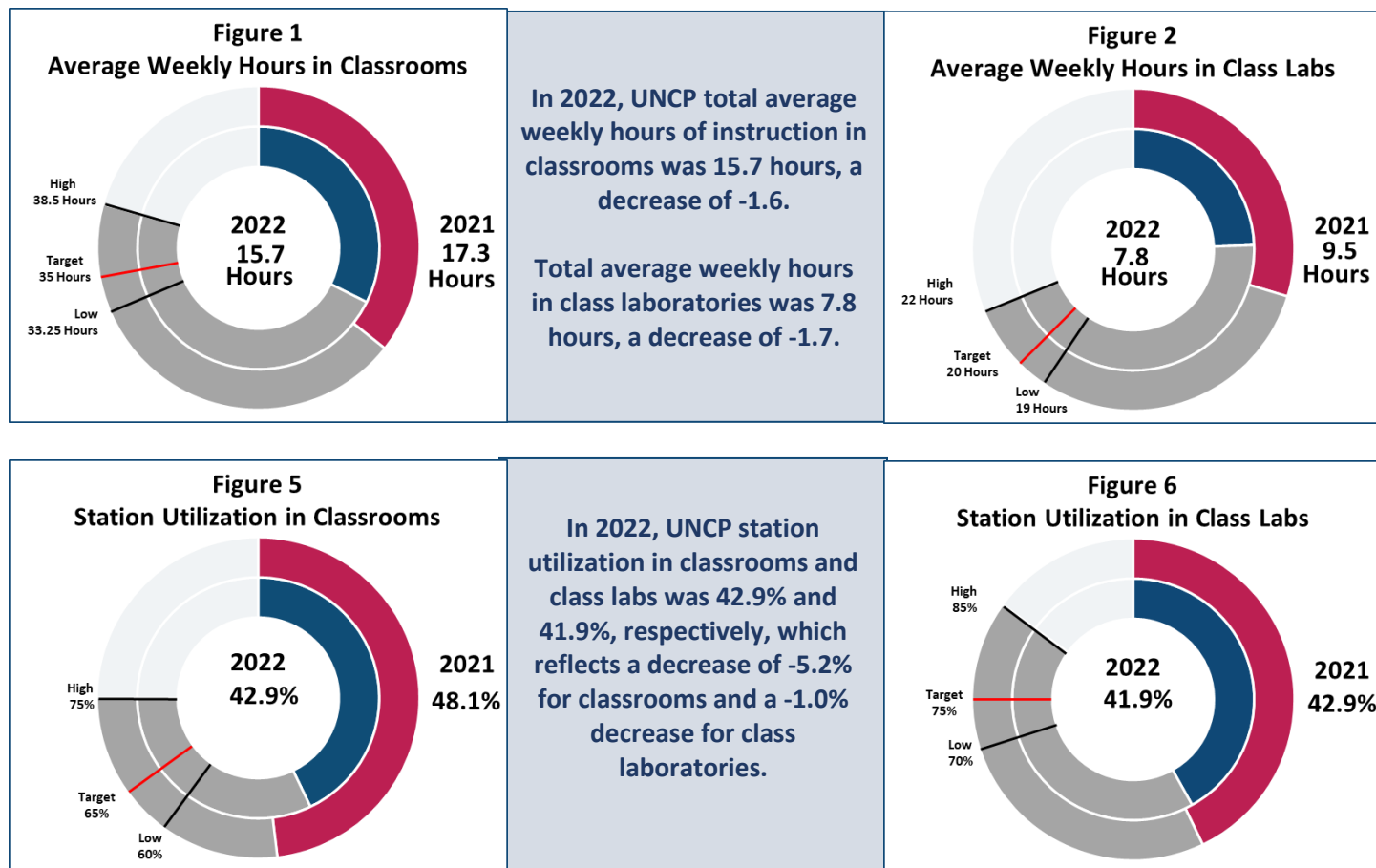
University of North Carolina Greensboro Summary



University of North Carolina Pembroke Summary

Founded in 1887 to educate American Indian teachers, UNC Pembroke is the nation's only four-year public institution founded by American Indians for American Indians. Located in Pembroke in southeastern North Carolina, UNCP is one of the most diverse campuses in the South. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

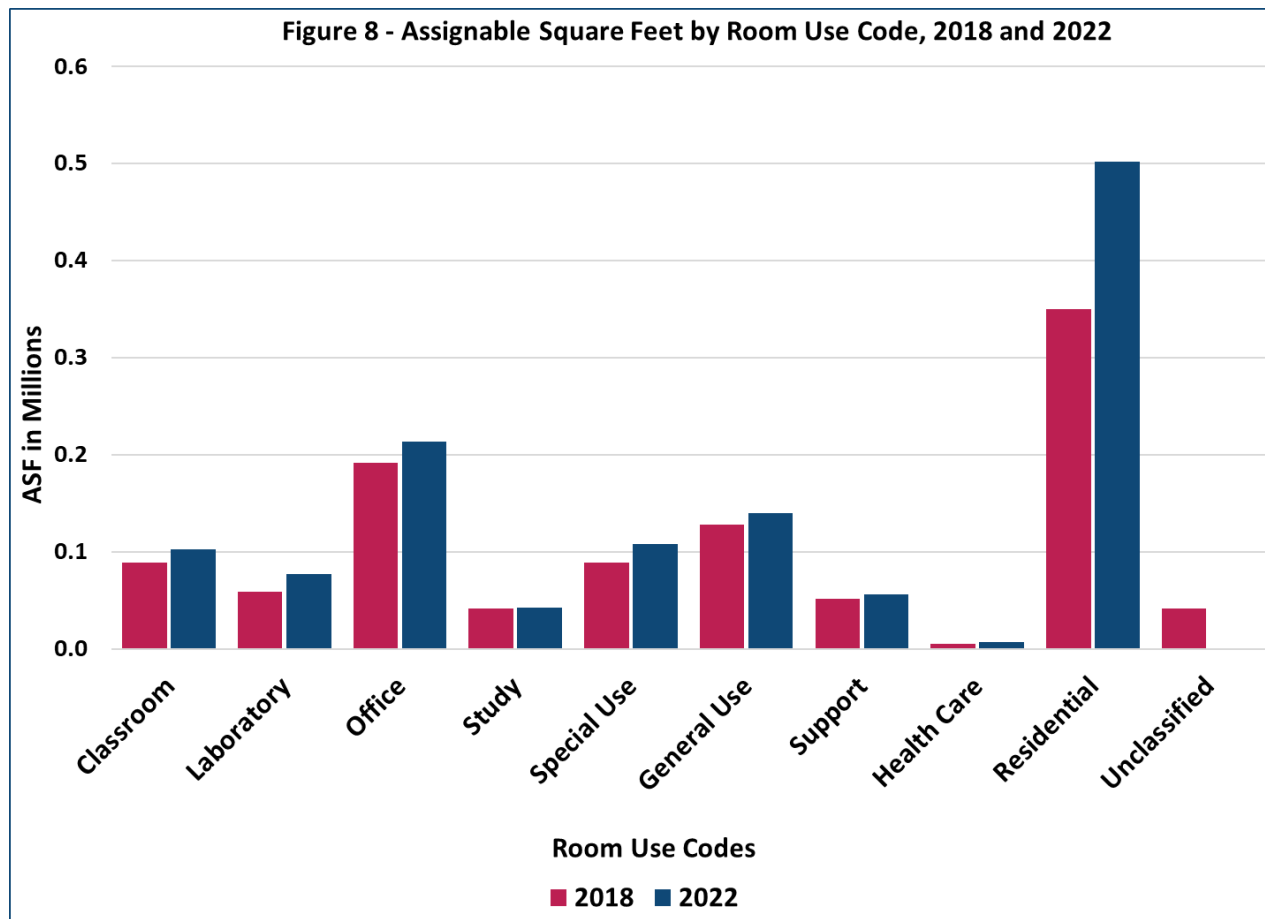
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC Pembroke decreased from 1,249,665 to 1,248,150, or -0.1% from the previous year.

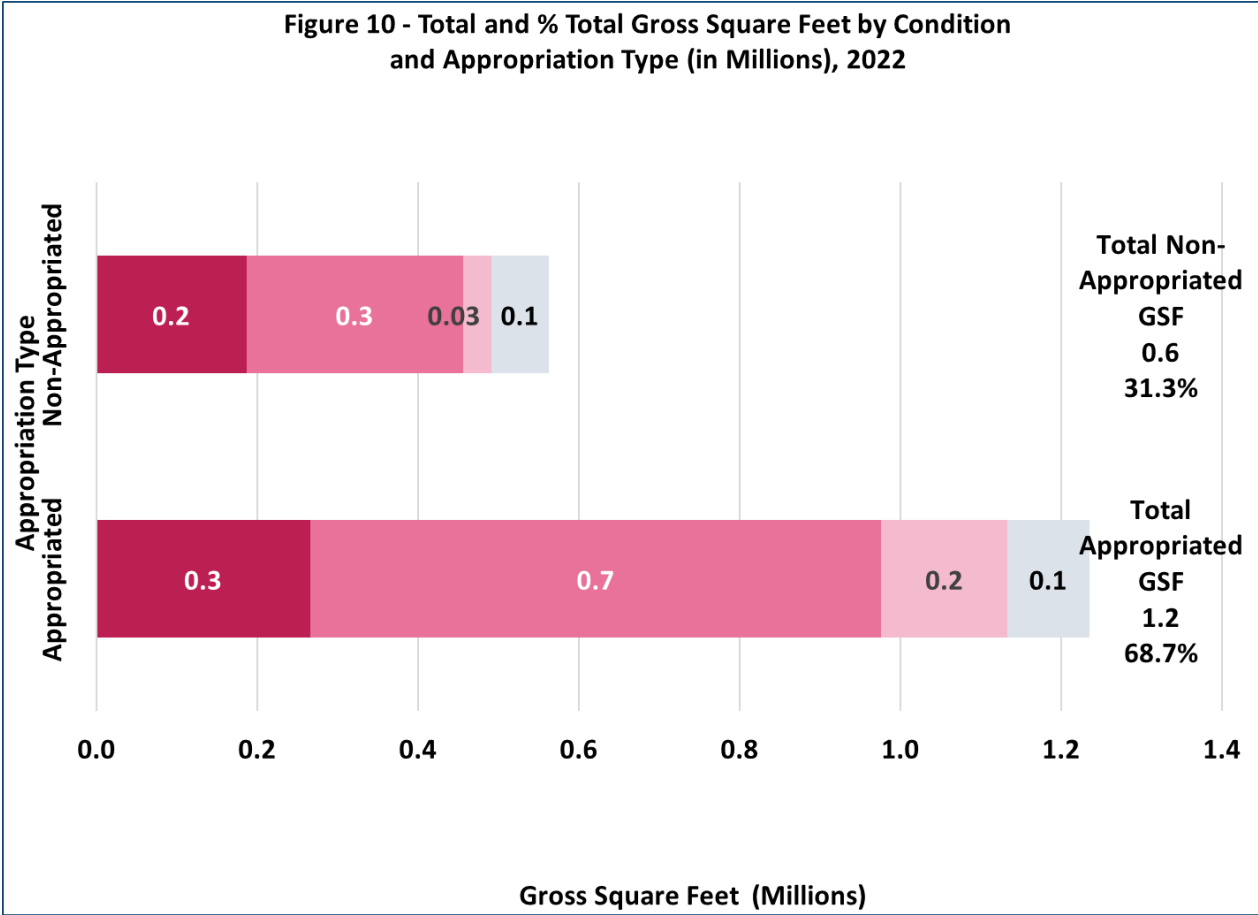
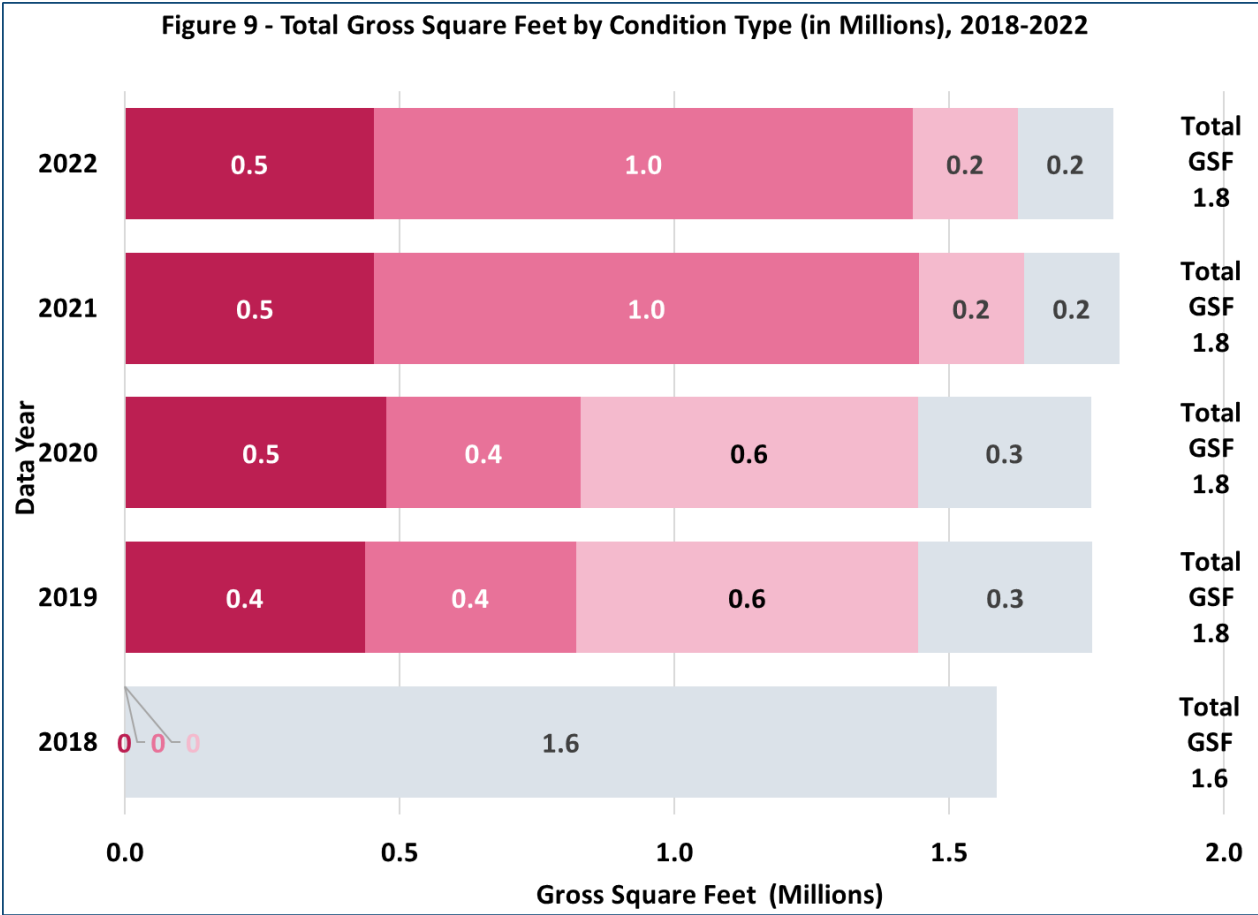
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	311,576	24.96%	27.19%	-2.22%
Research	7,000	0.56%	0.19%	0.37%
Public Service	7,434	0.60%	0.19%	0.41%
Student Service	683,907	54.79%	48.35%	6.45%
Other	238,233	19.09%	24.09%	-5.00%



