

November 13, 2024 at 12:30 p.m.
Via Videoconference and PBS North Carolina Livestream
University of North Carolina System Office
223 S. West Street, Board Room
Raleigh, North Carolina

AGENDA

OPEN SESSION

- A-1. Academic Affairs UpdateDavid English
- A-2. Distinguished Professorships Endowment Trust Fund,
Report to Joint Legislative Education Oversight Committee.....David English
- A-3. Carnegie Classifications OverviewDavid English
- A-4. Licensure and State Authorization OverviewDaniel Harrison and Kaity McNeill
- A-5. Update on UNC System Healthcare Initiatives Katherine Martin
- A-6. Adjourn

AGENDA ITEM

A-1. Academic Affairs Update..... David English

Situation: The committee will hear an update on recent activities involving academic affairs.**Background:** The University of North Carolina System Office Division of Academic Affairs complements the University of North Carolina System's core academic mission, supports faculty, and ensures success for research and sponsored and international programs. The division also aids with student affairs and other access and outreach activities.**Assessment:** Information will be provided to the committee on recent updates in academic affairs at the UNC System Office and across the 17 institutions.**Action:** This item is for information only.

AGENDA ITEM

- A-2. Distinguished Professors Endowment Trust Fund,
Report to Joint Legislative Education Oversight Committee David English

Situation: G.S. 116-41.19 directs the University of North Carolina Board of Governors to provide annually a list of degree programs in STEM subject areas and the number of distinguished professorships at each constituent institution funded through the Distinguished Professors Endowment Trust Fund in each STEM subject area.

Background: In their 2023 Session, the General Assembly approved changes to the Distinguished Professors Endowment Trust Fund (DPETF) via House Bill 259. Section 116-41.13 altered the provisions for the establishment of new distinguished professorships. The legislation mandated that state matching funds be provided only for distinguished professorships for degree programs in STEM subject areas. Section 116-41-19 required, “No later than December 15, 2024, and annually thereafter, the Board of Governors shall identify and provide to the Joint Legislative Oversight Committee a list of degree programs in STEM subject areas and the number of distinguished professorships at each constituent institution funded pursuant to this Part in each STEM subject area. The Board of Governors shall make the list of degree programs in STEM subject areas available on its website.” The final version of this report must be submitted to the Joint Legislative Education Oversight Committee no later than December 15, 2024.

Assessment: The Distinguished Professors Endowment Trust Fund Report provides a listing of STEM degree programs at each UNC System institution as well as the number of distinguished professors in STEM subject areas. As of the passage of the updated DPETF legislation, the UNC System Office has not provided state matching funds to any institution for a distinguished professorship that is not in a STEM field. As required by the legislation, and since December 2023, the UNC System Office has maintained a listing of the approved STEM degree fields by institution and the numbers of distinguished professor positions at the institutions on its website. That information and the attached report fulfill the requirements of G.S. 116-41.19.

Action: This item is for information only.



**DISTINGUISHED PROFESSORS ENDOWMENT TRUST FUND:
2024 Report on the Status of STEM Distinguished Professorships**

October 29, 2024

University of North Carolina System
Raleigh, North Carolina

2024 Report on the Status of STEM Distinguished Professorships

Introduction and Background

In their 2023 Session, the General Assembly approved changes to the Distinguished Professors Endowment Trust Fund (DPETF) via House Bill 259. Section 116-41.13 altered the provisions for the establishment of new distinguished professorships. The legislation mandated that state matching funds be provided only for distinguished professorships for degree programs in STEM subject areas. Section 116-41-19 required, “No later than December 15, 2024, and annually thereafter, the Board of Governors shall identify and provide to the Joint Legislative Oversight Committee a list of degree programs in STEM subject areas and the number of distinguished professorships at each constituent institution funded pursuant to this Part in each STEM subject area. The Board of Governors shall make the list of degree programs in STEM subject areas available on its website.”

After the law’s passage, Dr. David English, senior vice president for Academic Affairs and chief academic officer, informed all UNC System chancellors of the changes and provided interim guidance until the University of North Carolina System Office could update the associated policy and regulation. The memorandum of November 2, 2023, stated (in part):

1. Established distinguished professorships. Distinguished professorships established at the campus (full private funding and state match in hand) prior to October 3, 2023, are *not* impacted by the change in state law or the conforming change in UNC System policy. However, those distinguished professorships are not eligible for any *additional* matching funds unless they are transitioned to an approved STEM field.
2. Pending distinguished professorships. There are several pending distinguished professorships “in the queue” awaiting the state match, meaning professorships for which private funding is in hand, but the state match has not been transferred to the institution. Given that pending requested distinguished professorships in the queue would be funded with FY24 or future appropriations, those distinguished professorships must adhere to the new STEM requirements to be eligible for state match funding.
3. New distinguished professorships. Any new distinguished professorship request submitted to the UNC System Office for review on or after October 3, 2023, must satisfy the new STEM requirements. Only those which satisfy the STEM requirement will be eligible for consideration for the state match funding.

The UNC System Office is working with constituent institutions to identify which distinguished professorships in the queue satisfy the new STEM requirement and which are non-STEM. Constituent institutions will be notified of the distinguished professorships determined to be non-STEM; non-STEM distinguished professorships will be removed from the queue. The impacted constituent institutions can then review their options internally, which can include working with the donor to alter the approved plan to meet the STEM requirement. If an institution elects to modify a non-STEM distinguished professorship plan to meet the STEM requirement, it shall maintain its original date of submission to the queue.

UNC System Office personnel then worked to establish the approved STEM listings and procedures for ensuring new distinguished professor plans and proposals adhered to the updated legislation.

2024 Report on the Status of STEM Distinguished Professorships

Selection of Approved STEM Programs

Prior to the legislation, the UNC System had an established list of STEM programs, which were identified in the UNC Enrollment User Manual. These CIP codes and their associated academic areas are:

- 01 – Agriculture
- 03 – Natural Resources
- 11 – Computer Science
- 14 – Engineering
- 15 – Engineering Technology
- 26 – Biological Sciences
- 27 – Math and Statistics
- 29 – Military Technology
- 40 – Physical Sciences
- 49.0101 – Aeronautics/Aviation/Aerospace Science and Technology, General
- 51 – Health Professions
- 51.38 – Nursing

The UNC System Office then canvassed the 16 universities to identify all degree-granting programs under those CIP codes. After a thorough review, the UNC System Office established the list, presented by institution in the appendices.

After the senior vice president for Academic Affairs approved the list of degree-granting programs, the queue of approved distinguished professors awaiting funding was examined. The UNC System Office identified those approved DPETF plans believed to be non-STEM and provisionally removed them from the queue and notified the institutions. The UNC System Office provided affected institutions a chance to review the removals and provide any information and/or recommended changes to the list of removals. If a plan was removed from the DPETF listing for state matching funds, the institution—with donor agreement—could retain the donor funds and establish an institutional endowment in the amount provided, but they could not receive state matching funds and the position is not included in the UNC DPETF program.

Prior to non-STEM removals, there were 67 approved DPETF plans in the queue, along with a number of other submitted (but not yet approved) plans. Plan approvals were put on hold pending the outcome of the legislation and STEM review actions. After adjudication and final decisions, 19 distinguished professor plans approved, but not yet state-matched, were removed from the planned funding queue, and 10 additional plans submitted, but not yet approved, were sent back to the institutions. Thus, 29 DPETF plans, totaling \$10,591,000, were removed from consideration, and the queue became 47 STEM DPETF approved plans awaiting state funding (as of early October 2023).

Listing of STEM Degree Programs and Number of Distinguished Professors

The attached appendices provide the information required by the updated DPETF legislation. Appendix A provides a brief listing and overview, showing the number of distinguished professors in degree programs and associated CIP code at each institution. This listing displays information on approved and fully funded DPETF positions in that STEM field at the institution, which is tracked at the UNC System

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Office, and irrespective of the filled/vacancy status of the position. Of the 739 fully funded and approved distinguished professors in the UNC System, almost 51 percent are in approved STEM fields. The remaining appendices show all degree-granting programs under each approved CIP code, by institution, approved at the UNC System Office. This listing satisfies the legislative requirement and is used when an institution requests approval to establish a new distinguished professorship and associated matching state funds. The required information and DPETF plan submitted to the UNC System Office must include the associated CIP and degree/program area for the requested new distinguished professorship, and it must be on the established STEM listing to be eligible for approval.

From time to time, institutions will garner additional donor funds and request to upgrade the endowment level of an existing distinguished professorship. Per the legislation and our established enabling policy, state matching funds cannot be used to upgrade a distinguished professorship unless it is aligned with these programs and included on the listings.

Table 1 provides a summary of the total number of STEM and all distinguished professorships at each institution. STEM distinguished professorships represent 376 out of the 739 total established, or 50.88 percent of all distinguished professorships in the UNC System. The numbers provided below are established DPETF positions and those identified as being in STEM fields, regardless of whether the position is filled or vacant.

Table 1: Summary of Distinguished Professorships in the UNC System, by Institution

Institution	Number of STEM DP Positions	Number of all DP Positions	Percentage of STEM DPs
Appalachian State University	4	26	15%
East Carolina University	30	57	53%
Elizabeth City State University	4	9	44%
Fayetteville State University	2	9	22%
North Carolina A&T State University	8	15	53%
North Carolina Central University	4	18	22%
NCSSM	0	0	0%
NC State University	98	120	82%
University of North Carolina Asheville	4	10	40%
University of North Carolina at Chapel Hill	168	308	55%
University of North Carolina at Charlotte	17	38	45%
University of North Carolina at Greensboro	6	28	21%
University of North Carolina at Pembroke	6	12	50%
UNC School of the Arts	0	22	0%
University of North Carolina Wilmington	9	21	43%
Western Carolina University	8	25	32%
Winston-Salem State University	8	21	38%
Totals:	376	739	51%

Of note, the General Assembly approved the North Carolina School of Science and Mathematics for participation in the DPETF program in 2023 legislation. NCSSM has raised funds for two \$2 million-level

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endowments, and they are awaiting state matching funds to establish these first positions. Per the established restrictions, both new positions will be in STEM fields. Because NCSSM does not use CIP codes, their eligible programs are listed in the appendix by STEM departments.

Due to not having any degree programs in approved STEM fields, University of North Carolina School of the Arts is no longer eligible to establish new UNC distinguished professorships and obtain state matching funds. They can continue to establish institutional endowed professorships, but those are not counted or tracked at the UNC System Office. The UNC System Office will continue to track the existing 22 UNCSA DPETF positions via the required annual updates.

Compliance with Legislation

As of the passage of the updated DPETF legislation, the UNC System Office has not provided state matching funds to any institution for a distinguished professorship that is not in a STEM field.

As required by the legislation, and since December 2023, the UNC System Office has maintained a listing of the approved STEM degree fields by institution and the numbers of distinguished professor positions at the institutions on its website (see the DPETF section of the Faculty Resources webpage, located at: <https://www.northcarolina.edu/offices-and-services/academic-affairs/faculty-resources/>). The listing is updated as changes are made.

This report fulfills the remaining legislative requirement and, upon approval by the Board, will be submitted to the Joint Legislative Education Oversight Committee prior to the December 15, 2024, deadline, with updates annually thereafter.

2024 Report on the Status of STEM Distinguished Professorships

Appendix A: Summary of UNC STEM Distinguished Professorships

Institution	Number of DPs by Degree Program	STEM 2-Digit CIP Code
Appalachian State University		
Communication Sciences and Disorders	1	51
Computer Science	1	11
Mathematics	1	27
Public Health	1	51
Appalachian State University Total:	4	
East Carolina University		
Chemistry	1	40
Communication Sciences and Disorders	1	51
Construction Management	1	15
Health Education and Promotion	5	51
Medicine	20	51
Nursing	2	51.38
East Carolina University Total:	30	
Elizabeth City State University		
Aviation Science	1	49.0101
Biology	1	26
Engineering Technology	1	15
Mathematics	1	27
Elizabeth City State University Total:	4	
Fayetteville State University		
Computer Science	1	11
Nursing	1	51.38
Fayetteville State University Total:	2	
N.C. A&T State University		
Agriculture and Environmental Sciences	2	01
Biology	1	26
Computer Science	1	11
Electrical and Computer Engineering	1	14
Mechanical Engineering	2	14
Nursing	1	51.38
N.C. A&T State University Total:	8	
North Carolina Central University		
Biological and Biomedical Sciences	3	26
Nursing	1	51.38
NC Central University Total:	4	
NC School of Science and Mathematics		
<i>Awaiting first state match</i>		
NCSSM Total:	0	
North Carolina State University		
Aerospace Engineering	1	14
Analytics	2	11

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Animal Science	1	01
Biological and Agricultural Engineering	2	14
Biological Sciences	2	26
Biomedical Engineering	3	14
Chemistry	8	40
Chemical Engineering	4	14
Civil Engineering	6	14
Computer Engineering	1	14
Computer Science	4	11
Construction Engineering	2	14
Crop Science	5	01
Electrical Engineering	5	14
Entomology	2	26
Food Sciences	1	01
Forestry and Environmental Resources	2	03
Horticultural Science	6	01
Industrial Engineering	5	14
Marine, Earth, and Atmospheric Sciences	2	40
Material Science and Engineering	4	14
Mathematics	1	27
Mechanical Engineering	3	14
Nuclear Engineering	2	14
Operations Research	1	14
Physics	3	40
Poultry Science	2	01
Statistics	5	27
Textile Engineering	2	14
Textile Technology and Management	1	14
Veterinary Medicine	10	51
NC State University Total:	98	
UNC Asheville		
Chemistry	2	40
Engineering	1	14
Environmental Studies	1	03
UNC Asheville Total:	4	
UNC-Chapel Hill		
Audiology	1	51
Biology	5	26
Biostatistics	2	26
Chemistry	7	40
Computer Science	3	11
Dentistry	10	51
Earth and Marine Sciences	2	40
Endodontics	1	51
Environmental Sciences and Engineering	5	03
Epidemiology	3	26
Geological Sciences	1	40
Human Movement Science	4	51

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Materials Science	1	40
Mathematics	6	27
Medicine	68	51
Microbiology and Immunology	5	51
Neuroscience	1	26
Nursing	5	51.38
Orthodontics	1	51
Periodontology	1	51
Pharmacy	8	51
Pharmaceutical Sciences	8	51
Pharmacology	3	51
Physics	5	40
Prosthodontics	1	51
Public Health	8	51
Radiologic Science	1	51
Statistics	1	27
Holding/TBD upon hire (flexible STEM area)	1	TBD
UNC-Chapel Hill Total:	168	
UNC Charlotte		
Bioinformatics and Genomics	1	26
Biology	2	26
Chemistry	1	40
Electrical Engineering	4	14
Computer Science	1	11
Cybersecurity	1	11
Mechanical Engineering	3	14
Nursing	1	51.38
Public Health Sciences	3	51
UNC Charlotte Total:	17	
UNC Greensboro		
Athletic Training	1	51
Biology	1	26
Chemistry	2	40
Nursing	2	51.38
UNC Greensboro Total:	6	
UNC Pembroke		
Biology	2	26
Computer Science	1	11
Nursing	3	51.38
UNC Pembroke Total:	6	
UNC School of the Arts		
UNCSA Total:	0	
UNC Wilmington		
Chemistry	3	11
Marine Biology	1	26
Marine Sciences	2	40
Nursing	3	51.38