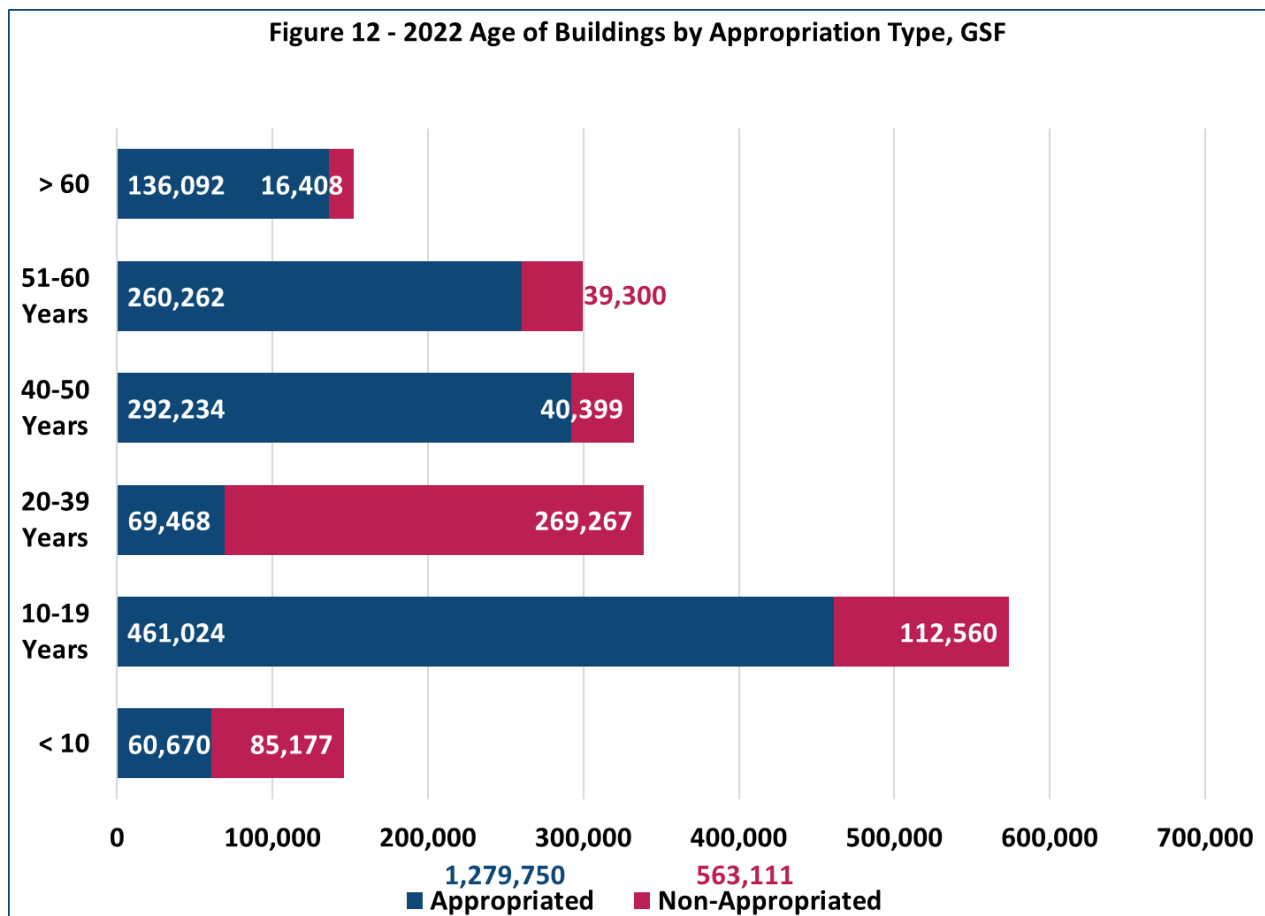
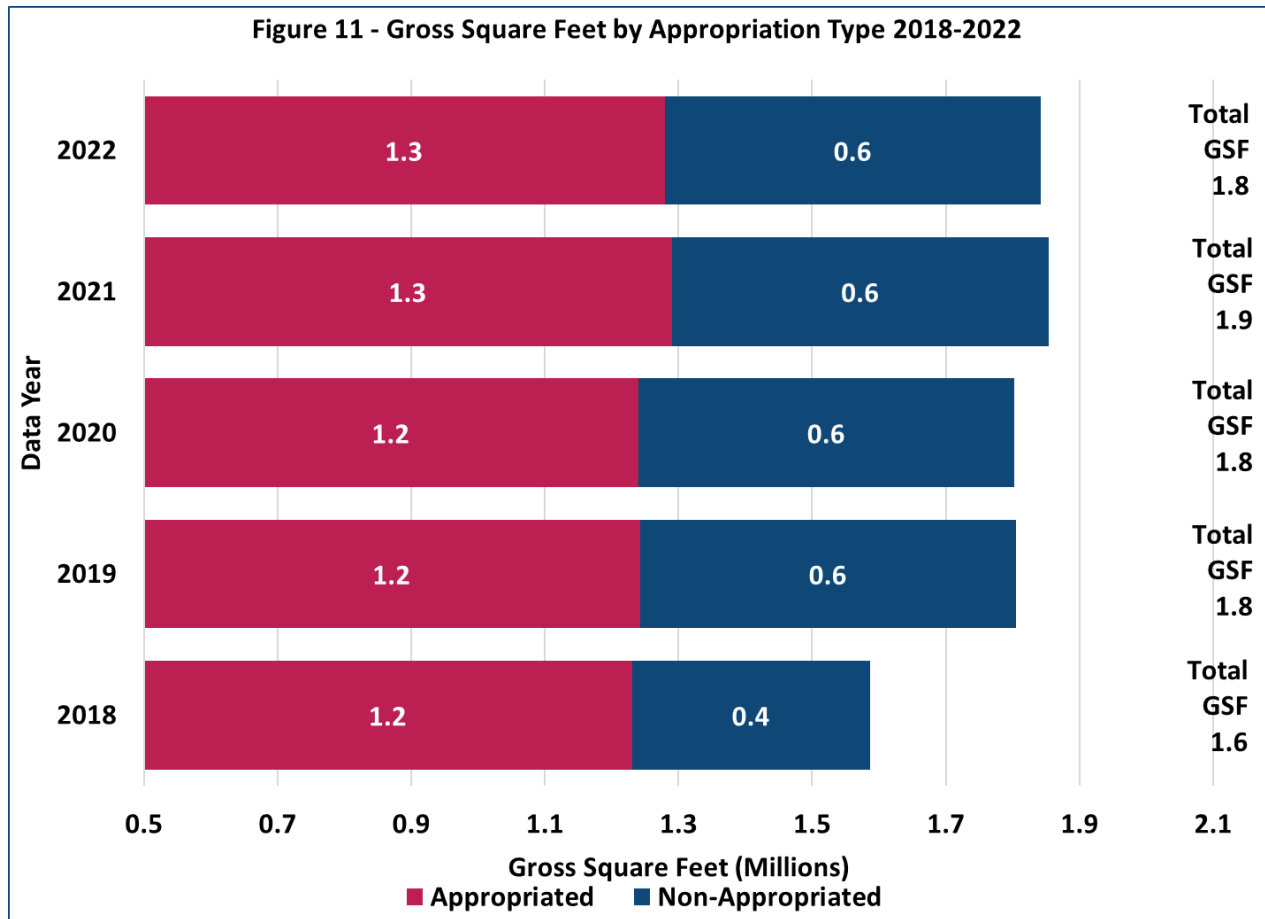
Building Characteristics

University of North Carolina Pembroke has 1,842,861 gross square feet of space comprised of 55 buildings (15 residential, 40 non-residential; 37 appropriated, 18 non-appropriated; 41 owned, 0 leased, 14 under other agreement terms) with 1,248,150 square feet of assignable space, having increased by 19.4% within the last five years. Since 2021, gross square footage has decreased by -11,161 SF, or -0.6%.

UNC Pembroke Building Characteristics	
55 Total Buildings	
37 Appropriated	41 Owned
18 Non-Appropriated	0 Leased
55 Total	14 Other Agreement
	55 Total



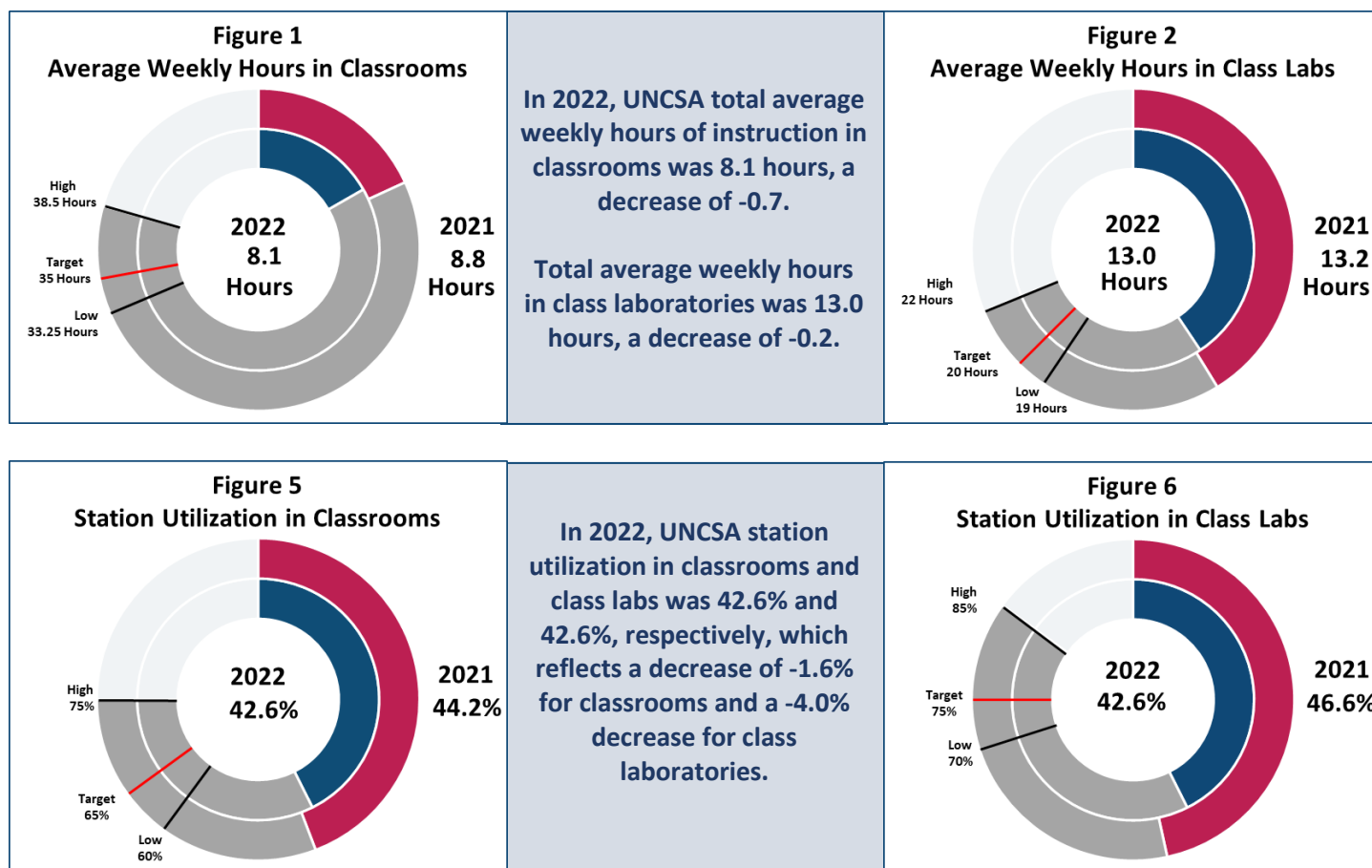
University of North Carolina Pembroke Summary



University of North Carolina School of the Arts Summary

Established by act of the North Carolina General Assembly in 1963, the North Carolina School of the Arts opened in 1965 as America's first public arts conservatory, located in Winston-Salem as a result of a fund-raising campaign to win the school for the city. The UNC School of the Arts is a top-ranked performing arts, visual arts, and filmmaking conservatory preparing high school, undergraduate, and graduate students for professional careers in dance companies, top orchestras, themed entertainment, major motion picture companies, on Broadway, and more. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

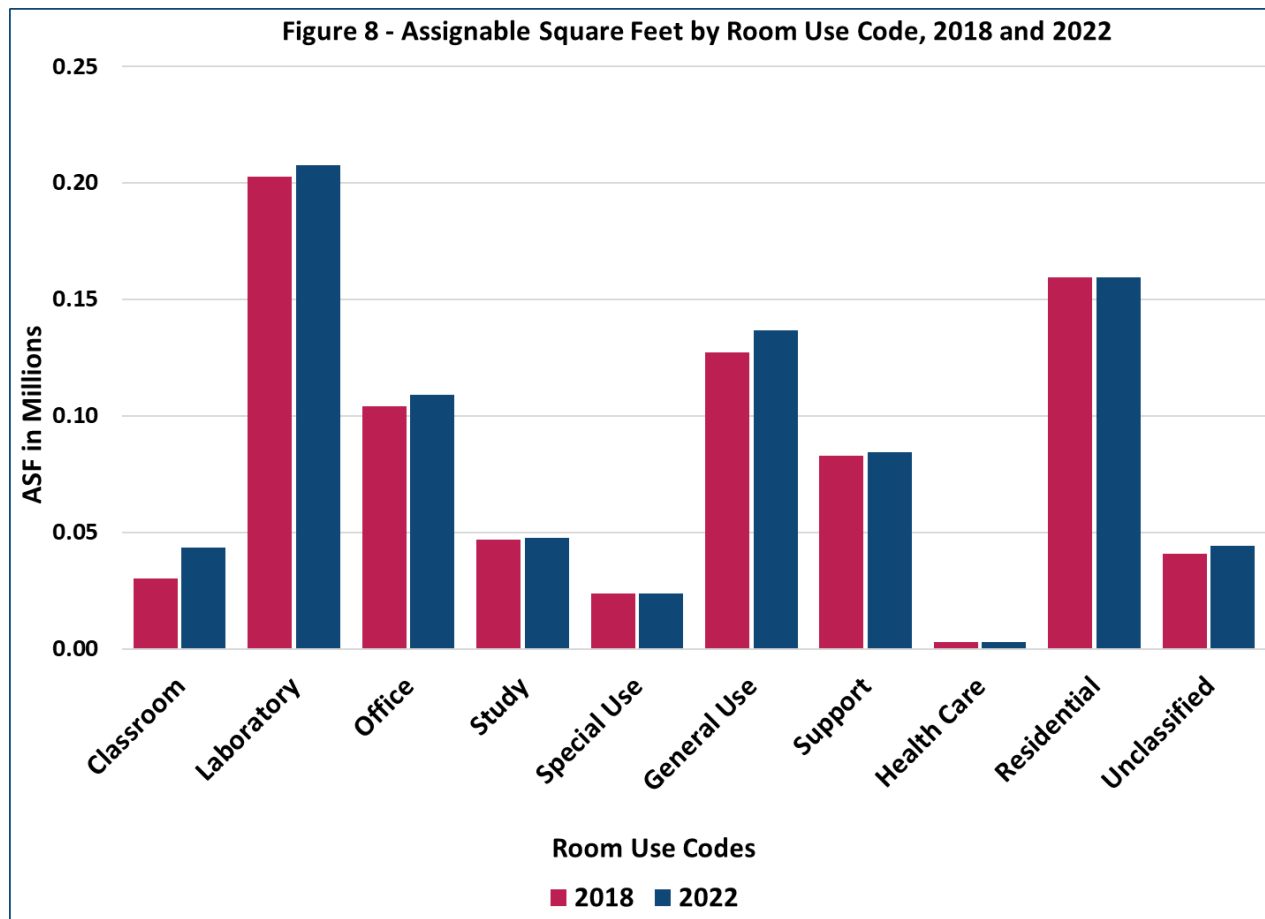
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC School of the Arts increased from 858,195 to 859,402, or 0.1% from the previous year.

Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	345,557	40.21%	39.15%	1.06%
Research	3,785	0.44%	0.00%	0.44%
Public Service	25,042	2.91%	3.05%	-0.14%
Student Service	254,119	29.57%	29.93%	-0.36%
Other	230,899	26.87%	27.56%	-0.70%



Building Characteristics

University of North Carolina School of the Arts has 1,354,782 gross square feet of space comprised of 66 buildings (19 residential, 47 non-residential; 43 appropriated, 23 non-appropriated; 60 owned, 1 leased, 5 under other agreement terms) with 859,402 square feet of assignable space, increasing 4.7% within the last five years. Since 2021, gross square footage has remained unchanged.