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UNC Wilmington Total:	9	
Western Carolina University		
Construction Management	2	15
Electrical Engineering	1	14
Engineering	1	14
Environmental Science	1	03
Nursing	2	51.38
Physical Therapy	1	51
Western Carolina University Total:	8	
Winston-Salem State University		
Biological Sciences	1	26
Biology	1	26
Computer Science	2	11
Physical Therapy	1	51
Nursing	3	51.38
Winston-Salem State University Total:	8	

TOTAL STEM DPs: 376
% of STEM DPs of Overall DPETF: 50.88%

Appendix B: Appalachian State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
Fermentation Sciences, BS	Chemistry and Fermentation Sciences
Veterinary Technology, BS	Rural Resilience and Innovation
03 - Natural Resources	
Environmental Science, BS	Geological and Environmental Sciences
Sustainable Development, BA	Sustainable Development
Sustainable Development, BS	Sustainable Development
11 - Computer Science	
Computer Science, BS	Computer Science
Computer Science, MS	Computer Science
Applied Data Analytics, MS	Computer Information Systems
Cybersecurity, BS	Computer Information Systems
14 - Engineering	
None	
15 - Engineering Technology	
Sustainable Technology, BS	Sustainable Tech & Built Environment
Technology, MS	Sustainable Tech & Built Environment
26 - Biological Sciences	
Biology, BA	Biology
Biology, BS	Biology
Biology, MS	Biology
Exercise Science, BS	Public Health and Exercise Science

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Exercise Science, MS

Public Health and Exercise Science

27 - Math and Statistics

Mathematics, BA

Mathematical Sciences

Mathematics, BS

Mathematical Sciences

Mathematics, MA

Mathematical Sciences

29 - Military Technology

None

40 - Physical Sciences

Chemistry, BA

Chemistry and Fermentation Sciences

Chemistry, BS

Chemistry and Fermentation Sciences

Geology, BA

Geological and Environmental Sciences

Geology, BS

Geological and Environmental Sciences

Physics, BA

Physics & Astronomy

Physics, BS

Physics & Astronomy

Engineering Physics, MS

Physics & Astronomy

51 - Health Professions

Marriage & Family Therapy, MA

Counseling, Family Therapy & Higher Education

Public Health, BS

Public Health and Exercise Science

Public Health, MPH

Public Health and Exercise Science

Athletic Training, MS

Rehabilitation Sciences

Nutrition & Foods, BS

Nutrition and Health Care Management

Health Care Management, BS

Nutrition and Health Care Management

Health Sciences, BS

Nutrition and Health Care Management

Health Administration, MHA

Nutrition and Health Care Management

Nutrition, MS

Nutrition and Health Care Management

Communication Sciences & Disorders, BS

Rehabilitation Sciences

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Speech-Language Pathology, MS	Rehabilitation Sciences
Music Therapy, BM	Music
Music Therapy, MMT	Music
Occupational Therapy, MSOT	Rehabilitation Sciences

51.38 - Nursing

Nursing RN to, BSN	Nursing
Nursing, BSN	Nursing
Nursing, MSN	Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix C: East Carolina University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
Integrated Coastal Sciences, PhD	Coastal Studies	
11 - Computer Science		
Computer Science, BS	Computer Science	
Computer Science, MS	Computer Science	
Geographic Information Science and Technology, BS	Geography, Planning, and Environment	
Information and Cybersecurity Technology, BS	Technology Systems	
Network Technology, MS	Technology Systems	
14 - Engineering		
Biomedical Engineering, MS	Engineering	
Engineering, BS	Engineering	
Mechanical Engineering, MS	Engineering	
Software Engineering, BS	Computer Science	
Software Engineering, MS	Computer Science	
15 - Engineering Technology		
Construction Management, BS	Construction Management	
Construction Management, MS	Construction Management	
Design, BS	Technology Systems	
Industrial Distribution and Logistics, BS	Technology Systems	
Industrial Engineering Technology, BS	Technology Systems	
Industrial Technology, BS	Technology Systems	

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Occupational Safety, MS
Technology, Management, MS

Technology Systems
Technology Systems

26 - Biological Sciences

Biochemistry, BS	Biology
Bioenergetics and Exercise Science, PhD	Kinesiology
Biology, BA	Biology
Biology, BS	Biology
Biology, MS	Biology
Biomedical Physics, PhD	Physics
Biomedical Sciences, MS	BSOM Research and Graduate Studies
Biomedical Sciences, PhD, Anatomy and Cell Biology	BSOM Research and Graduate Studies
Biomedical Sciences, PhD, Biochemistry and Molecular Biology	BSOM Research and Graduate Studies
Biomedical Sciences, PhD, Integrative Physiology and Metabolism	BSOM Research and Graduate Studies
Biomedical Sciences, PhD, Microbiology and Immunology	BSOM Research and Graduate Studies
Biomedical Sciences, PhD, Pharmacology and Toxicology	BSOM Research and Graduate Studies
Exercise Physiology, BS	Kinesiology
Interdisciplinary Biology, Biomedicine, and Chemistry, PhD, Biology	College of Arts and Sciences
Interdisciplinary Biology, Biomedicine, and Chemistry, PhD, Biomedicine	College of Arts and Sciences
Interdisciplinary Biology, Biomedicine, and Chemistry, PhD, Chemistry	College of Arts and Sciences
Molecular Biology and Biotechnology, MS	Biology

27 - Math and Statistics

Mathematics, BA	Mathematics
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2024 Report on the Status of STEM Distinguished Professorships

Mathematics, BS
Mathematics, MA

Mathematics
Mathematics

29 - Military Technology

None

40 - Physical Sciences

Applied Atmospheric Sciences, BS	Geography, Planning, and Environment
Chemistry, BA	Chemistry
Chemistry, BS	Chemistry
Chemistry, MS	Chemistry
Geology, BS	Geological Sciences
Geology, MS	Geological Sciences
Physics, BS	Physics
Physics, MS	Physics

51 - Health Professions

Audiology AUD	Communication Sciences and Disorders
Clinical Counseling, MS	Addictions and Rehabilitation Studies
Clinical Laboratory Science, BS	Clinical Laboratory Science
Communication Sciences and Disorders, MS	Communication Sciences and Disorders
Counselor Education, MS	Interdisciplinary Professions
Counselor Preparation and Research, PhD	Addictions and Rehabilitation Studies
Dental Medicine, DMD	School of Dental Medicine
Environmental Health, BS	Health Education and Promotion
Environmental Health, MSEH	Health Education and Promotion
Health Education, MA	Health Education and Promotion
Health Informatics and Information, Management, MS	Health Services and Information, Management
Health Information, Management, BS	Health Services and Information, Management