UNC School of the Arts Building Characteristics	
66 Total Buildings	
43 Appropriated	60 Owned
23 Non-Appropriated	1 Leased
	5 Other Agreement
<u>66 Total</u>	<u>66 Total</u>

Figure 9 - Total Gross Square Feet by Condition Type (in Millions), 2018-2022

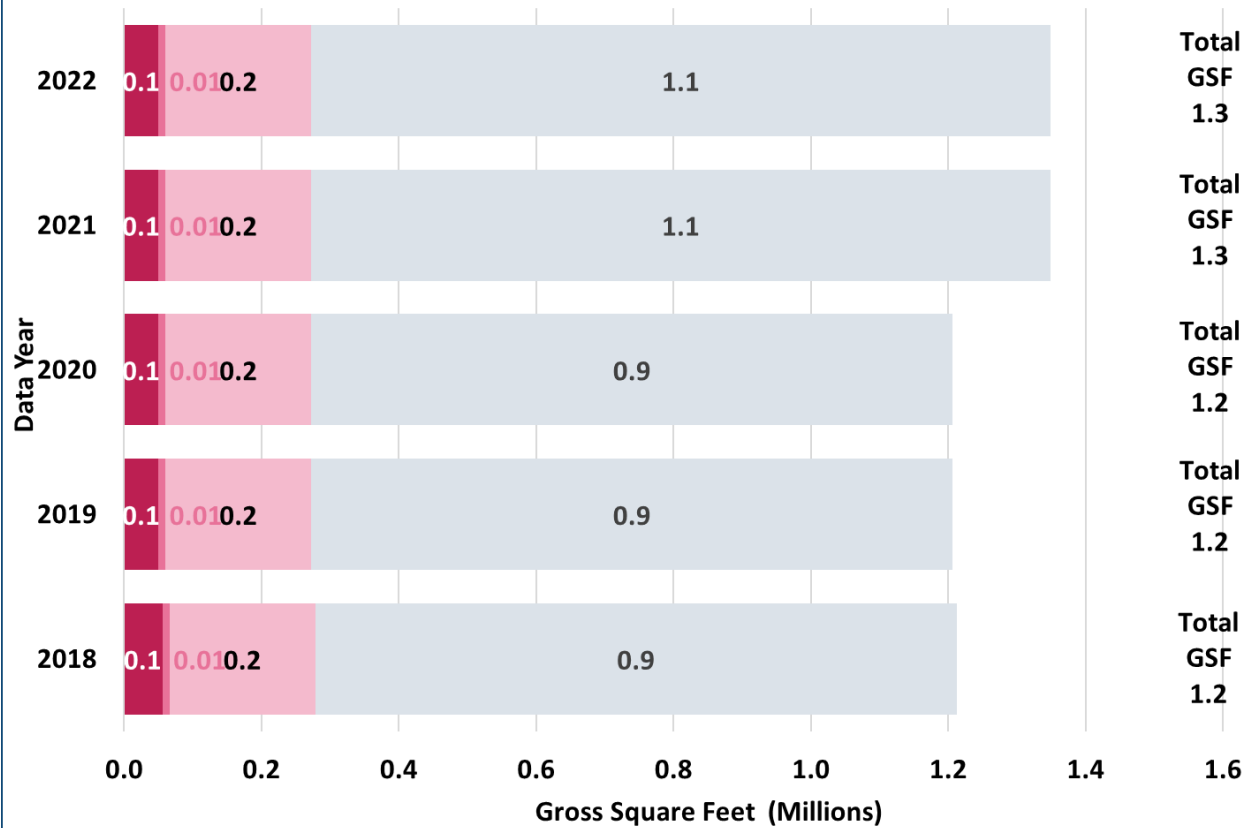
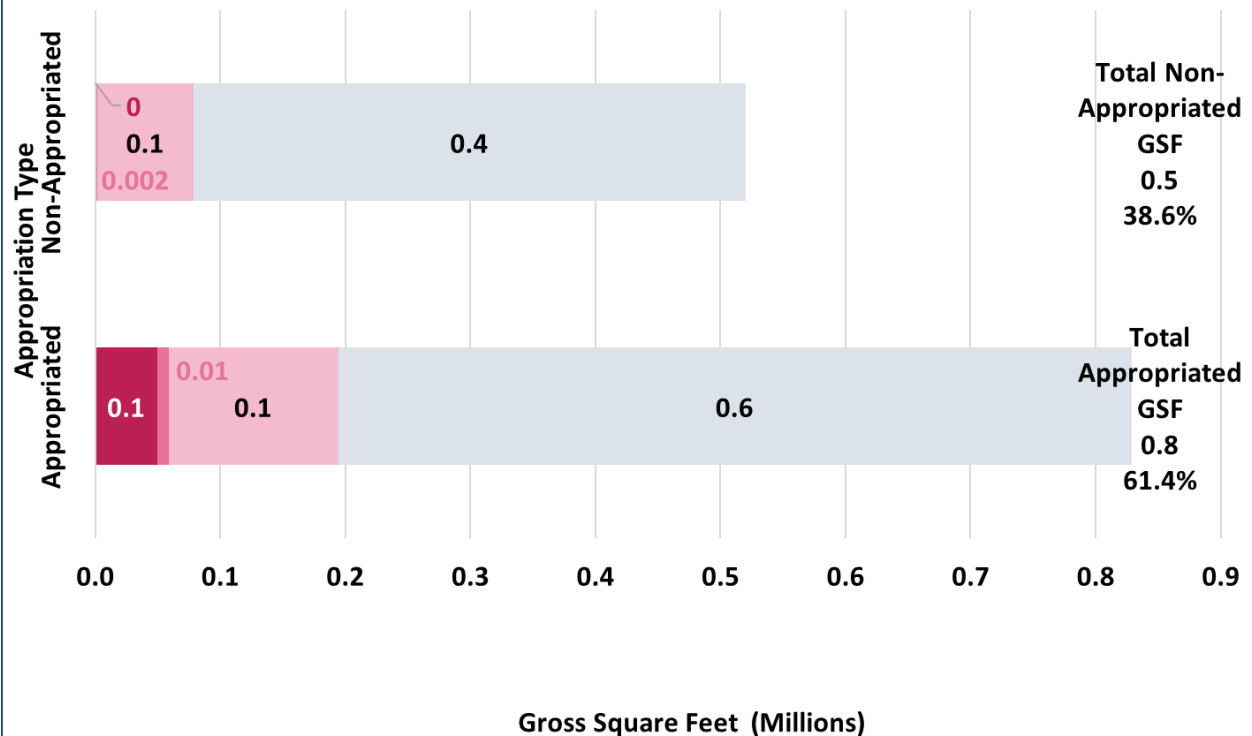
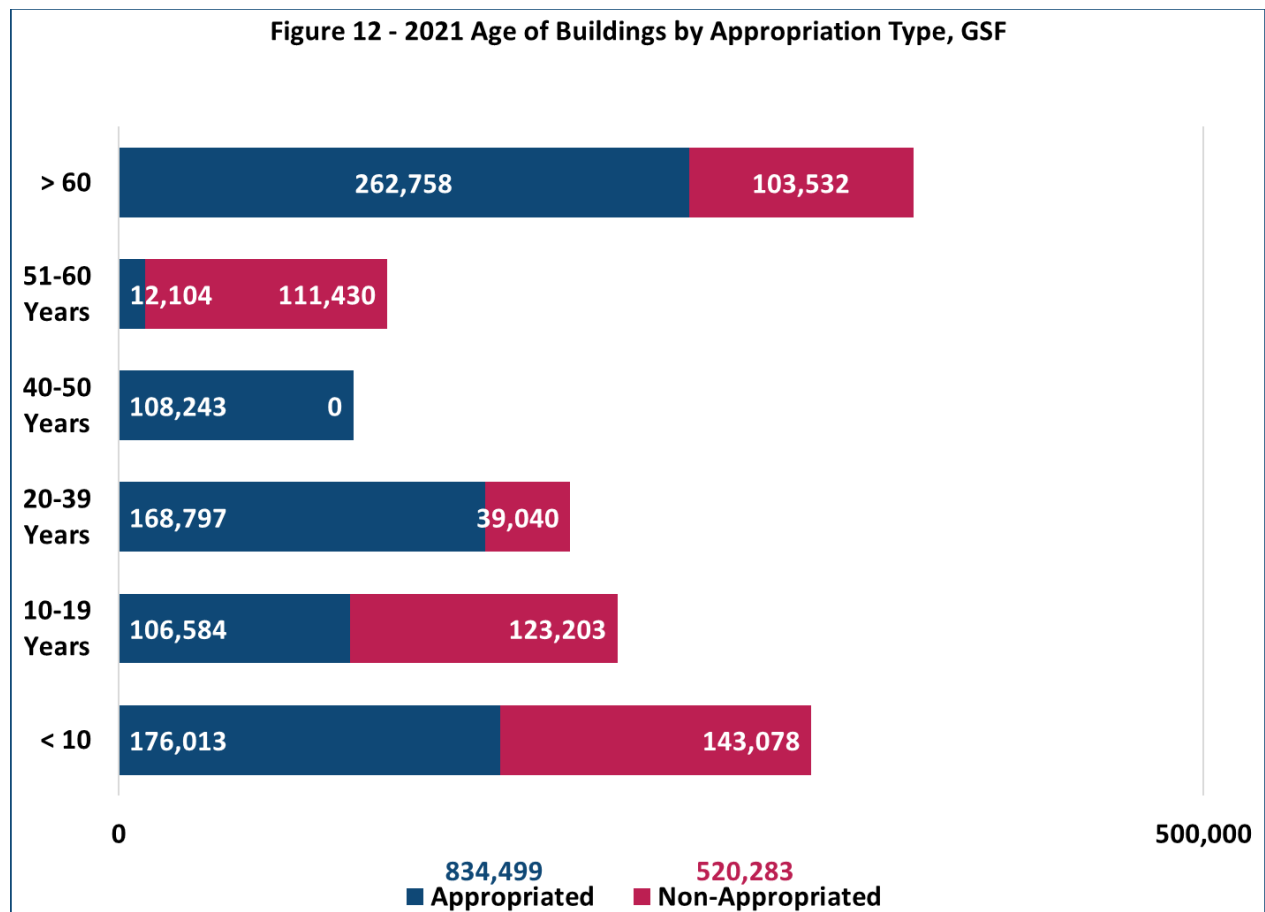
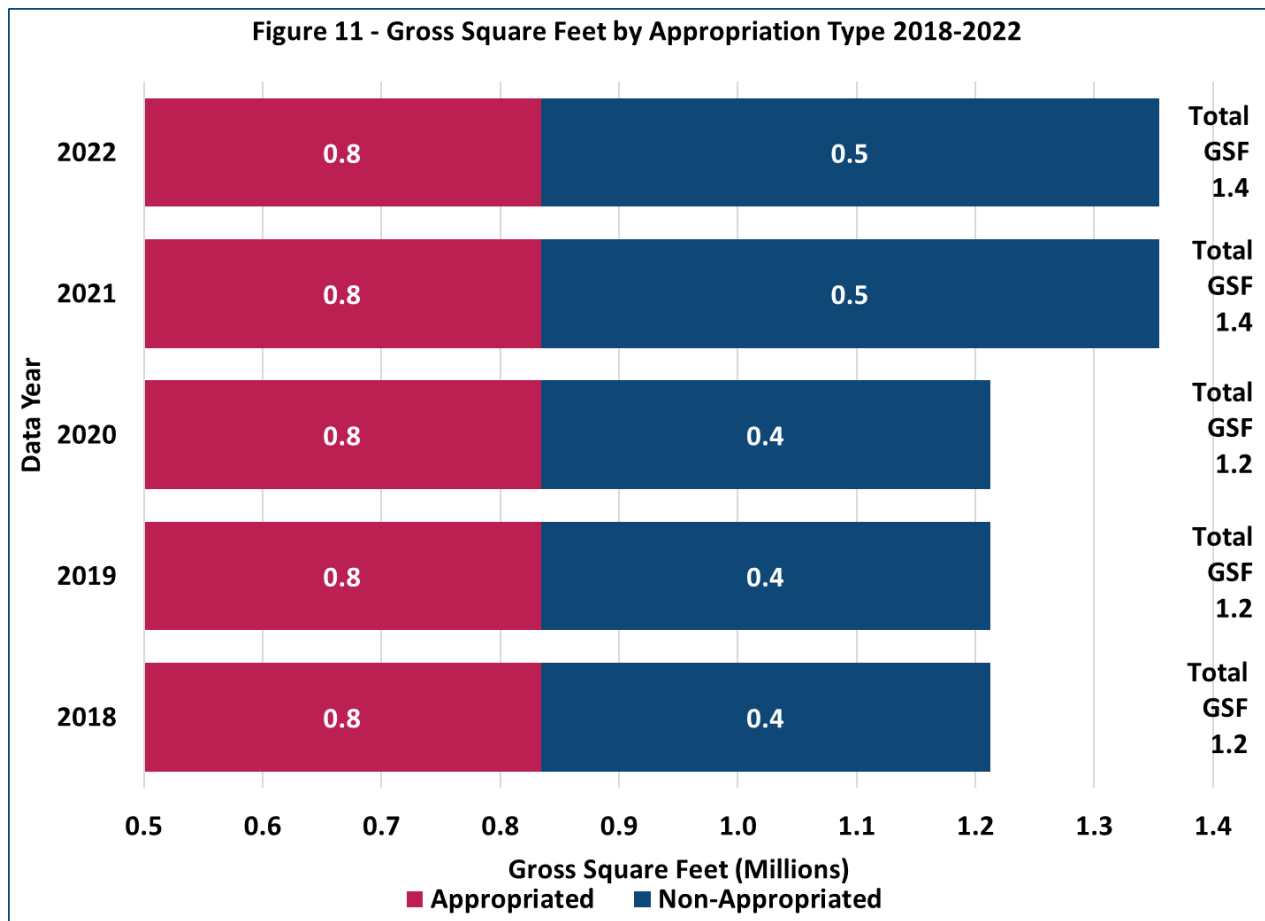


Figure 10 - Total and % Total Gross Square Feet by Condition and Appropriation Type (in Millions), 2022



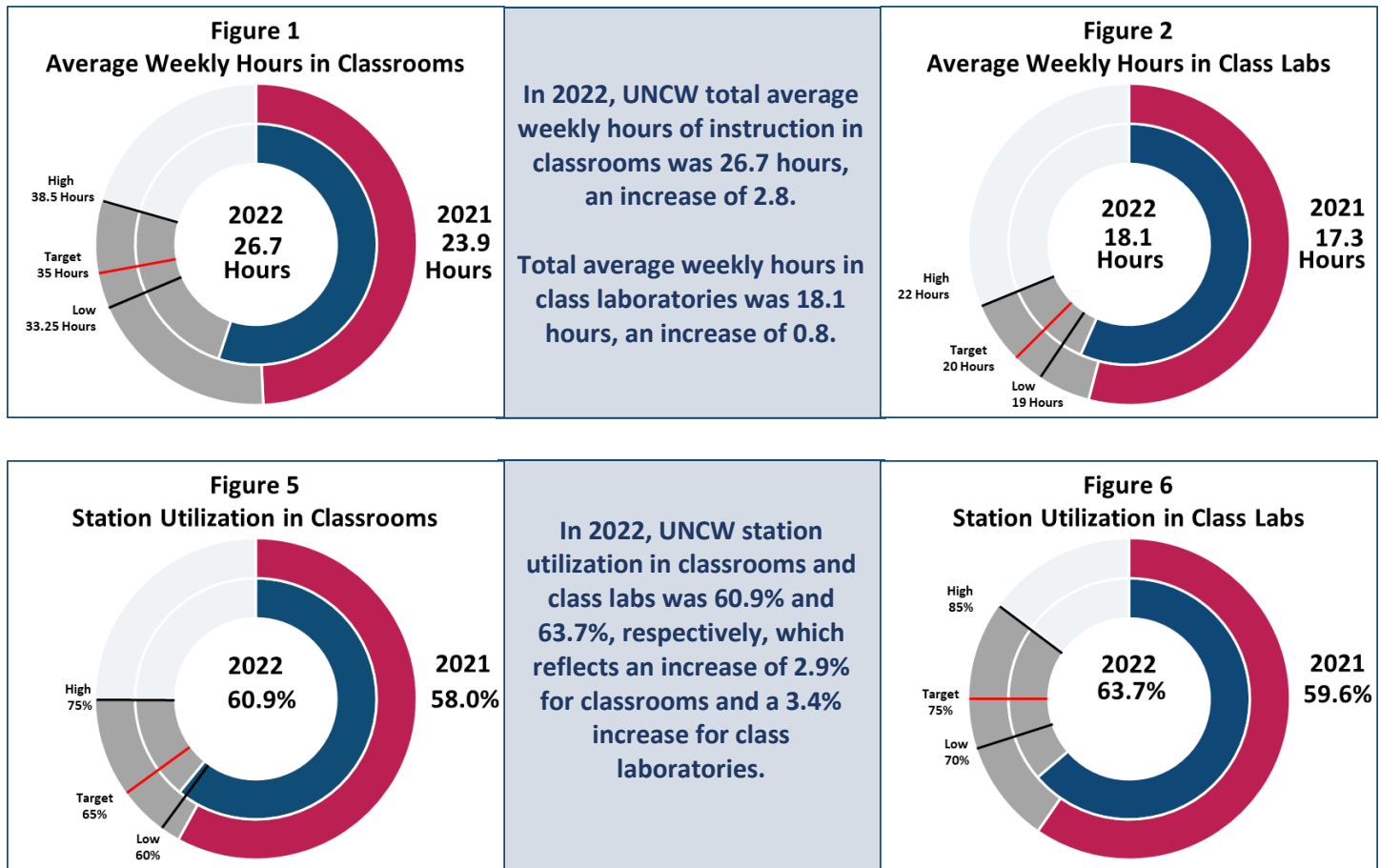
University of North Carolina School of the Arts Summary