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Health Services Management, BS	Health Services and Information, Management
Marriage and Family Therapy, MS	Human Development and Family Science
Medical Family Therapy, PhD	Human Development and Family Science
Medicine MD	School of Medicine
Nutrition and Dietetics, BS	Nutrition Science
Occupational Therapy, MSOT	Occupational Therapy
Occupational Therapy, OTD	Occupational Therapy
Physical Therapy, DPT	Physical Therapy
Physician Assistant, MS	Physician Assistant Studies
Public Health, BS	Health Education and Promotion
Public Health, DRPH	Public Health
Public Health MPH	Public Health
Recreational Therapy, BS	Recreation Sciences
Rehabilitation Counseling, MS	Addictions and Rehabilitation Studies
Rehabilitation Sciences, PhD, Communication Sciences and Disorders	College of Allied Health Sciences
Rehabilitation Sciences, PhD, Movement Sciences and Disorders	College of Allied Health Sciences
Rehabilitation Services, BS	Addictions and Rehabilitation Studies
Speech and Hearing Sciences, BS	Communication Sciences and Disorders

51.38 - Nursing

Nursing, BSN	College of Nursing
Nursing, MSN	College of Nursing
Nursing, PhD	College of Nursing
Nursing Practice, DNP	College of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix D: Elizabeth City State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
None		
11 - Computer Science		
Computer Science, BS	Mathematics, Computer Science & Engineering Technology	
14 - Engineering		
None		
15 - Engineering Technology		
Engineering Technology, BS	Mathematics, Computer Science & Engineering Technology	
26 - Biological Sciences		
Biology, BS	Natural Sciences	
Biology, MS	Natural Sciences	
Pharmaceutical Sciences, BS	Health & Human Studies	
27 - Math and Statistics		
Mathematics, BS	Mathematics, Computer Science & Engineering Technology	
Mathematics, MS	Mathematics, Computer Science & Engineering Technology	
29 - Military Technology		
None		

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51 - Health Professions

None

49.0101 Aeronautics/Aviation/Aerospace Science and Technology

Aviation Science, BS	Aviation and Emergency Management
Unmanned Aircraft Systems, BS	Aviation and Emergency Management

51.38 - Nursing

None

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Appendix E: Fayetteville State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
None		
11 - Computer Science		
Computer Science, BS	Mathematics and Computer Science	
Cybersecurity, BS	Mathematics and Computer Science	
14 - Engineering		
None		
15 - Engineering Technology		
None		
26 - Biological Sciences		
Biology, BS	Biological and Forensic Science	
27 - Math and Statistics		
Mathematics, BS	Mathematics and Computer Science	
29 - Military Technology		
Intelligence Studies, BA	Intelligence Studies, Geospatial Science, Political Science & History	
40 - Physical Sciences		
Chemistry, BA	Chemistry, Physics, and Materials Science	
Chemistry, BS	Chemistry, Physics, and Materials Science	
Materials Science and, Manufacturing, BS	Chemistry, Physics, and Materials Science	

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51 - Health Professions

Healthcare Administration, BS	Accounting, Finance, Healthcare Administration, & Information Systems
Public Health, BS	Health, Physical, & Secondary Education

51.38 - Nursing

Nursing, BSN	School of Nursing
Nursing, MSN	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix F: North Carolina Agricultural and Technical State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
Agricultural and Environmental Systems, BS	Agribusiness, Applied Economics, and Agriscience Education; Natural Resources and Environmental Design 2 Departments
Agricultural and Environmental Systems, MS	Agribusiness, Applied Economics, and Agriscience Education; Natural Resources and Environmental Design 2 Departments
Agriculture and Environmental Sciences, PhD	Natural Resources and Environmental Design
Animal Science, BS	Animal Sciences
Laboratory Animal Science, BS	Animal Sciences
03 - Natural Resources	
None	
11 - Computer Science	
Business Analytics, BS	Business Information Systems and Analytics
Computer Graphics Technology, BS	Applied Engineering Technology
Computer Science, BS	Computer Science
Computer Science, PhD	Computer Science
Computer Science, MS	Computer Science
Cybersecurity, MS	Computer Science
Information Technology, BS	Computer Systems Technology
Information Technology, MS	Computer Systems Technology
14 - Engineering	
Architectural Engineering, BS	Civil, Architectural and Environmental Engineering
Bioengineering, BS	Chemical, Biological and Bioengineering
Bioengineering, MS	Chemical, Biological and Bioengineering

2024 Report on the Status of STEM Distinguished Professorships

Biological Engineering, BS	Chemical, Biological and Bioengineering; Natural Resources and Environmental Design 2 Departments
Chemical Engineering, BS	Chemical, Biological and Bioengineering
Chemical Engineering, MS	Chemical, Biological and Bioengineering
Civil Engineering, BS	Civil, Architectural and Environmental Engineering
Civil Engineering, MS	Civil, Architectural and Environmental Engineering
Computational Data Science and Engineering, PhD	Computational Data Science and Engineering
Computer Engineering, BS	Electrical and Computer Engineering
Data Science and Engineering, MS	Computational Data Science and Engineering
Electrical Engineering, BS	Electrical and Computer Engineering
Electrical Engineering, PhD	Electrical and Computer Engineering
Electrical Engineering, MS	Electrical and Computer Engineering
Geomatics, BS	Built Environment
Industrial and Systems Engineering, BS	Industrial and Systems Engineering
Industrial and Systems Engineering, PhD	Industrial and Systems Engineering
Industrial and Systems Engineering, MS	Industrial and Systems Engineering
Mechanical Engineering, BS	Mechanical Engineering
Mechanical Engineering, PhD	Mechanical Engineering
Mechanical Engineering, MS	Mechanical Engineering
Nanoengineering, MS	Joint School of Nanoscience and Nanoengineering
Nanoengineering, PhD	Joint School of Nanoscience and Nanoengineering

15 - Engineering Technology

Applied Engineering Technology, BS	Applied Engineering Technology
Automotive Engineering Technology, BS	Applied Engineering Technology
Construction Management, BS	Built Environment
Electronics Technology, BS	Computer Systems Technology
Technology Management, MS	Applied Engineering Technology

26 - Biological Sciences

Biology, BS	Biology
Biology, MS	Biology

2024 Report on the Status of STEM Distinguished Professorships

27 - Math and Statistics

Applied, Mathematics, MS	Mathematics and Statistics
Engineering, Mathematics, BS	Mathematics and Statistics
Mathematics, BS	Mathematics and Statistics

29 - Military Technology

None

40 - Physical Sciences

Applied Physics, MS	Physics
Applied Science and Technology, PhD	Applied Science and Technology
Atmospheric Sciences and Meteorology, BS	Physics
Chemistry, BS	Chemistry
Chemistry, MS	Chemistry
Physics, BS	Physics
Physics, MS	Physics

51 - Health Professions

Environmental Health and Safety, BS	Built Environment
Health Services, Management, BS	School of Nursing
Physician Assistant Studies, MS	Physician Assistant

51.38 - Nursing

Nursing, BSN	School of Nursing
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2024 Report on the Status of STEM Distinguished Professorships

Appendix G: North Carolina Central University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
Environmental and Geographic Sciences, BS	Dept. of Environmental, Earth and Geospatial Sciences	
11 - Computer Science		
Information Technology, BS	Dept. of Computer and Information Sciences	
Information Sciences, MIS	School of Library and Information Sciences	
14 - Engineering		
None		
15 - Engineering Technology		
None		
26 - Biological Sciences		
Biology, BS	Dept. of Biological and Biomedical Sciences	
Biomedical Sciences, BS	Dept. of Biological and Biomedical Sciences	
Pharmaceutical Sciences, BS	Dept. of Pharmaceutical Sciences	
Pharmaceutical Sciences, MS	Dept. of Pharmaceutical Sciences	
Sports Medicine, BS	Dept. of Kinesiology and Recreation Administration	
Biological and Biomedical Sciences, MS	Dept. of Biological and Biomedical Sciences	
Integrated Biosciences, PhD	College of Health and Sciences	
27 - Math and Statistics		
Mathematics, BS	Dept. of Mathematics and Physics	
Mathematics, MS	Dept. of Mathematics and Physics	