University North Carolina Wilmington Summary

Initially opened in Wilmington as a college center to serve World War II veterans in 1946, UNCW became a four-year college by act of the North Carolina General Assembly in 1963. Widely acknowledged for its world-class faculty and staff and continuously recognized at a national level for scholarly excellence and affordability, UNCW offers a powerful academic experience that stimulates creative inquiry and critical thinking, grounded in a community that values diversity, inclusion, and global perspectives. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

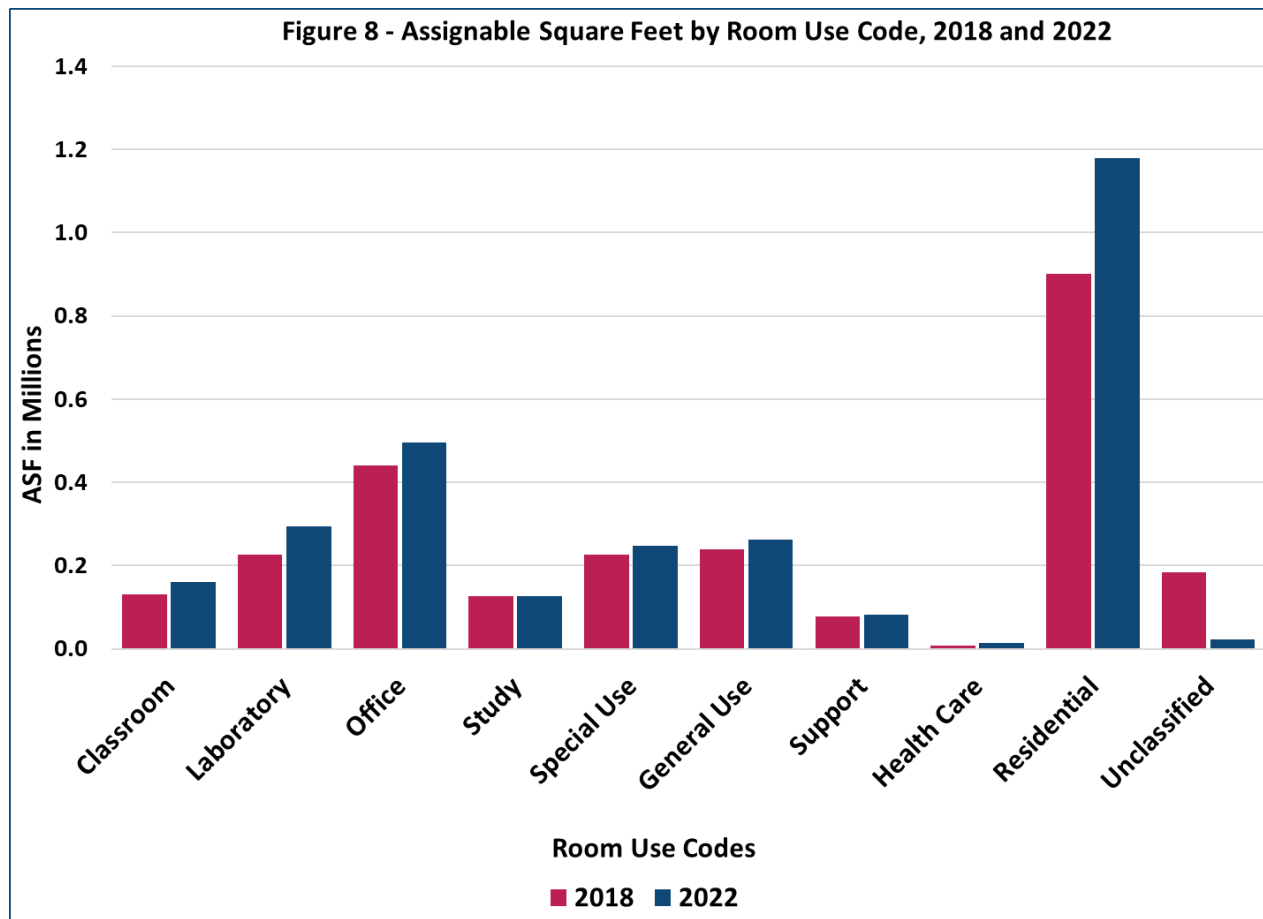
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at UNC Wilmington increased from 2,883,772 to 2,887,775, or 0.1% from the previous year.

Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	565,133	19.57%	18.05%	1.52%
Research	123,677	4.28%	4.84%	-0.55%
Public Service	34,410	1.19%	0.80%	0.39%
Student Service	1,710,024	59.22%	52.79%	6.43%
Other	454,531	15.74%	23.52%	-7.78%



Building Characteristics

University North Carolina Wilmington has 5,011,760 gross square feet of space comprised of 169 buildings (42 residential, 127 non-residential; 73 appropriated, 96 non-appropriated; 132 owned, 6 leased, 31 under other agreement terms) with 2,887,775 square feet of assignable space, having increased by 12.8% within the last five years. Since 2021, gross square footage has increased by 13,126 SF, or 0.3%.

UNC Wilmington Building Characteristics	
169 Total Buildings	
73 Appropriated	132 Owned
96 Non-Appropriated	6 Leased
	31 Other Agreement
169 Total	169 Total

Figure 9 - Total Gross Square Feet by Condition Type (in Millions), 2018-2022

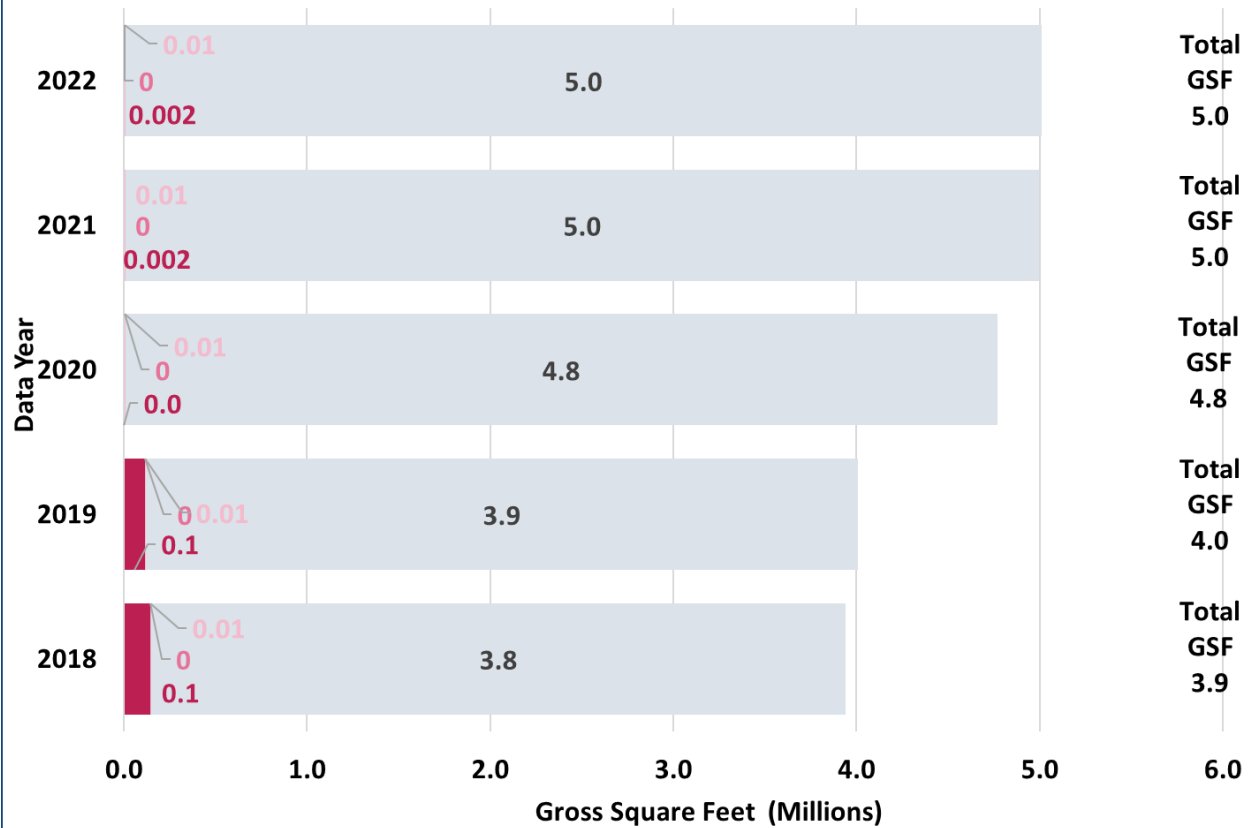
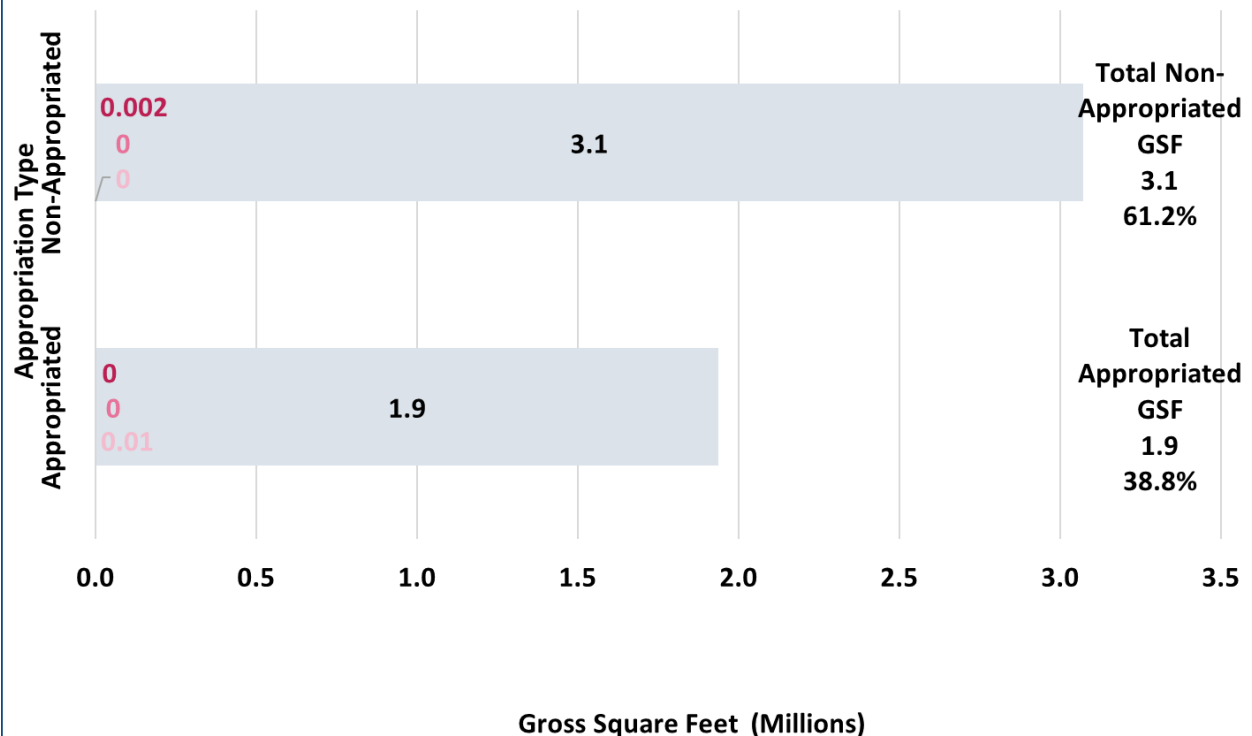
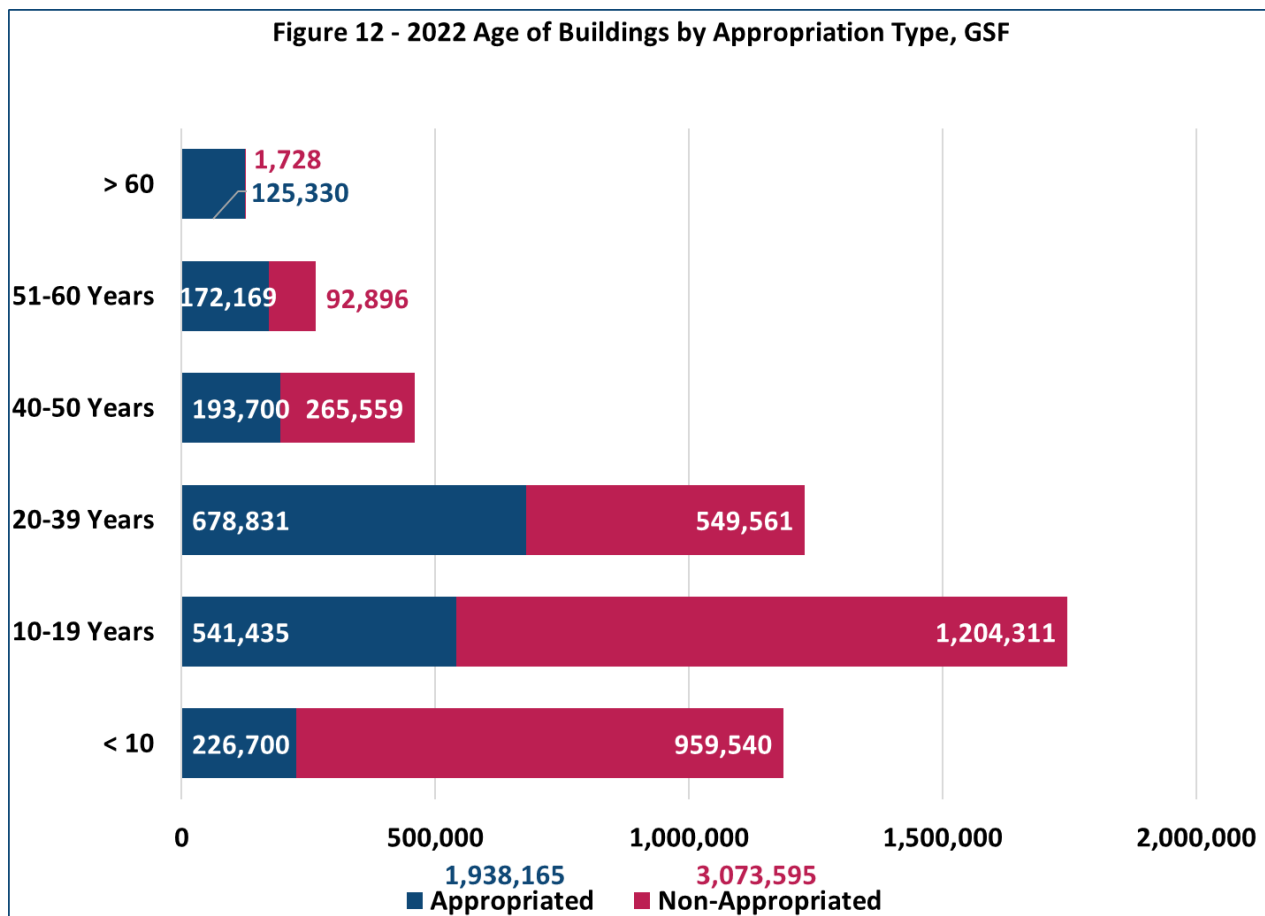
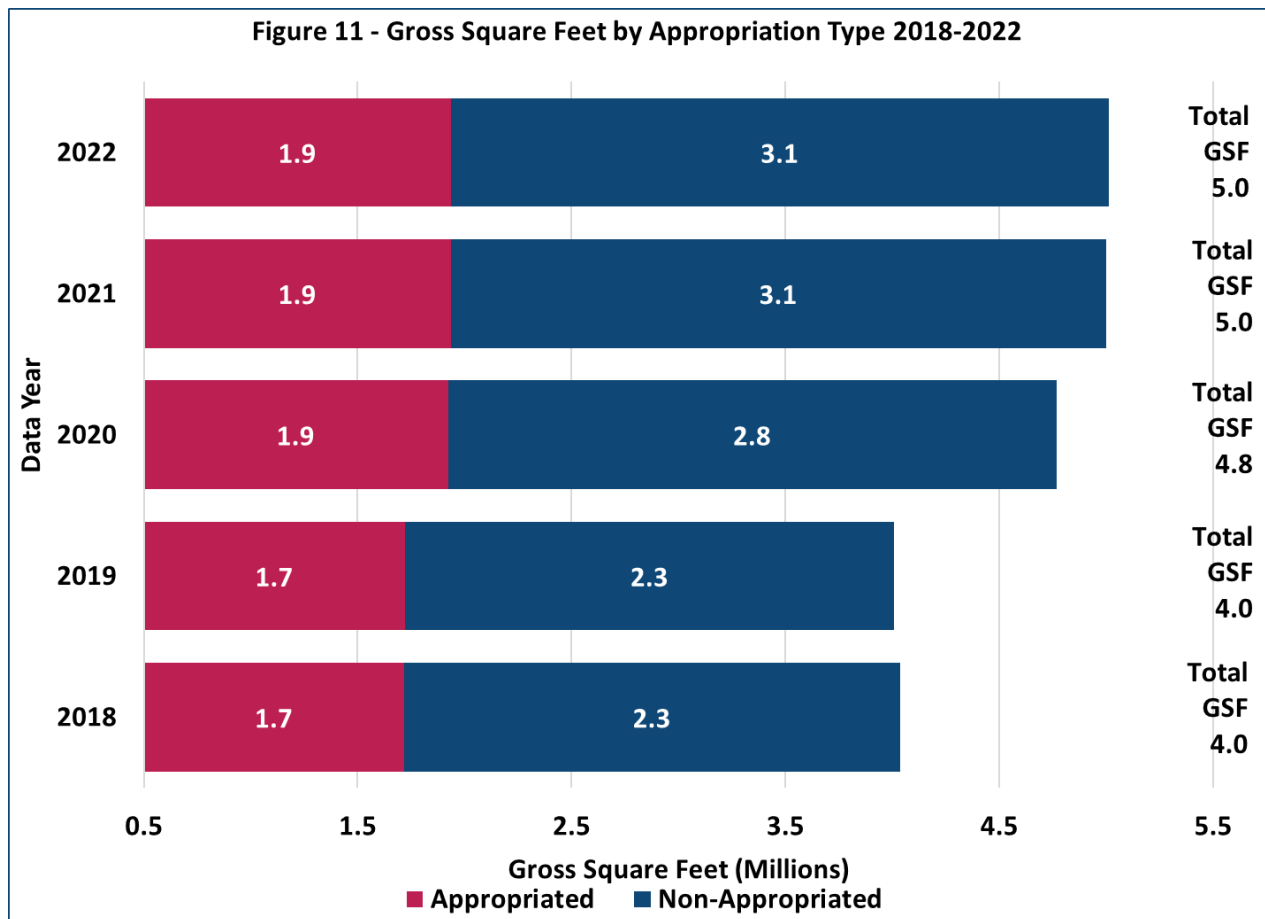