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29 - Military Technology

None

40 - Physical Sciences

Chemistry, BS	Dept. of Chemistry and Biochemistry
Chemistry, MS	Dept. of Chemistry and Biochemistry
Environmental, Earth and Geospatial Science, MS	Dept. of Environmental, Earth and Geospatial Sciences
Physics, BS	Dept. of Mathematics and Physics
Physics, MS	Dept. of Mathematics and Physics

51 - Health Professions

Communication Sciences and Disorders, MS	Dept. of Communication Sciences and Disorders
Clinical Research, BS	Dept. of Pharmaceutical Sciences
Clinical Mental Health Counseling, MA	Dept. of Counseling and Higher Education
Public Health Education, BS	Dept. of Public Health Education
Nutrition and Dietetics, BS	Dept. of Nutritional Sciences
Nutritional Sciences, MS	Dept. of Nutritional Sciences

51.38 - Nursing

Nursing, BS	Dept. of Nursing
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Appendix H: North Carolina School of Science and Mathematics Approved STEM Degree Programs

<i>*NCSSM is not eligible for CIP codes—using departments</i>	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
None	
11 - Computer Science	
	Computer Science
	Data Science
14 - Engineering	
	Engineering
15 - Engineering Technology	
	Engineering
	Tech Entrepreneurship
26 - Biological Sciences	
	Biology
27 - Math and Statistics	
	Mathematics
29 - Military Technology	
None	
40 - Physical Sciences	
	Chemistry
	Physics
51 - Health Professions	
None	
51.38 - Nursing	
None	

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Appendix I: North Carolina State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
Agricultural and Extension Education, EDD	Agricultural and Human Sciences
Agricultural and Extension Education, MS	Agricultural and Human Sciences
Agricultural Business Management, BS	Agricultural and Resource Economics
Agricultural Education and Human Sciences, MR	Agricultural and Human Sciences
Agricultural Education and Human Sciences, MS	Agricultural and Human Sciences
Agricultural Science, BS	Agricultural and Resource Economics
Agroecology and Sustainable Food Systems, BS	Crop and Soil Sciences
Animal Science, BS	Animal Science
Animal Science, MR	Animal Science
Animal Science, MS	Animal Science
Animal Science and Poultry Science, PhD	Animal Science
Biological and Agricultural Engineering Technology, BS	Biological and Agricultural Engineering
Crop and Soil Sciences, BS	Crop and Soil Sciences
Crop Science, MR	Crop and Soil Sciences
Crop Science, MS	Crop and Soil Sciences
Crop Science, PhD	Crop and Soil Sciences
Extension Education, BS	Agricultural and Human Sciences
Food Science, BS	Food Bioprocessing and Nutrition Sciences
Food Science, MR	Food Bioprocessing and Nutrition Sciences
Food Science, MS	Food Bioprocessing and Nutrition Sciences
Food Science, PhD	Food Bioprocessing and Nutrition Sciences
Horticultural Science, BS	Horticultural Science
Horticultural Science, MR	Horticultural Science
Horticultural Science, MS	Horticultural Science

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Horticultural Science, PhD
Poultry Science, BS
Poultry Science, MR
Poultry Science, MS
Poultry Science, PhD
Soil Science, MR
Soil Science, MS
Soil Science, PhD
Turfgrass Science, BS

Horticultural Science
Prestage Poultry Science
Prestage Poultry Science
Prestage Poultry Science
Prestage Poultry Science
Crop and Soil Sciences
Crop and Soil Sciences
Crop and Soil Sciences
Crop and Soil Sciences

03 - Natural Resources

Climate Change and Society, MR
Environmental Assessment, MR
Fisheries, Wildlife, and Conservation Biology, BS
Fisheries, Wildlife, and Conservation Biology, MR
Fisheries, Wildlife, and Conservation Biology, MS
Fisheries, Wildlife, and Conservation Biology, PhD
Fisheries, Wildlife, and Conservation Biology, MS
Fisheries, Wildlife, and Conservation Biology, PhD
Forest Biomaterials, MR
Forest Biomaterials, MS
Forest Biomaterials, PhD
Forest Management, BS
Forestry and Environmental Resources, PhD
Forestry, MR
Forestry, MS
Natural Resources, BS
Natural Resources, MR
Natural Resources, MS

Marine, Earth and Atmospheric Sciences
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Marine, Earth, and Atmospheric Sciences
Biology
Forest Biomaterials
Forest Biomaterials
Forest Biomaterials
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources
Forestry & Environmental Resources

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Paper Science and Engineering, BS
Sustainable Materials and Technology, BS

Forest Biomaterials
Forest Biomaterials

11 - Computer Science

Analytics, MS
Computer Networking, MS
Computer Networking, MS
Computer Science, BS
Computer Science, MR
Computer Science, MS
Computer Science, PhD
Industrial Design, MR

Advanced Analytics
Electrical and Computer Engineering
Computer Science
Computer Science
Computer Science
Computer Science
Computer Science
Computer Science

14 - Engineering

Aerospace Engineering, BS
Aerospace Engineering, MS
Aerospace Engineering, PhD
Biological and Agricultural Engineering, MR
Biological and Agricultural Engineering, MS
Biological and Agricultural Engineering, PhD
Biological Engineering, BS
Biomedical and Health Sciences
Engineering, BS - Joint with UNC-CH
Biomedical Engineering - Joint with UNC-CH, MS
Biomedical Engineering Joint with UNC-CH, PhD
Chemical Engineering, BS
Chemical Engineering, MR
Chemical Engineering, MS
Chemical Engineering, PhD
Civil Engineering, BS

Mechanical and Aerospace Engineering
Mechanical and Aerospace Engineering
Mechanical and Aerospace Engineering
Biological and Agricultural Engineering
Biological and Agricultural Engineering
Biological and Agricultural Engineering
Biological and Agricultural Engineering
Biomedical Engineering
Biomedical Engineering
Biomedical Engineering
Chemical & Biomolecular Engineering
Chemical & Biomolecular Engineering
Chemical & Biomolecular Engineering
Chemical & Biomolecular Engineering
Civil Engineering

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Civil Engineering, MR	Civil Engineering
Civil Engineering, MS	Civil Engineering
Civil Engineering, PhD	Civil Engineering
Computer Engineering, BS	Electrical and Computer Engineering
Computer Engineering, MS	Electrical and Computer Engineering
Computer Engineering, PhD	Electrical and Computer Engineering
Construction Engineering, BS	Civil Engineering
Electric Power Systems Engineering, MS	Electrical and Computer Engineering
Electrical Engineering, BS	Electrical and Computer Engineering
Electrical Engineering, MS	Electrical and Computer Engineering
Electrical Engineering, PhD	Electrical and Computer Engineering
Engineering including the Joint Program with UNCA, BS	College of Engineering, Dean's Office
Engineering, MR	College of Engineering, Dean's Office
Environmental Engineering, MR	Civil Engineering
Environmental Engineering, MS	Civil Engineering
Environmental Engineering, BS	Civil Engineering
Fashion and Textile Design, BS	Textile and Apparel Management TAM
Fashion and Textile, Management, BS	Textile and Apparel Management TAM
Fiber and Polymer Science, PhD	Textiles Dean's Office
Industrial Engineering, Furniture Manufacturing, BS	Fitts Dept of Industrial and Systems Engineering
Industrial Engineering, MR	Fitts Dept of Industrial and Systems Engineering
Industrial Engineering, MS	Fitts Dept of Industrial and Systems Engineering
Industrial Engineering, PhD	Fitts Dept of Industrial and Systems Engineering
Integrated Manufacturing Systems Engineering, MR	Fitts Dept of Industrial and Systems Engineering
Integrated Manufacturing Systems Engineering, MR	Chemical Engineering
Integrated Manufacturing Systems Engineering, MR	Civil Engineering
Integrated Manufacturing Systems Engineering, MR	Computer Science
Integrated Manufacturing Systems Engineering, MR	Electrical and Computer Engineering
Integrated Manufacturing Systems Engineering, MR	Forest Biomaterials

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Integrated Manufacturing Systems Engineering, MR
Integrated Manufacturing Systems Engineering, MR
Integrated Manufacturing Systems Engineering, MR
Integrated Manufacturing Systems Engineering, MR
Materials Science and Engineering, BS
Materials Science and Engineering, MR
Materials Science and Engineering, MS
Materials Science and Engineering, PhD
Mechanical Engineering, BS
Mechanical Engineering, MS
Mechanical Engineering, PhD
Nanoengineering, MR
Nuclear Engineering, BS
Nuclear Engineering, MR
Nuclear Engineering, MS
Nuclear Engineering, PhD
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MR
Operations Research, MS
Operations Research, MS
Operations Research, MS
Operations Research, MS
Operations Research, MS
Operations Research, MS
Operations Research, MS

Materials Engineering
Mechanical and Aerospace Engineering
Nuclear Engineering
Textiles Dean's Office
Materials Science and Engineering
Materials Science and Engineering
Materials Science and Engineering
Materials Science and Engineering
Mechanical and Aerospace Engineering
Mechanical and Aerospace Engineering
Mechanical and Aerospace Engineering
Materials Science and Engineering
Nuclear Engineering
Nuclear Engineering
Nuclear Engineering
Nuclear Engineering
College of Engineering, Dean's Office
Civil Engineering
Computer Science
Electrical and Computer Engineering
Fitts Dept of Industrial and Systems Engineering
Mathematics
Operations Research
Statistics
College of Engineering, Dean's Office
Civil Engineering
Computer Science
Electrical and Computer Engineering
Fitts Dept of Industrial and Systems Engineering
Mathematics

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Operations Research, MS	Operations Research
Operations Research, MS	Statistics
Operations Research, PhD	College of Engineering, Dean's Office
Operations Research, PhD	Civil Engineering
Operations Research, PhD	Computer Science
Operations Research, PhD	Electrical and Computer Engineering
Operations Research, PhD	Fitts Dept of Industrial and Systems Engineering
Operations Research, PhD	Mathematics
Operations Research, PhD	Operations Research
Operations Research, PhD	Statistics
Polymer and Color Chemistry, BS	Textile Engineering, Chemistry and Science TECS
Textile Chemistry, MS	Textile Engineering, Chemistry and Science TECS
Textile Engineering, BS	Textile Engineering, Chemistry and Science TECS
Textile Engineering, MS	Textile Engineering, Chemistry and Science TECS
Textile Technology and Management, PhD	Textiles Dean's Office
Textile Technology, BS	Textile Engineering, Chemistry and Science TECS
Textiles, MR	Textile and Apparel Management TAM
Textiles, MS	Textile and Apparel Management TAM

15 - Engineering Technology

Environmental Technology and Management, BS	Fitts Dept of Industrial and Systems Engineering
Engineering Management, MR	Fitts Dept of Industrial and Systems Engineering

26 - Biological Sciences

Biochemistry, BS	Biochemistry
Biochemistry, MR	Biochemistry
Biochemistry, MS	Biochemistry
Biochemistry, PhD	Biochemistry
Bioinformatics, MR	Interdisciplinary Program
Bioinformatics, MR	Animal Science

2024 Report on the Status of STEM Distinguished Professorships

[illegible]

Biochemistry
Chemical Engineering
College of Veterinary Medicine Dean's Office
Computer Science
College of Sciences, Dean's Office
Crop and Soil Science
Entomology & Plant Pathology
Food Bioprocessing and Nutrition Sciences
Forestry
Horticultural Science
Microbiology
Physics
Plant & Microbial Biology
Statistics
Interdisciplinary Program
Animal Science
Biochemistry
Chemical Engineering
College of Veterinary Medicine Dean's Office
Computer Science
College of Sciences, Dean's Office
Crop and Soil Science
Entomology & Plant Pathology
Food Bioprocessing and Nutrition Sciences
Forestry
Horticultural Science
Microbiology
Physics
Plant & Microbial Biology
Statistics

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Biological Sciences, BA	Biological Sciences
Biological Sciences, BS	Biological Sciences
Biology, MR	Applied Ecology
Biology, MR	Biological Sciences
Biology, MS	Applied Ecology
Biology, PhD	Applied Ecology
Biology, PhD	Biological Sciences
Biomanufacturing, MR	College of Engineering, Dean's Office
Biomanufacturing, MS	College of Engineering, Dean's Office
Biomathematics, MR	Interdisciplinary Program
Biomathematics, MR	Agricultural and Life Sciences
Biomathematics, MR	Mathematics
Biomathematics, MS	Interdisciplinary Program
Biomathematics, MS	Agricultural and Life Sciences
Biomathematics, MS	Mathematics
Biomathematics, MS	Statistics
Biomathematics, PhD	Interdisciplinary Program
Biomathematics, PhD	Agricultural and Life Sciences
Biomathematics, PhD	Mathematics
Biomathematics, PhD	Statistics
Entomology, MR	Entomology & Plant Pathology
Entomology, MS	Entomology & Plant Pathology
Entomology, PhD	Entomology & Plant Pathology
Functional Genomics, MR	Biological Sciences
Functional Genomics, MR	College of Veterinary Medicine Dean's Office
Functional Genomics, MR	Computer Science
Functional Genomics, MR	COS Dean's Office
Functional Genomics, MR	Forestry
Functional Genomics, MR	Physics
Functional Genomics, MS	Biological Sciences

2024 Report on the Status of STEM Distinguished Professorships

Functional Genomics, MS	College of Veterinary Medicine Dean's Office
Functional Genomics, MS	Computer Science
Functional Genomics, MS	COS Dean's Office
Functional Genomics, MS	Forestry
Functional Genomics, MS	Physics
Functional Genomics, MS	Animal Science
Functional Genomics, PhD	Biological Sciences
Functional Genomics, PhD	College of Veterinary Medicine Dean's Office
Functional Genomics, PhD	Computer Science
Functional Genomics, PhD	COS Dean's Office
Functional Genomics, PhD	Food Bioprocessing and Nutrition Sciences
Functional Genomics, PhD	Forestry
Functional Genomics, PhD	Physics
Genetics, BS	Biological Sciences
Genetics, MR	Biological Sciences
Genetics, MR	Agricultural and Life Sciences
Genetics, MR	College of Engineering, Dean's Office
Genetics, MR	College of Veterinary Medicine Dean's Office
Genetics, MR	Forestry
Genetics, MS	Biological Sciences
Genetics, MS	Agricultural and Life Sciences
Genetics, MS	College of Engineering, Dean's Office
Genetics, MS	College of Veterinary Medicine Dean's Office
Genetics, MS	Forestry
Genetics, PhD	Biological Sciences
Genetics, PhD	Agricultural and Life Sciences
Genetics, PhD	College of Engineering, Dean's Office
Genetics, PhD	College of Veterinary Medicine Dean's Office
Genetics, PhD	Forestry
Microbial Biotechnology, MR	College of Engineering, Dean's Office