Figure 10 - Total and % Total Gross Square Feet by Condition and Appropriation Type (in Millions), 2022



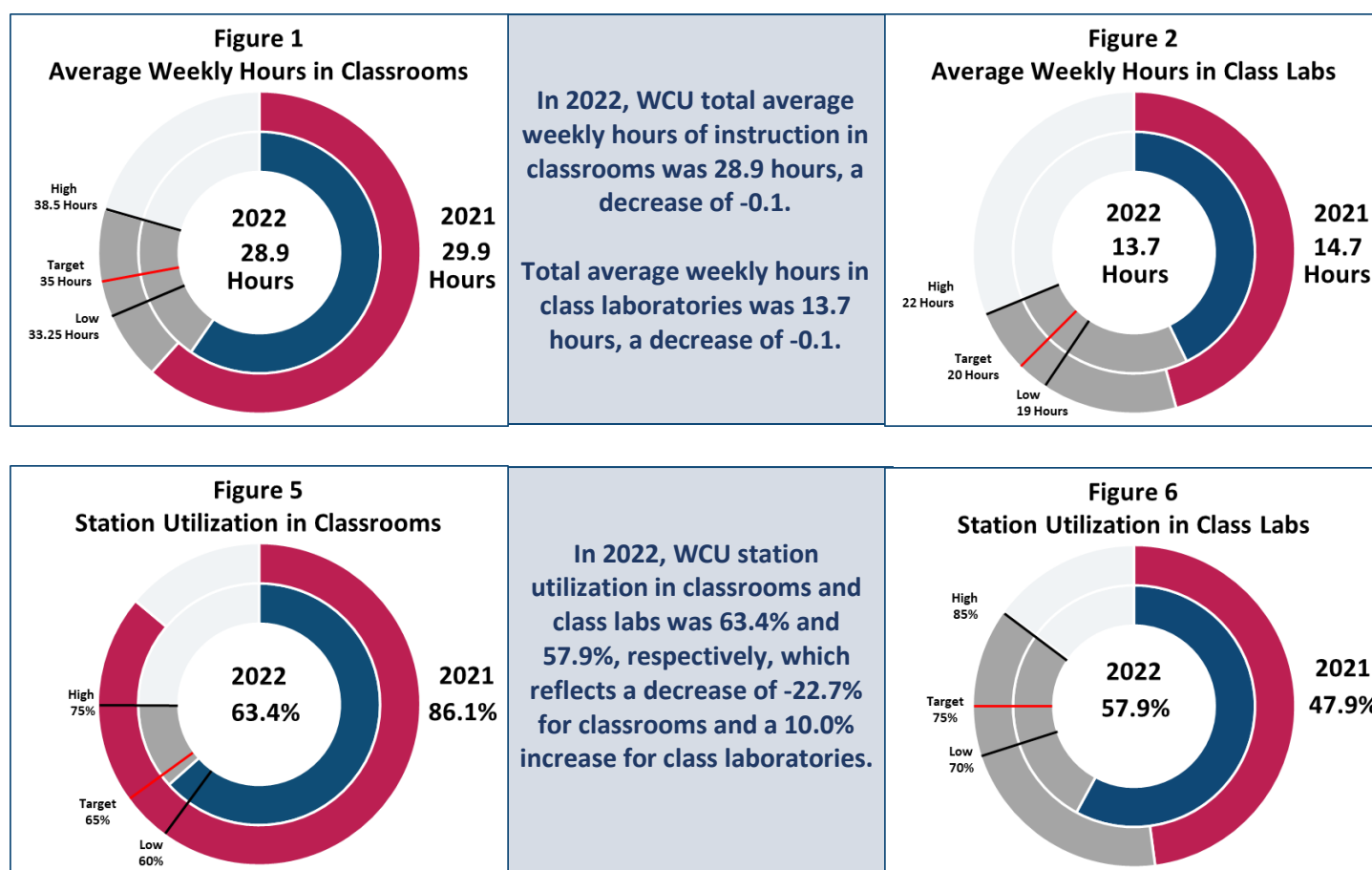
University North Carolina Wilmington Summary



Western Carolina University Summary

As the UNC System's westernmost campus, WCU is located just 50 miles west of Asheville in Cullowhee, North Carolina. Originally established as "Cullowhee Academy" in 1889, the university moved to a four-year degree curriculum in 1929 and today is consistently ranked as one of the Top 10 public regional Institutions in the South. The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

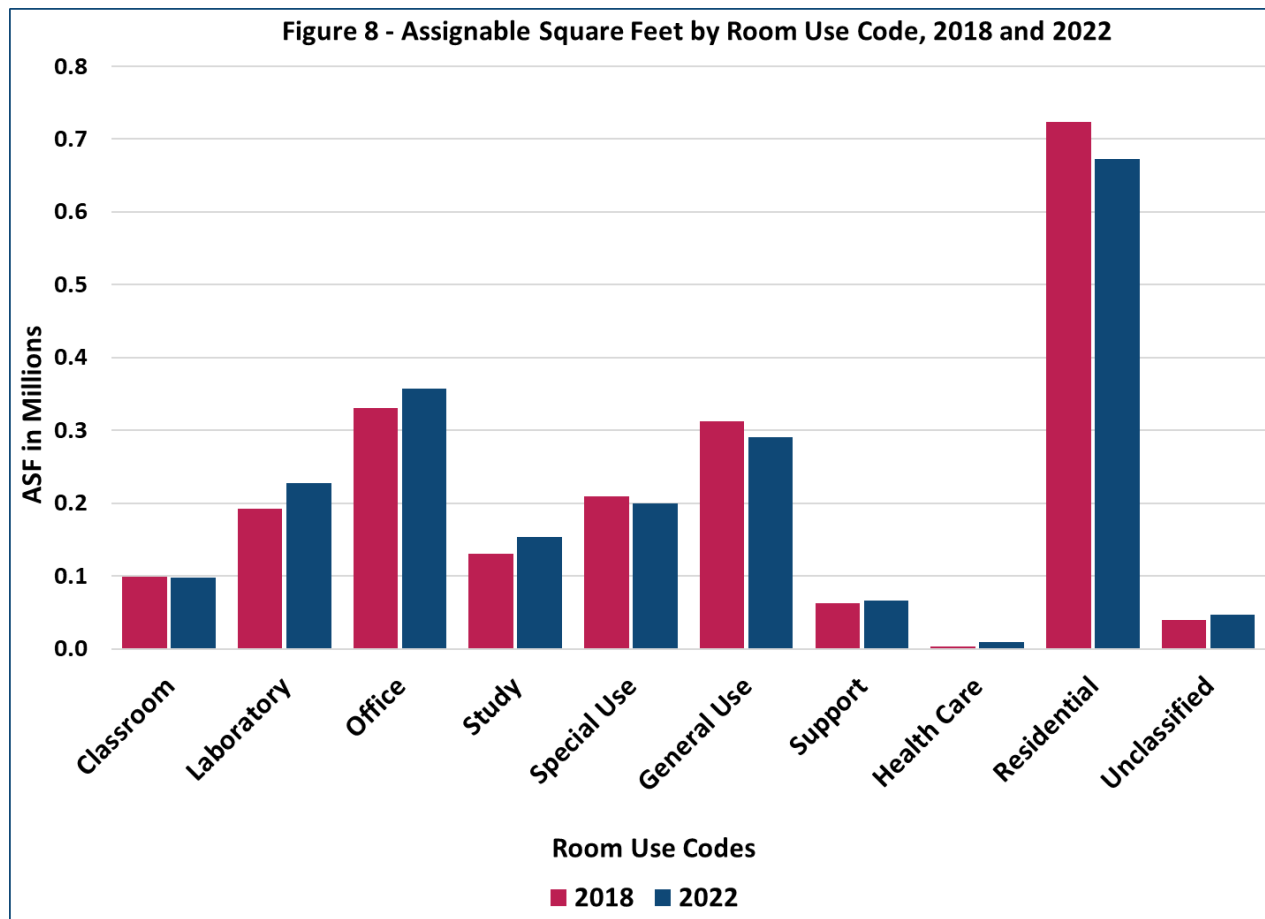
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at WCU increased from 2,103,895 to 2,121,858, or 0.9% from the previous year.

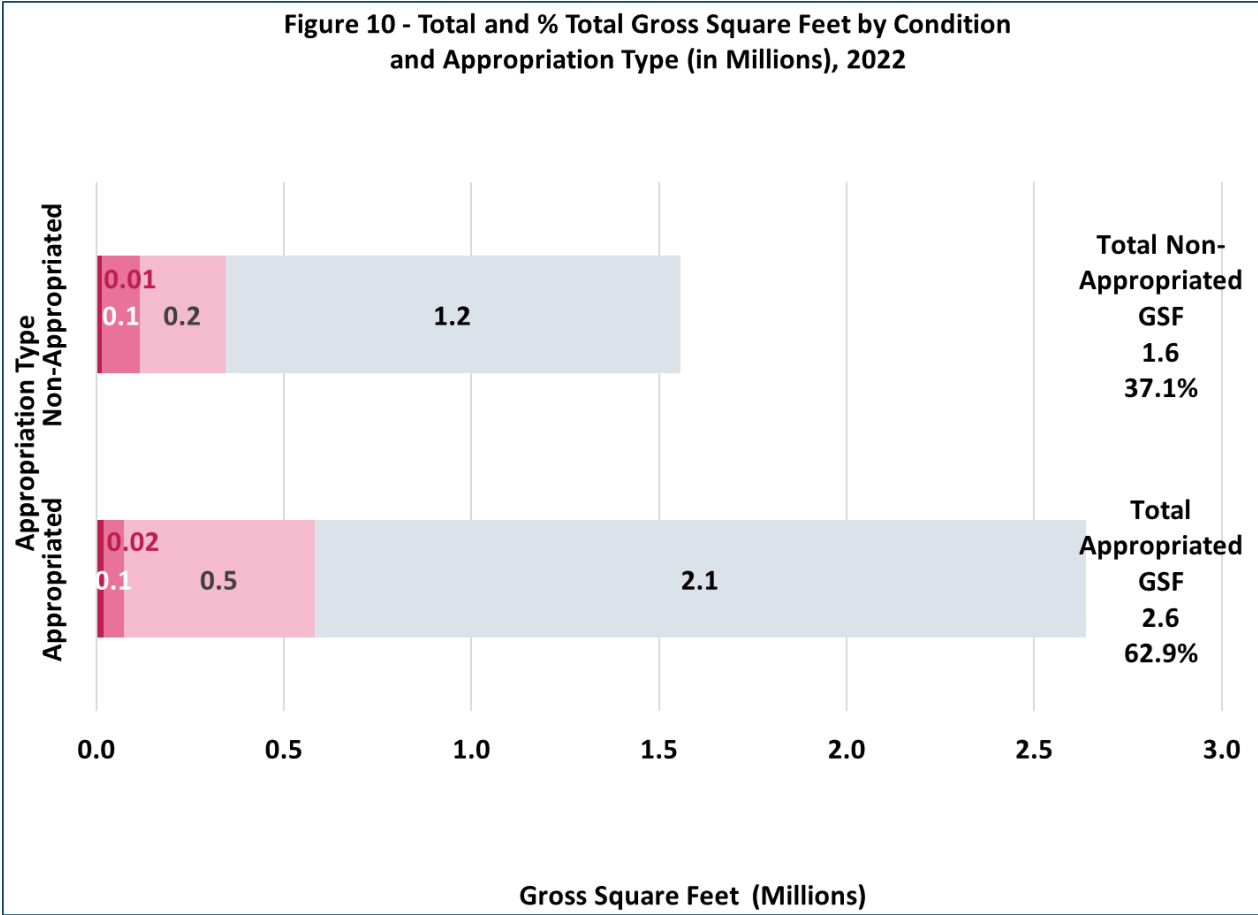
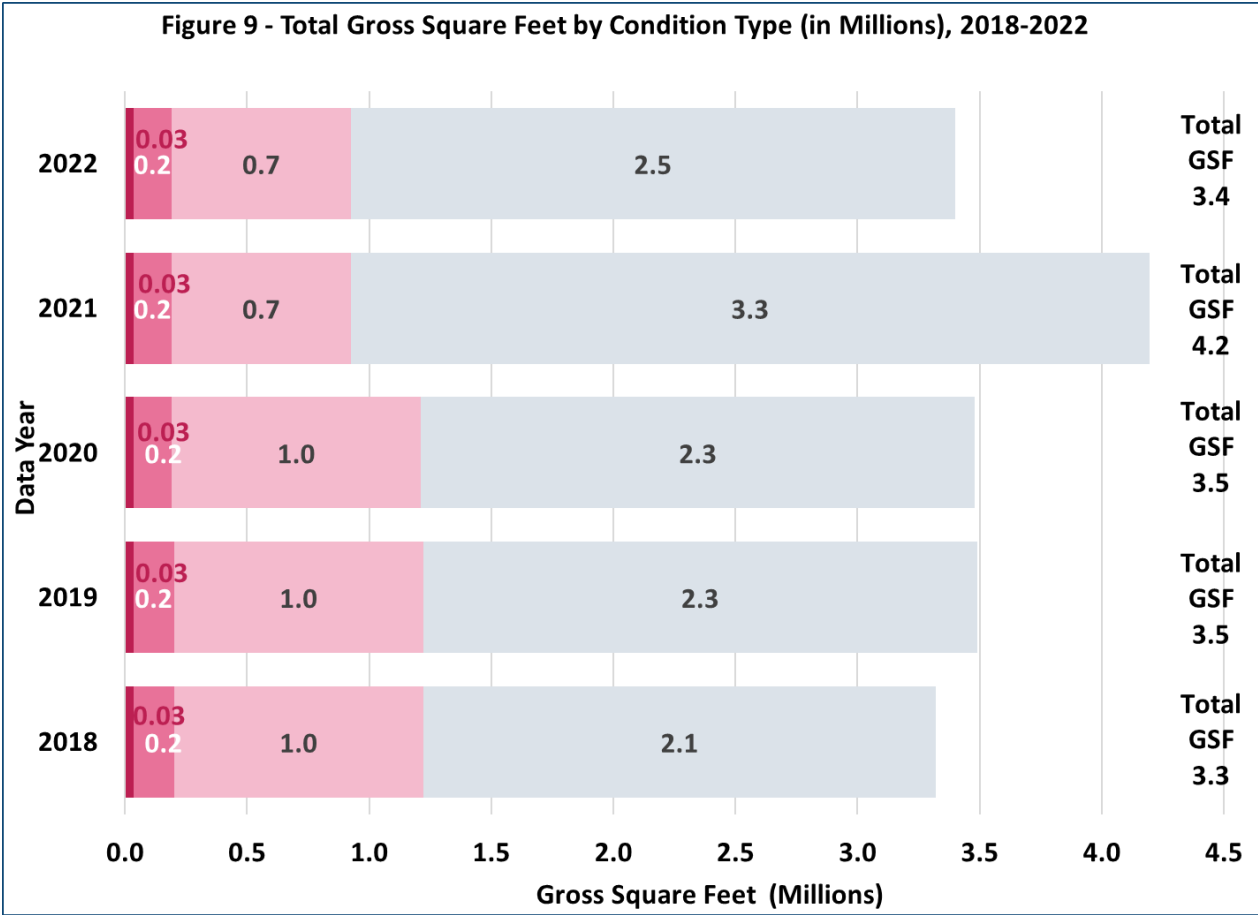
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	548,721	25.86%	22.75%	3.11%
Research	25,938	1.22%	1.40%	-0.18%
Public Service	8,546	0.40%	0.23%	0.17%
Student Service	992,551	46.78%	52.86%	-6.08%
Other	546,102	25.74%	22.76%	2.98%



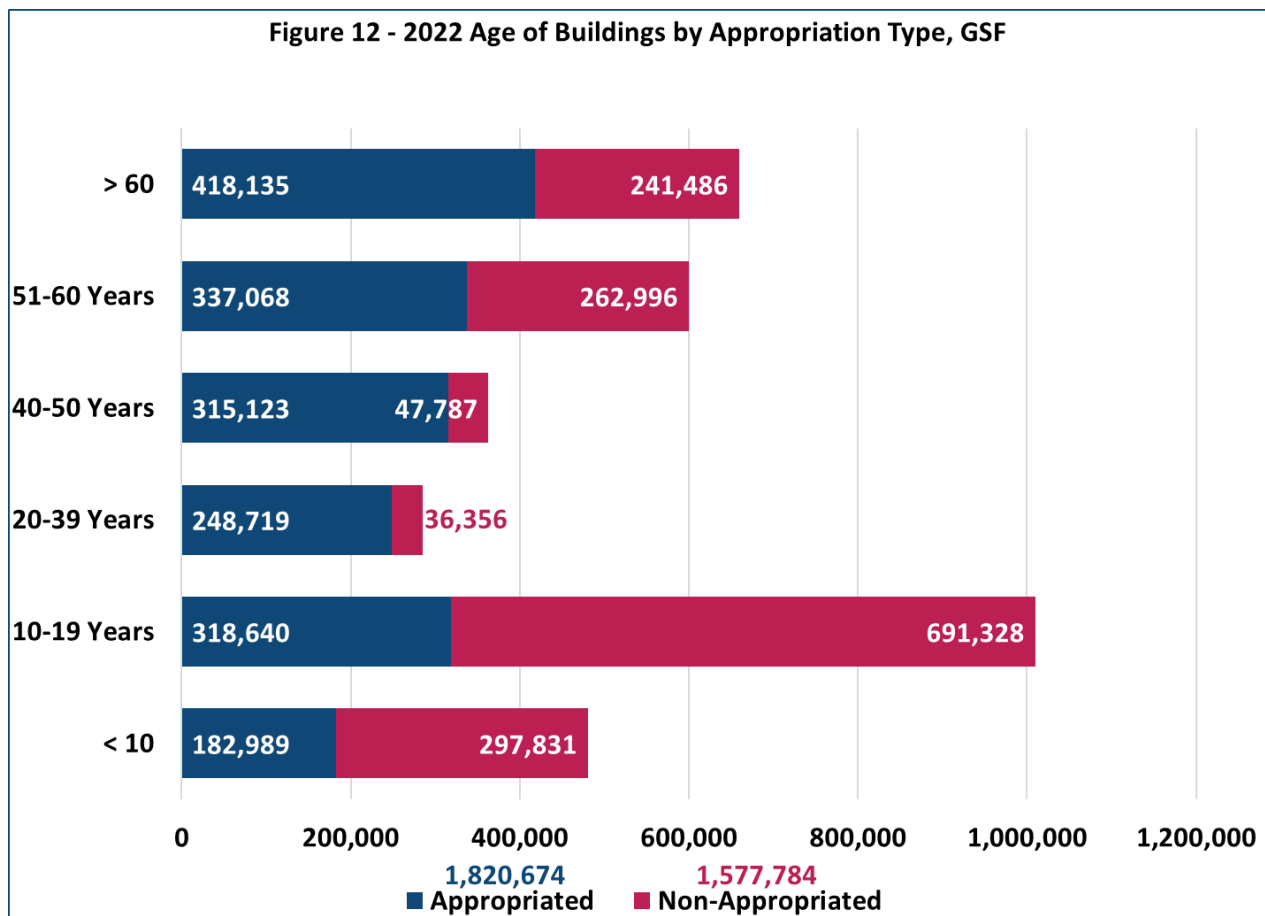
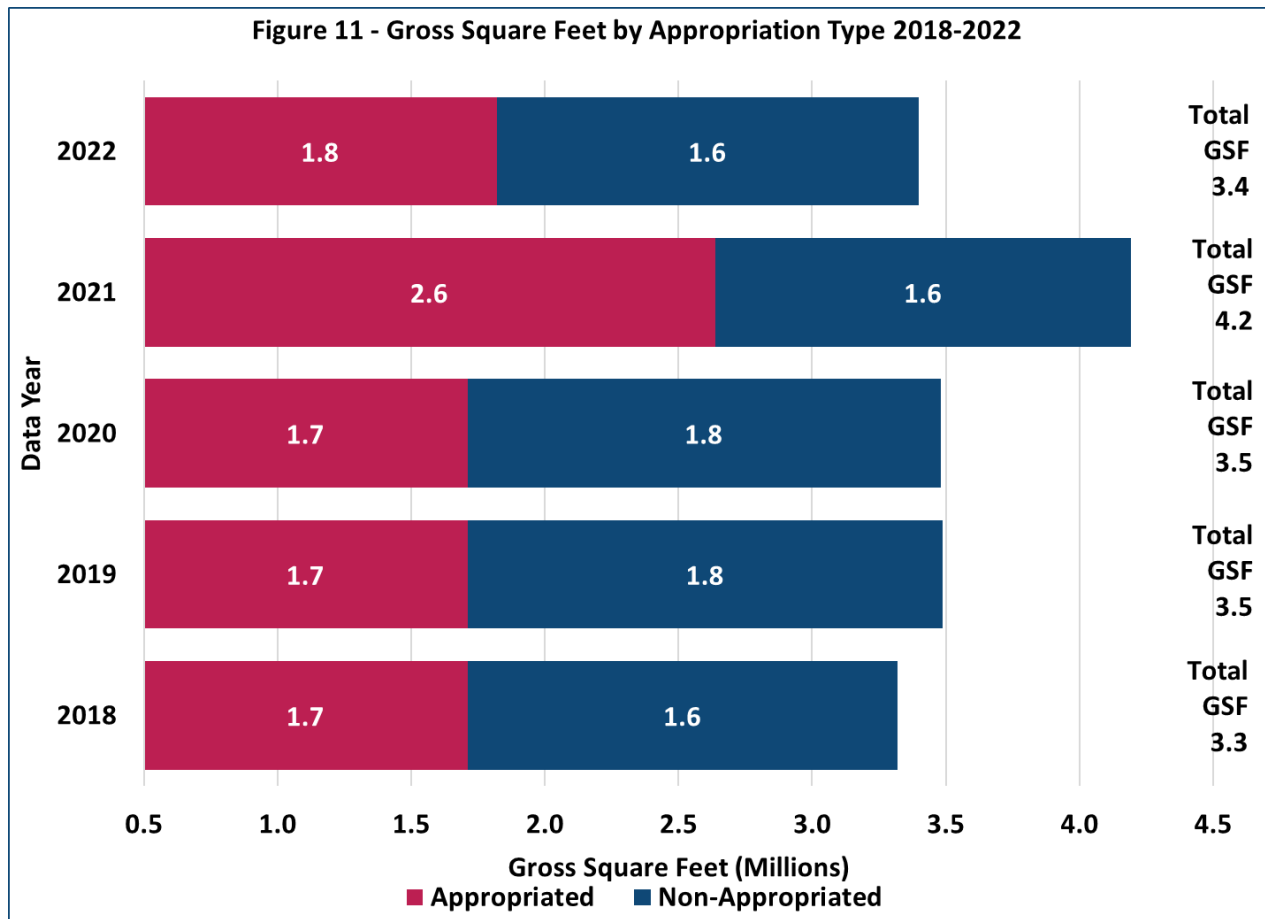
Building Characteristics

Western Carolina University has 3,398,458 gross square feet of space comprised of 109 buildings (37 residential, 72 non-residential; 55 appropriated, 54 non-appropriated; 84 owned, 4 leased, 21 under other agreement terms) with 2,121,858 square feet of assignable space, having increased by 0.9% within the last five years. Since 2021, gross square footage has decreased -795,728 SF, or -19.0%.

Western Carolina University Building Characteristics	
109 Total Buildings	
55 Appropriated	84 Owned
54 Non-Appropriated	4 Leased
	21 Other Agreement
<u>109 Total</u>	<u>109 Total</u>



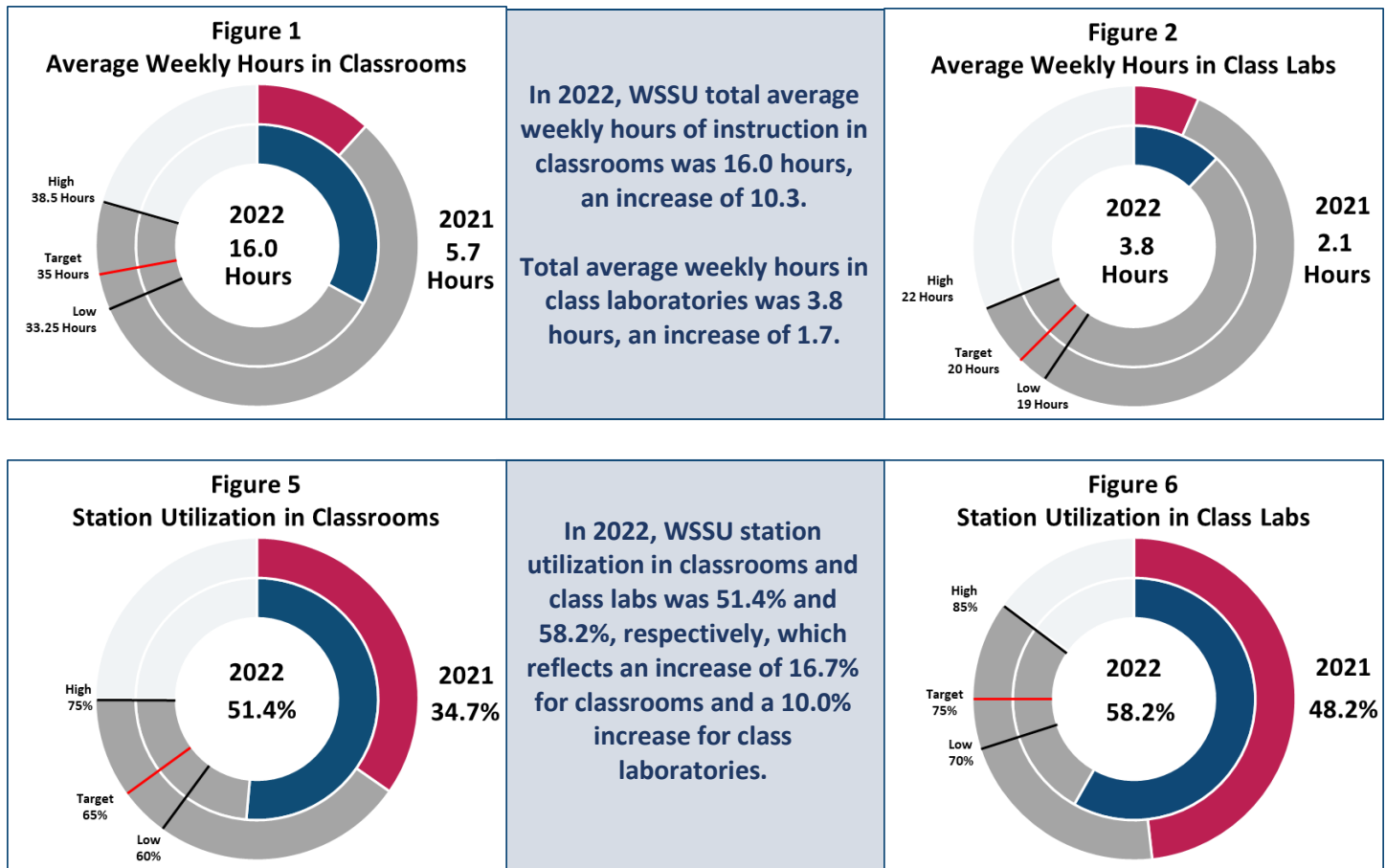
Western Carolina University Summary



Winston-Salem State University Summary

Founded in 1892, WSSU enjoys a distinguished reputation as a historically black constituent institution of the UNC System that offers a rich curriculum rooted in a high-quality, liberal education. The university fosters the creative thinking, analytical problem-solving, and depth of character that graduates need to transform themselves and their world, embodying WSSU's motto, "Enter to Learn. Depart to Serve." The figures below focus on the utilization of instructional space, room space characteristics and building characteristics at the university.

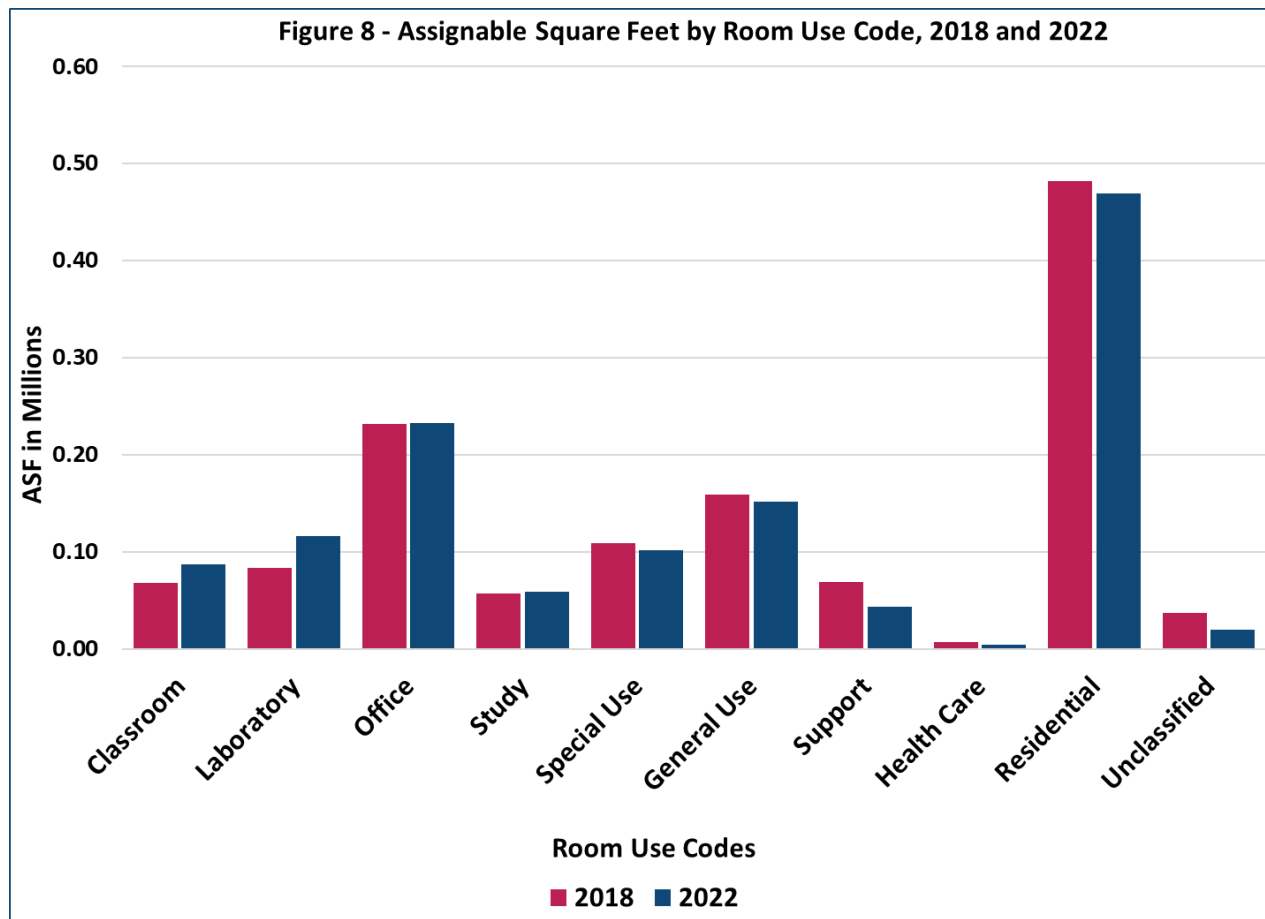
Utilization of Space



Room Space Characteristics

In 2022, the assignable square feet at WSSU decreased from 1,284,309 to 1,283,686, or -0.05% from the previous year.