2024 Report on the Status of STEM Distinguished Professorships

Microbiology, BS	Biological Sciences
Microbiology, MR	Biological Sciences
Microbiology, MS	Biological Sciences
Microbiology, PhD	Biological Sciences
Physiology, MR	Interdisciplinary Program
Physiology, MR	Agricultural and Life Sciences
Physiology, MR	Animal Science
Physiology, MR	College of Veterinary Medicine Dean's Office
Physiology, MR	Prestage Dept of Poultry Science
Physiology, MR	Zoology
Physiology, MS	Interdisciplinary Program
Physiology, MS	Agricultural and Life Sciences
Physiology, MS	Animal Science
Physiology, MS	College of Veterinary Medicine Dean's Office
Physiology, MS	Prestage Dept of Poultry Science
Physiology, MS	Zoology
Plant Biology, BS	Plant & Microbial Biology
Plant Biology, MR	Plant & Microbial Biology
Plant Biology, MS	Plant & Microbial Biology
Plant Biology, PhD	Plant & Microbial Biology
Plant Pathology, MR	Entomology & Plant Pathology
Plant Pathology, MS	Entomology & Plant Pathology
Plant Pathology, PhD	Entomology & Plant Pathology
Toxicology, MR	Interdisciplinary Program
Toxicology, MR	Biological Sciences
Toxicology, MR	College of Veterinary Medicine Dean's Office
Toxicology, MS	Biological Sciences
Toxicology, MS	College of Veterinary Medicine Dean's Office
Toxicology, PhD	Biological Sciences
Toxicology, PhD	Agricultural and Life Sciences

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Toxicology, PhD
Zoology, BS

College of Veterinary Medicine Dean's Office
Biological Sciences

27 - Math and Statistics

Applied, Mathematics, BS	Mathematics
Applied, Mathematics, MS	Mathematics
Applied, Mathematics, PhD	Mathematics
Financial, Mathematics, MR	Mathematics
Financial, Mathematics, MR	Fitts Dept of Industrial and Systems Engineering
Financial, Mathematics, MR	Statistics
Mathematics, BS	Mathematics
Mathematics, MS	Mathematics
Mathematics, PhD	Mathematics
Statistics, BS	Statistics
Statistics, MR	Statistics
Statistics, MS	Statistics
Statistics, PhD	Statistics

29 - Military Technology

None

40 - Physical Sciences

Chemistry, BA	Chemistry
Chemistry, BS	Chemistry
Chemistry, MS	Chemistry
Chemistry, PhD	Chemistry
Geology, BS	Marine, Earth and Atmospheric Sciences
Marine Science, BS	Marine, Earth and Atmospheric Sciences
Marine, Earth and Atmospheric Sciences, MS	Marine, Earth and Atmospheric Sciences
Marine, Earth and Atmospheric Sciences, MS	Marine, Earth and Atmospheric Sciences

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Marine, Earth and Atmospheric Sciences, PhD	Marine, Earth and Atmospheric Sciences
Meteorology, BS	Marine, Earth and Atmospheric Sciences
Physics, BA	Physics
Physics, BS	Physics
Physics, MS	Physics
Physics, PhD	Physics

51 - Health Professions

Comparative Biomedical Sciences, MS, PhD	College of Veterinary Medicine
Veterinary Medicine, DVM	College of Veterinary Medicine

51.38 - Nursing

None

2024 Report on the Status of STEM Distinguished Professorships

Appendix J: University of North Carolina Asheville's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
Environmental Studies, BS	Environmental Studies	
11 - Computer Science		
Computer Science, BS	Computer Science	
14 - Engineering		
Engineering (joint with NC State), BS	Engineering	
15 - Engineering Technology		
None		
26 - Biological Sciences		
Biology, BS	Biology	
27 - Math and Statistics		
Mathematics, BA	Mathematics and Statistics	
29 - Military Technology		
None		
40 - Physical Sciences		
Atmospheric Science and Meteorology, BS	Atmospheric Science	
Chemistry, BA	Chemistry	
Chemistry, BS	Chemistry	
Physics, BS	Physics and Astronomy	

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51 - Health Professions

Health and Wellness Promotion, BS	Health and Wellness Promotion
Public Health (joint with UNC-Chapel Hill), MPH	

51.38 - Nursing

None

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Appendix K: University of North Carolina at Chapel Hill's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
Environmental Studies, BA	Environment, Ecology, & Energy	
Environmental Sciences, BS	Environmental Science & Engineering	
Environmental Sciences and Engineering, MSEE	Environmental Science & Engineering	
Environmental Sciences and Engineering, MS	Environmental Science & Engineering	
Environmental Sciences and Engineering, MSPH	Environmental Science & Engineering	
Environmental Sciences and Engineering, PhD	Environmental Science & Engineering	
11 - Computer Science		
Information Science, BSIS	School of Information & Library Science	
Information Science, MSIS	School of Information & Library Science	
Information and Library Science, PhD	School of Information & Library Science	
Computer Science, BA	Computer Science	
Computer Science, BS	Computer Science	
Computer Science, MS	Computer Science	
Computer Science, PhD	Computer Science	
14 - Engineering		
Biomedical Engineering - Joint with NC State, BS	Biomedical Engineering	
Biomedical Engineering - Joint with NC State, MS	Biomedical Engineering	
Biomedical Engineering - Joint with NC State, PhD	Biomedical Engineering	
15 - Engineering Technology		

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None

26 - Biological Sciences

Biology, BA	Biology
Biology, BS	Biology
Biology, MA	Biology
Biology, MS	Biology
Biology, PhD	Biology
Biology - Joint with National University of Singapore, BS	Biology
Oral and Craniofacial Biomedicine, MS	School of Dentistry
Oral and Craniofacial Biomedicine, PhD	School of Dentistry
Biochemistry and Biophysics, MS	Biochemistry and Biophysics
Biochemistry and Biophysics, PhD	Biochemistry and Biophysics
Microbiology and Immunology, MS	Microbiology and Immunology
Microbiology and Immunology, PhD	Microbiology and Immunology
Genetics and Molecular Biology, MS	Genetics
Genetics and Molecular Biology, PhD	Genetics
Cell Biology and Physiology, MS	Cell Biology and Physiology
Cell Biology and Physiology, PhD	Cell Biology and Physiology
Pathology, MS	Pathology & Laboratory Medicine
Pathology, PhD	Pathology & Laboratory Medicine
Pharmacology, MS	Pharmacology
Pharmacology, PhD	Pharmacology
Toxicology, MPS	Curriculum in Toxicology & Environmental Medicine
Toxicology, MS	Curriculum in Toxicology & Environmental Medicine
Toxicology, PhD	Curriculum in Toxicology & Environmental Medicine
Biostatistics, BSPH	Biostatistics
Biostatistics, MS	Biostatistics
Biostatistics, MSPH	Biostatistics

2024 Report on the Status of STEM Distinguished Professorships

Biostatistics, DRPH	Biostatistics
Biostatistics, PhD	Biostatistics
Bioinformatics and Computational Biology, MS	Genetics
Bioinformatics and Computational Biology, PhD	Genetics
Ecology, MA	Environment, Ecology and Energy Program
Ecology, MS	Environment, Ecology and Energy Program
Ecology, PhD	Environment, Ecology and Energy Program
Epidemiology, MSPH	Epidemiology
Epidemiology, PhD	Epidemiology
Neuroscience, BS	Psychology & Neuroscience
Neuroscience, MS	Neuroscience
Neuroscience, PhD	Neuroscience