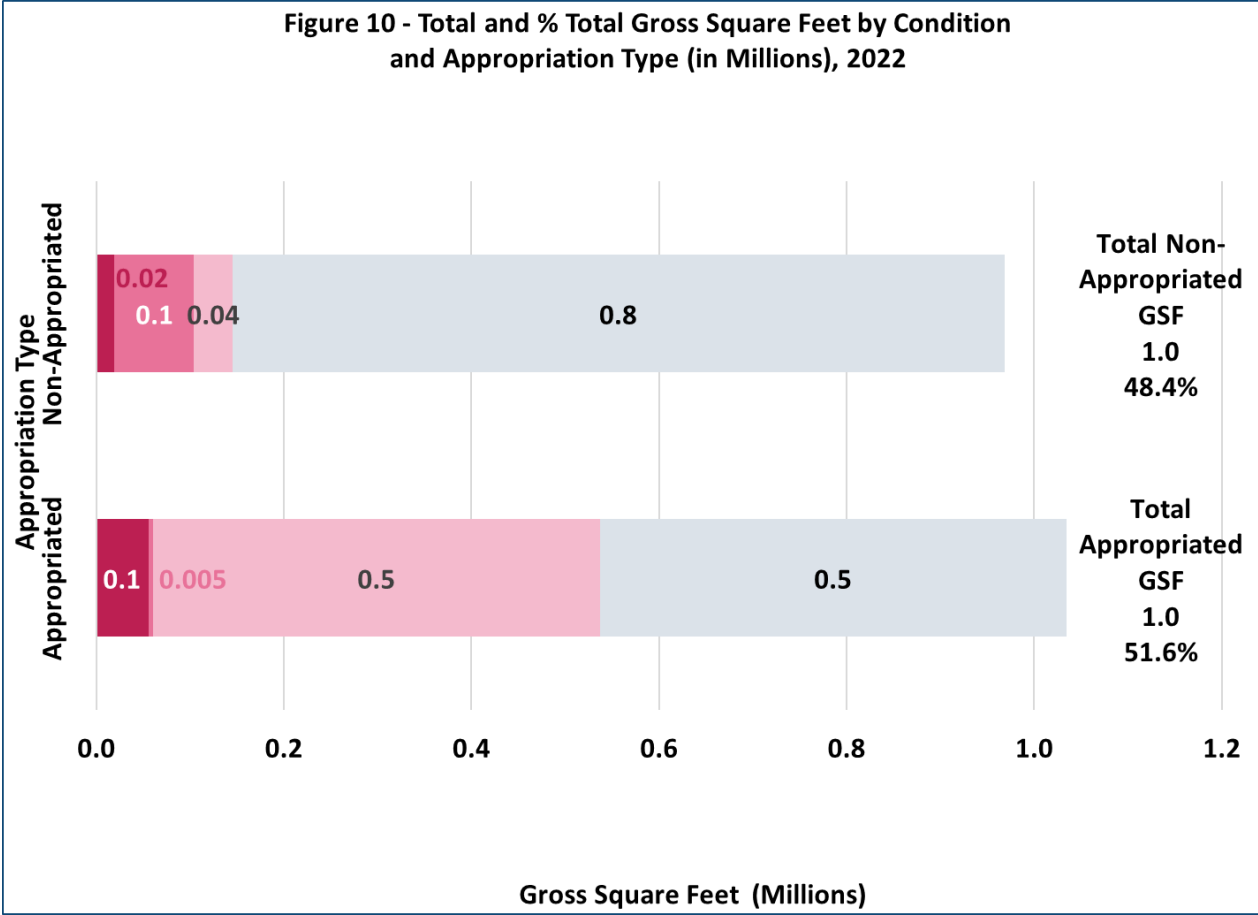
Assignable Space by Program				
Program	Total ASF	% of Total in 2022	% of Total in 2018	% Change
Instruction	309,040	24.07%	20.20%	3.88%
Research	27,814	2.17%	2.60%	-0.43%
Public Service	4,205	0.33%	0.32%	0.00%
Student Service	694,035	54.07%	55.13%	-1.06%
Other	248,592	19.37%	21.75%	-2.39%



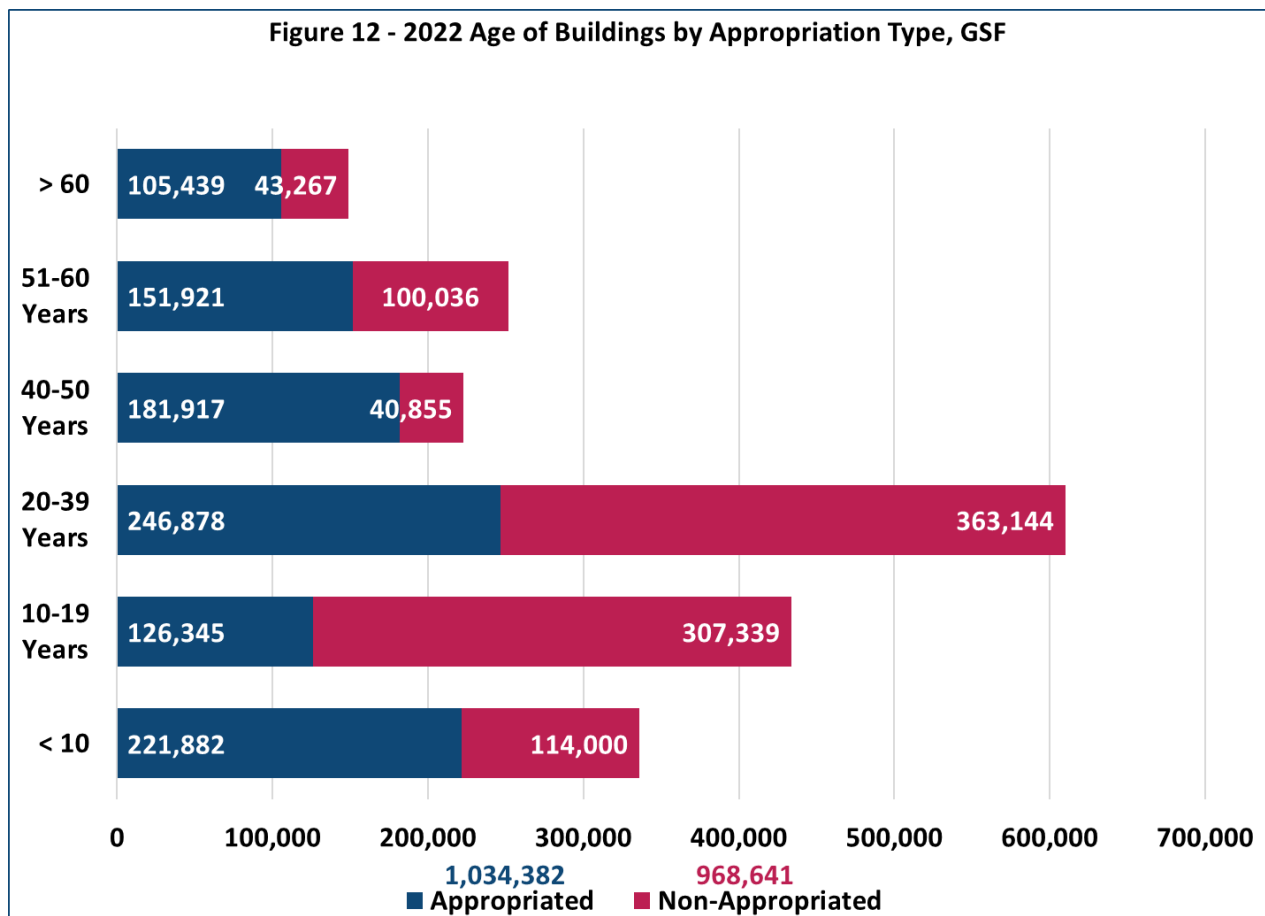
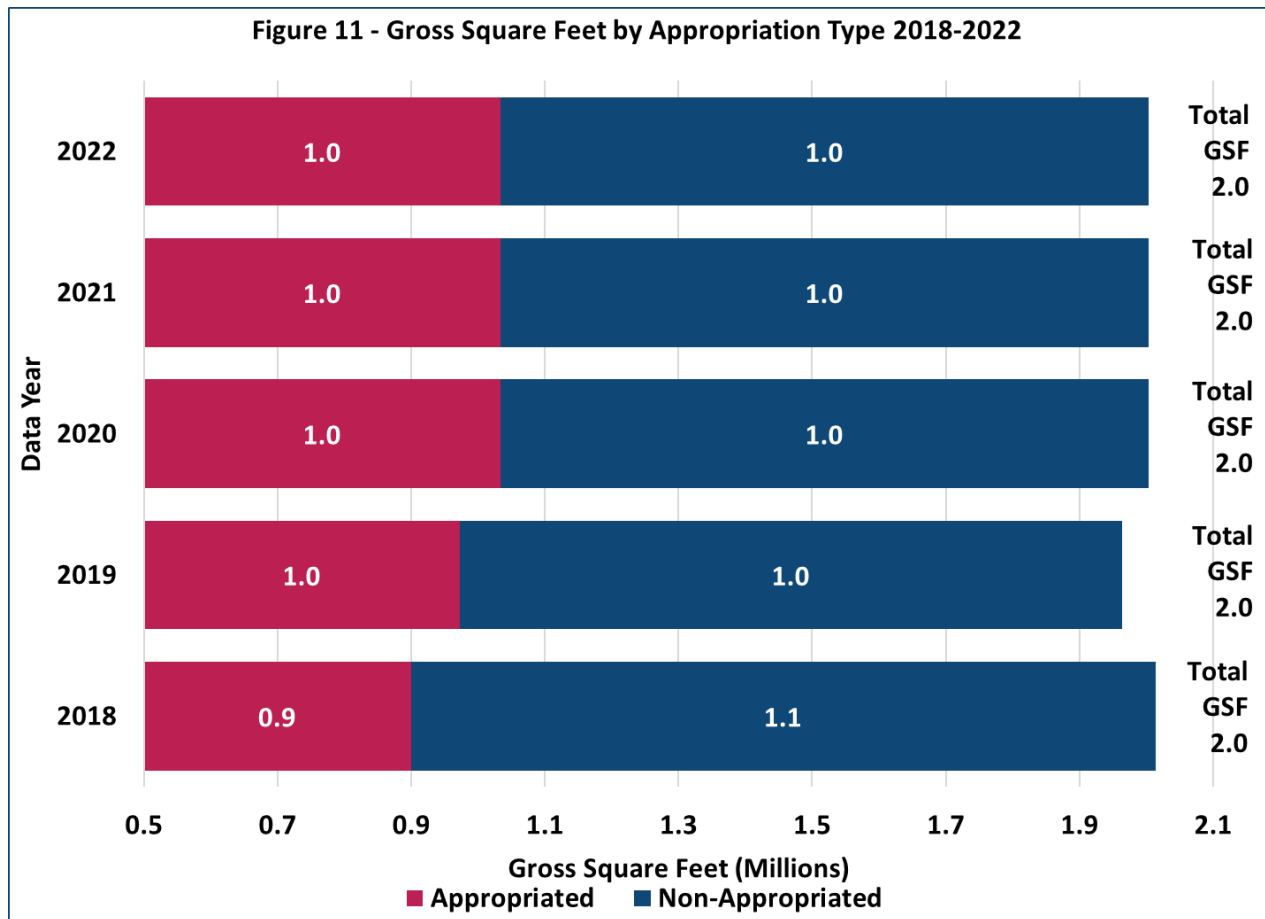
Building Characteristics

Winston-Salem State University has 2,003,023 gross square feet of space comprised of 50 buildings (15 residential, 35 non-residential; 25 appropriated, 25 non-appropriated; 30 owned, 7 leased, 13 under other agreement terms) with 1,284,309 square feet of assignable space, having increased by 2.1% within the last five years. Since 2021, gross square footage has remained unchanged.

Winston-Salem State University Building Characteristics	
50 Total Buildings	
25 Appropriated	30 Owned
25 Non-Appropriated	7 Leased
	13 Other Agreement
50 Total	50 Total



Winston-Salem State University Summary









Legend

The table below identifies the study source for the figures contained in the appendix:

Figure #	Figure Title	Study Source
Figure 1	Average Weekly Hours in Classrooms	Table 3
Figure 2	Average Weekly Hours in Class Labs	Table 4
Figure 5	Station Utilization in Classrooms	Table 7
Figure 6	Station Utilization in Class Labs	Table 7
Figure 8	Assignable Square Feet by Room Use Code, 2022	Table 15
Figure 9	Total Gross Square Feet by Condition Type (in Millions) 2018-2022)	Table 22
Figure 10	Total and % Total Gross Square Feet by Condition and Appropriation Type (in Millions), 2022	Table 22 (GSF Only)
Figure 11	Gross Square Feet by Appropriation Type, 2018-2022	Table 21
Figure 12	2022 Age of Buildings by Appropriation Type, GSF	Table 21 (GSF Only)

The chart below defines the condition codes used in figures 9 and 10:

 Condition Code 1 - Satisfactory - Suitable for continued use with normal maintenance	 Condition Code 4 - Remodeling C - More than 50% of the estimated replacement cost of the building
 Condition Code 2 - Remodeling A - Less than 25% of the estimated replacement cost of the building	 Condition Code 5 - Demolition - Identified for demolition, typically because they are unsafe or unsound
 Condition Code 3 - Remodeling B - Between 25% and 50% of the estimated replacement cost of the building	 Condition Code 6 - Termination - No longer in use for reasons other than condition

The University of North Carolina
Capital Project Reporting in Compliance with G.S. 143C-8-14
[Report for April 1, 2024*]

I. Project Status

FY Auth	Institution	Project Title	Authorized Budget	Funding Sources			Current Construction Status	Estimated Completion Date	Project Expenditures	Estimated Operating Costs (Y1-Y5)
				Appropriated Funds Allocated	Non-Appropriated	Self-Liquidating Debt				
2021-2022	App State	Duncan Hall Renovation	\$26,000,000	\$12,692,308			Under Design		\$1,234,904	
2021-2022	App State	Peacock Hall Business	\$40,000,000	\$25,000,000			Under Design		\$801,370	
2021-2022	App State	Innovation Campus	\$61,581,386	\$54,000,000	\$7,581,386		Under Construction	8/1/2025	\$9,252,135	\$9,237,208
2021-2022	App State	Wey Hall Envelope & Roof Repair and Wey Hall Partial Renovation—Building Systems	\$21,000,000	\$19,000,000	\$2,000,000		Under Construction	7/25/2024	\$2,117,658	\$3,150,000
2022-2023	App State	Hickory Campus	\$50,000,000	\$9,000,000			Under Design		\$2,371,610	
2023-2024	App State	Walker Hall-Interior Renovations	\$18,000,000	\$0			Not Started		\$0	
2021-2022	ECU	Brody School of Medicine	\$265,000,000	\$75,250,000			Under Design		\$7,640,262	
2021-2022	ECU	Howell Science Building South	\$37,000,000	\$3,000,000	\$7,000,000		Under Design		\$2,155,451	
2021-2022	ECU	Whichard Building Comprehensive Renovation	\$10,000,000	\$1,500,000			Under Design		\$588,547	
2023-2024	ECU	Howell Science Building North-Comprehensive Renovation	\$46,000,000	\$0			Not Started		\$0	
2023-2024	ECU	Leo Jenkins Building/Health Sciences-Comprehensive Renovation	\$18,900,000	\$0			Not Started		\$0	
2023-2024	ECU	Medical Examiner Office	\$35,000,000	\$8,750,000			Not Started		\$0	
2023-2024	ECU	Regional Children's Behavioral Health Facility	\$50,000,000	\$50,000,000			Not Started		\$0	
2021-2022	ECSU	Flight School	\$54,000,000	\$14,000,000			Under Design		\$15,316	
2021-2022	ECSU	Infrastructure Upgrades—Water & Electrical, Phases 1 & 2, Repair Campus Main Switch and Campus Pump Station	\$40,350,000	\$16,050,000			Under Construction	8/12/2026	\$1,576,948	
2021-2022	ECSU	New Dining Facility	\$15,000,000	\$15,000,000			Under Construction	8/10/2025	\$1,281,147	NA
2021-2022	ECSU	New Residence Hall	\$40,000,000	\$35,000,000		\$5,000,000	Under Construction	8/10/2025	\$3,072,309	NA
2023-2024	ECSU	Infrastructure Repairs-Phase 3	\$20,000,000	\$0			Not Started		\$0	
2023-2024	ECSU	Jenkins Hall/Dixon Hall-Labs/Classroom/Bldg Renovation	\$12,500,000	\$0			Not Started		\$0	
2021-2022	FSU	A.B. Rosenthal Building - Targeted Renovations	\$10,000,000	\$1,000,000			Under Design		\$85,300	
2021-2022	FSU	H. T. Chick - Targeted Renovation	\$9,500,000	\$950,000			Under Design		\$331,799	
2021-2022	FSU	College of Education	\$63,000,000	\$20,050,000			Under Design		\$2,323,595	
2021-2022	FSU	Dormitories	\$44,000,000	\$34,000,000			Under Construction	12/15/2025	\$3,421,907	NA
2021-2022	FSU	Parking Deck	\$10,000,000	\$10,000,000			Under Design		\$79,500	NA
2023-2024	FSU	Butler Targeted Renovation	\$20,750,000	\$0			Not Started		\$0	
2023-2024	FSU	H.L. Cook Building-Renovation & Addition	\$10,000,000	\$1,000,000			Not Started		\$0	
2021-2022	N.C. A&T	Carver Hall—Comprehensive Modernization, Phase 1 and Phase 2	\$20,100,000	\$2,010,000			Under Design		\$151,092	
2021-2022	N.C. A&T	Price Hall-Renovation, Phase 1 and Phase 2	\$16,500,000	\$1,650,000			Under Design		\$127,851	
2021-2022	N.C. A&T	Marteena Hall Renovation, Phase 1 and Phase 2	\$18,800,000	\$1,880,000			Under Design			
2023-2024	N.C. A&T	Health and Human Sciences Building	\$125,500,000	\$0			Not Started		\$0	
2021-2022	NCCU	Taylor Education Building Renovation	\$13,750,000	\$1,375,000			Under Design		\$79,610	
2023-2024	NCCU	Dent Building-Comprehensive Renovation	\$12,073,798	\$1,207,380			Not Started		\$0	
2023-2024	NCCU	Edmonds Classroom Building-Comprehensive Renovation	\$12,999,424	\$0			Not Started		\$0	
2020-2021	NC State	STEM Building - Integrative Sciences Building	\$180,000,000	\$61,750,000		\$90,000,000	Under Construction	11/17/2026	\$18,343,116	\$27,000,000
2021-2022	NC State	111 Lampe Drive Renovation	\$42,000,000	\$4,200,000			Not Started		\$0	
2021-2022	NC State	Dabney Hall (including Phase 2)	\$140,000,000	\$60,000,000			Under Design		\$2,672,241	
2021-2022	NC State	E-Sports Facility	\$12,000,000	\$12,000,000			Under Design		\$0	
2021-2022	NC State	Kilgore Hall—HVAC Renovation	\$10,000,000	\$1,000,000			Not Started		\$0	
2021-2022	NC State	Mann Hall—HVAC & Plumbing Renovation (including Phase 2)	\$52,000,000	\$19,857,143			Under Design		\$267,194	
2021-2022	NC State	Polk Hall (including Phase 2)	\$73,000,000	\$10,000,000			Under Design		\$174,563	
2023-2024	NC State	Veterinary School-Large Animal Hospital	\$120,000,000	\$0			Not Started		\$0	
2023-2024	NC State	Engineering Classroom Building	\$200,000,000	\$0			Not Started		\$0	
2021-2022	UNCA	Lipinsky Renovation, Modernization/Addition	\$36,150,000	\$3,615,000			Not Started		\$0	

FY Auth	Institution	Project Title	Authorized Budget	Funding Sources			Current Construction Status	Estimated Completion Date	Project Expenditures	Estimated Operating Costs (Y1-Y5)
				Appropriated Funds Allocated	Non-Appropriated	Self-Liquidating Debt				
2017-2018	UNC-CH	School of Business - McColl Building - Addition & Renovation	\$194,250,000	\$51,750,000	\$75,000,000	\$15,000,000	Under Construction	10/25/2025	\$38,284,749	\$29,137,500
2020-2021	UNC-CH	Nursing School Renovation (Carrington Hall Renewal)	\$97,900,000	\$54,450,000		\$10,000,000	Under Design		\$5,545,087	
2021-2022	UNC-CH	Wilson Library–1953 Central HVAC System AHU 1, 2, 3 and Means of Egress	\$26,608,000	\$12,855,549			Under Design		\$828,682	
2023-2024	UNC-CH	Gardner Hall-Comprehensive Renovation	\$25,000,000	\$0			Not Started			
2018-2019	UNCC	Cameron Hall - 2nd Floor Renovation	\$26,050,000	\$19,100,000	\$6,950,000		Under Construction	10/17/2026	\$766,070	\$3,907,500
2021-2022	UNCC	Atkins Library Tower–ADA & Elev. and Fire & Smoke Systems	\$13,840,000	\$1,384,000			Under Design		\$594,745	
2021-2022	UNCC	Burson–Renovation	\$55,900,000	\$32,590,000			Under Design		\$346,975	
2023-2024	UNCC	Smith Hall-Comprehensive Renovation	\$36,000,000	\$0			Not Started			
2023-2024	UNCC	Colvard Hall-Comprehensive Renovation	\$45,000,000	\$0			Not Started			
2023-2024	UNCC	Richardson Stadium Expansion	\$25,750,000	\$20,000,000	\$750,000		Not Started		\$0	
2021-2022	UNCG	Campus Chiller Water Infrastructure & Equip. Improvements	\$13,803,000	\$4,443,000			Under Design		\$609,396	
2021-2022	UNCG	Jackson Library–Renovation/Addition	\$98,100,000	\$25,200,000			Under Design		\$2,018,280	
2023-2024	UNCG	Moore Building-Renovation	\$24,200,000	\$0			Not Started			
2021-2022	UNCP	Business Administration Renovation	\$12,500,000	\$1,250,000			Not Started		\$0	
2021-2022	UNCP	Health Sciences Center	\$91,000,000	\$31,850,000			Not Started		\$845,900	
2023-2024	UNCP	Givens Performing Arts Center-Renovation	\$61,000,000	\$0			Not Started			
2018-2019	UNCW	Randall Library - Renovation and Expansion	\$65,426,440	\$65,426,440			Under Construction	1/20/2025	\$42,063,463	\$9,813,966
2023-2024	UNCW	Cameron Hall-Comprehensive Renovation/Expansion	\$40,050,000	\$0			Not Started			
2023-2024	UNCW	Kenan Auditorium-Comprehensive Renovation/Expan	\$21,600,000	\$0			Not Started			
2023-2024	UNCW	DeLoach Hall-Modernization	\$12,150,000	\$0			Not Started		\$0	
2021-2022	UNCSA	Stevens Center Renovation, Phase 1 and Roof, Water Intrusion, Bldg. Envelope and Phase 2	\$80,800,000	\$12,400,000			Under Design		\$2,007,829	
2023-2024	UNCSA	New High School Residence Hall	\$24,500,000	\$0			Not Started			
2021-2022	WCU	Moore Building-Renovation, Abatement, Demo. & Struc. Improvements, Infrastructure & Accessibility, Moore Building/Upper Campus Infrastructure	\$35,500,000	\$35,500,000			Under Design		\$1,267,450	
2023-2024	WCU	Replacement Engineering Building	\$95,300,000	\$0			Not Started			
2021-2022	WSSU	Hauser Hall Renovations–Restore the Core and Hauser Hall-Renovation, Phase 2	\$17,000,000	\$1,700,000			Under Design		\$191,325	
2021-2022	WSSU	K.R. Williams Auditorium	\$57,000,000	\$19,950,000			Under Design		\$974,010	
2023-2024	WSSU	Eller Hall-Renovation & Elevator Addition	\$10,800,000	\$0			Not Started			
2023-2024	WSSU	Pegram Hall-Renovation & Elevator Addition	\$16,000,000	\$0			Not Started			
2019-2020	NCSSM	Academic Commons & Dining Hall Renovation and Academic Commons Addition	\$25,627,000	\$1,240,000	\$3,227,000		Under Design		\$1,450,056	
2021-2022	NCSSM	Repair and Renovations and Wellness Ctr. (Morganton) and Morganton Campus-Wellness Ctr.	\$24,000,000	\$24,000,000			Under Construction	6/27/2025	\$5,797,934	\$3,600,000
2023-2024	NCSSM	Durham Campus-Renovation of Residence Halls	\$33,300,500	\$0	\$4,312,458		Under Design		\$0	
2023-2024	PBS-NC	Public Safety Communications Upgrades	\$49,500,000	\$0			Not Started			
TOTAL			\$3,567,909,548	\$1,000,875,820	\$106,820,844	\$120,000,000			\$157,959,441	\$85,846,174

Definitions:

Authorized Budget: Total authorized budget approved for the project by legislation or the UNC Board of Governors.

Appropriated Funds Allocated: Appropriated funds (including SCIF) and state debt currently allocated by legislation or the UNC Board of Governors as of the reporting quarter.

Non-appropriated Funds: Non-appropriated funds including donations, gifts, and other sources.

Self-liquidating Debt: Debt issued by the university with legislative approval and repaid from non-appropriated sources.

Estimated Completion Date: The latest completion date of the awarded contracts, including projects with multiple contracts that have not yet been awarded, as reported in Interscope. The completion date is subject to change as additional construction contracts are awarded.

Estimated Operating Costs (Y1-Y5): An estimate of the cumulative operating costs for the project for the first five fiscal years of its operation.

II. Adequacy of Project Funding

FY Auth	Institution	Project Title	Authorized SCIF Funding	Current Project Estimate	Additional Funding Required	Summary of Scope Reductions/VE Items	Current Project Status
2021-2022	ECU	Howell Science Building South	\$37,000,000	\$39,500,000	\$2,500,000	The original 1969 complex consists of three separate towers and is approximately 127,794 square feet. The complex includes classrooms and offices, but functions primarily as a laboratory building. The lab spaces are isolated and cannot sufficiently support open collaborative lab research. The project scope includes upgrading/replacing building systems, addressing life safety and code compliance issues, improving accessibility and hazardous materials abatement. There have been significant inflationary cost increases since the project budget was developed in 2018. Scope reductions include reducing quality of finishes and casework to basic types, eliminating site improvements, reusing roof top units, and eliminating a new fire pump. Additional funding is needed to maintain the scope of providing more efficient space for teaching labs and research.	Under design
2020-2021	FSU	A.B. Rosenthal Building-Targeted Renovation	\$10,000,000	\$13,037,585	\$3,037,585	The project scope includes ADA improvements, mechanical, electrical, and plumbing (MEP) upgrades, improving acoustics in music performance spaces, and a gallery renovation in the 1966 building. Scope reductions include eliminating the roof replacement, reduced MEP scope, reduced elevator modernization, interior finishes replacement in common areas only, minimal existing building improvements, and deleting demolition of kiln building. Additional funds are requested in the 2024-25 UNC Capital Priorities.	Under design
2021-2022	FSU	H. T. Chick -Targeted Renovation	\$9,500,000	\$12,268,385	\$2,768,385	The project scope includes ADA improvements, mechanical, electrical, and plumbing (MEP) upgrades, space modifications for more flexible administrative and student services program delivery. Scope reductions include elimination of dedicated space for the ITS division, elimination of roof replacement, reduced MEP scope, reduced elevator modernization, interior finishes replacement in common areas only, and limited exterior building improvements. Additional funds are requested in the 2024-25 UNC Capital Priorities.	Under design
2020-2021	FSU	Dormitories	\$44,000,000	\$50,000,000	\$6,000,000	The original scope was for construction of up to 400 new residence hall beds. During design, proposed scope reductions included changes in room configurations and a reduction in total bed count to 338 beds. Current funding will only support completion of 246 beds and shell construction of the fourth floor. Additional funding is required to finish the fourth floor, which includes 92 beds. Self-liquidating authority is requested in the 2024-25 legislative session.	Under Construction
2020-21	FSU	College of Education	\$63,000,000	\$69,300,000	\$6,300,000	The original project scope for the College of Education included a new building for the College of Education, an early childhood learning center, and two early college high schools. Due to inflation and high construction demand in the area (which is close to Fort Liberty), the project is over budget and cannot be completed within the original capital authorization. The early childhood learning center and the two early college high schools have been eliminated, and the square footage has been reduced from 110,000 SF to 73,950 SF. Without additional funding, the first floor will be shelled greatly limiting the College of Education program. Additional funds are requested from the Flex Fund.	Under design
2021-2022	UNCC	Burson-Renovation	\$55,900,000	\$67,900,000	\$12,000,000	The Burson Building, built in 1985, is a 106,000 SF academic building. The proposed project scope include renovating the entire building and adding an additional 45,000 SF. The building will be renovated to provide an interdisciplinary center for engineering, computing, and data science. the addition includes experiential, project-based engineering labs, collaborative space for students, and specialized visualization and simulation labs to support the university's growing engineering programs. The project cannot proceed as intended due to escalating construction costs. Without additional funding, 26,000 SF (25%) of the existing facility will not be renovated. Additionally, 30,000 SF (67%) of new space will be left as shell space, eliminating classrooms, labs, research, and student space intended for the Computing, Engineering, and Data Science programs.	Under design

FY Auth	Institution	Project Title	Authorized SCIF Funding	Current Project Estimate	Additional Funding Required	Summary of Scope Reductions/VE Items	Current Project Status
2021-2022	UNCW	Coastal Marine Studies-Plumbing, Mechanical, Electrical Renovation	\$9,930,000	\$14,954,524	\$5,024,524	The Center for Marine Science was constructed in 1999 and is a 66,000 SF research and teaching facility located adjacent to the intracoastal waterway. The plumbing, mechanical, and HVAC systems are at the end of their useful life and their deterioration has been exacerbated by their proximity to salt air and associated corrosion. The scope includes replacement of cooling, heating, and laboratory exhaust systems, fire alarm and fire suppression system upgrades, and addressing egress and accessibility issues. Without additional funding, the project will be delayed indefinitely affecting the Coastal Marine Studies program. Additional funds are requested in the 2024-25 UNC Capital Priorities.	Under design
2021-2022	WCU	Moore Building-Abatement, Demolition & Structural Improvements, Infrastructure & Accessibility, Building Renovation, Upper Campus Infrastructure	\$35,500,000	\$52,200,000	\$16,700,000	The project will renovate the existing historic Moore building, a former women's dormitory, for use as academic space for English Studies, Criminology and Criminal Justice and to provide space for the Office of Global Engagement, Center for Community Engagement and Service Learning, and the Mountain Heritage Center. The project scope includes the comprehensive renovation of 49,500 SF, three-story building which has been vacant since 2012. Scope reductions include removal of the outdoor classroom/amphitheater, first floor shell space only for the Mountain Heritage Center, Center for Community Engagement and Service Learning, and the Office of Global Engagement. Without additional funding, the academic space will also be shelled and the building will not be usable until additional funding is provided. Additional funds are requested in the 2024-25 UNC Capital Priorities.	Under design
2021-2022	WSSU	Hauser Hall Renovations-Restore the Core and Phase 2	\$17,000,000	\$22,100,000	\$5,100,000	The project scope includes a comprehensive renovation and addition for the Music Department, including a band room, choral room, isolated practice rooms, teaching studios, classrooms, and offices. The current Fine Art Building has limited space and needs to be relocated to accommodate the program. Without additional funding, the project will be delayed indefinitely and will negatively impact the Fine Arts program. Additional funds are requested in the 2024-25 UNC Capital Priorities.	Under design
2021-2022	NCSSM	Chiller Replacement	\$3,000,000	\$4,250,000	\$1,250,000	The project includes replacement of the current chiller with a new 850-ton unit in the central chiller plant. Inflationary increases of 25% - 30% and the limited availability of equipment have increased the project costs. The current chiller is non-functional and NCSSM has had to rent a temporary chiller. Without additional funding, NCSSM will have to continue renting a temporary chiller.	Under design
TOTAL			\$284,830,000	\$345,510,494	\$60,680,494		