27 - Math and Statistics

Mathematics, BA	Mathematics
Mathematics, BS	Mathematics
Mathematics, MA	Mathematics
Mathematics, MS	Mathematics
Mathematics, PhD	Mathematics
Statistics and Analytics, BS	Statistics and Operations Research
Statistics and Operations Research, PhD	Statistics and Operations Research
Statistics, Analytics and Data Science, MS	Statistics and Operations Research

29 - Military Technology

None

40 - Physical Sciences

Chemistry, BA	Chemistry
Chemistry, BS	Chemistry
Chemistry, MA	Chemistry
Chemistry, MS	Chemistry

2024 Report on the Status of STEM Distinguished Professorships

Chemistry, PhD	Chemistry
Geological Sciences, BA	Earth, Marine, & Environmental Sciences
Earth and Marine Sciences, BS	Earth, Marine, & Environmental Sciences
Earth and Marine Sciences, MS	Earth, Marine, & Environmental Sciences
Earth and Marine Sciences, PhD	Earth, Marine, & Environmental Sciences
Physics, BA	Physics & Astronomy
Physics, BS	Physics & Astronomy
Physics, MS	Physics & Astronomy
Physics, PhD	Physics & Astronomy
Materials Science, MS	Applied Physical Sciences
Materials Science, PhD	Applied Physical Sciences
Applied Science, BS	Applied Physical Sciences

51 - Health Professions

Audiology, AUD	Health Sciences
Speech and Hearing Sciences, MS	Health Sciences
Speech and Hearing Sciences, PhD	Health Sciences
Dentistry, DDS	School of Dentistry
Dental Hygiene Education, MS	School of Dentistry
Endodontics, MS	School of Dentistry
Operative Dentistry and Biomaterials, MS	School of Dentistry
Oral and Maxillofacial Pathology, MS	School of Dentistry
Oral and Maxillofacial Radiology, MS	School of Dentistry
Orthodontics, MS	School of Dentistry
Pediatric Dentistry, MS	School of Dentistry
Periodontology, MS	School of Dentistry
Prosthodontics, MS	School of Dentistry
Postdoctoral Dental Specialty Foundation, PDC	School of Dentistry
Dental Hygiene, BS	School of Dentistry
Dental Hygiene, 2C	School of Dentistry

2024 Report on the Status of STEM Distinguished Professorships

Health Policy and Management, BSPH	Health Policy and Management
Health Policy and Management, MHA	Health Policy and Management
Health Policy and Management, MSPH	Health Policy and Management
Health Policy and Management, DRPH	Health Policy and Management
Health Policy and Management, PhD	Health Policy and Management
Disaster Management, MSDM	Health Policy and Management
Radiography, 2C	Health Sciences
Radiologic Science, BS	Health Sciences
Physician Assistant Studies, MHS	Health Sciences
Neurodiagnostics and Sleep Science, BS	Health Sciences
Radiologic Science	Health Sciences
Clinical Laboratory Science, BS	Health Sciences
Medicine	Medicine
Clinical Research, MSCR	Epidemiology
Clinical Mental Health Counseling, MS	Health Sciences
Pharmacy, PHARM.D	School of Pharmacy
Pharmaceutical Sciences, MS	School of Pharmacy
Pharmaceutical Sciences, PhD	School of Pharmacy
Master of Public Health, MPH	School of Public Health
Public Health, MPH	School of Public Health
Environmental Health Sciences, BSPH	Environmental Science & Engineering
Health Behavior, MSPH	Health Behavior
Health Behavior, DRPH	Health Behavior
Health Behavior, PhD	Health Behavior
Maternal and Child Health, PhD	Maternal and Child Health
Occupational Science, MS	Health Sciences
Occupational Science, PhD	Health Sciences
Occupational Therapy, MS	Health Sciences
Physical Therapy, DPT	Health Sciences
Clinical Rehabilitation Counseling, MS	Health Sciences

2024 Report on the Status of STEM Distinguished Professorships

Biomedical and Health Informatics, MPS	School of Information & Library Science
Health Informatics, PhD	School of Information & Library Science
Human Movement Science, MS	Exercise & Sport Science
Human Movement Science, PhD	Exercise & Sport Science

51.38 - Nursing

Nursing, BSN	School of Nursing
Nursing, PhD	School of Nursing
Nursing Practice, DNP	School of Nursing
Adult-Gerontology Acute Care NP, PM	School of Nursing
Adult/Gerontology Nurse Practitioner, PM	School of Nursing
Family Nurse Practitioner, PM	School of Nursing
Health Care Leadership and Administration, PM	School of Nursing
Nursing, MSN	School of Nursing
Pediatric Nurse Practitioner, PM	School of Nursing
Psychiatric/Mental Health Nurse Practitioner, PM	School of Nursing
Medical Science, MS	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix L: University of North Carolina at Charlotte's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
None	
11 - Computer Science	
Computing and Information Systems, PhD	Computer Science Software and Information Systems Bioinformatics and Genomics Business Information Systems and Operations, Management
Information Technology, MS	Computer Science Software and Information Systems
Management Information Systems, BSBA	Business Information Systems and Operations Management
Computer Science, BA	Computer Science Software and Information Systems
Computer Science, BS	Computer Science Software and Information Systems
Computer Science, MS	Computer Science Software and Information Systems
Cybersecurity, MS	Computer Science Software and Information Systems
14 - Engineering	
Engineering (General Off Campus Only), ME	Civil and Environmental Engineering Mechanical Engineering and Engineering Science Electrical and Computer Engineering
Engineering, General, MSE	Civil and Environmental Engineering Mechanical Engineering and Engineering Science Electrical and Computer Engineering

2024 Report on the Status of STEM Distinguished Professorships

Civil Engineering, BSCE	Civil and Environmental Engineering
Civil Engineering, MSCE	Civil and Environmental Engineering
Civil Engineering, PhD	Civil and Environmental Engineering
Computer Engineering, MS	Electrical and Computer Engineering
Computer Engineering, BSCPE	Electrical and Computer Engineering
Electrical Engineering, BSEE	Electrical and Computer Engineering
Electrical Engineering, MSEE	Electrical and Computer Engineering
Electrical Engineering, PhD	Electrical and Computer Engineering
Environmental Engineering, BS	Civil and Environmental Engineering
Mechanical Engineering, BSME	Mechanical Engineering and Engineering Science
Mechanical Engineering, MSME	Mechanical Engineering and Engineering Science
Mechanical Engineering, PhD	Mechanical Engineering and Engineering Science
Systems Engineering, BSSE	Systems Engineering and Engineering Management
Construction and Facilities Engineering, MS	Engineering Technology and Construction Management
Applied Energy & Electromechanical Engineering, MS	Engineering Technology and Construction Management

15 - Engineering Technology

Engineering Technology, Civil, BSET	Engineering Technology and Construction Management
Engineering Technology, Electrical, BSET	Engineering Technology and Construction Management
Engineering Technology, Mechanical, BSET	Engineering Technology and Construction Management
Engineering Management, MS	Engineering Technology and Construction Management
Construction Management, BSCM	Engineering Technology and Construction Management
Fire and Safety Engineering Technology, BSET	Engineering Technology and Construction Management
Fire Protection and Safety, Management, MS	Engineering Technology and Construction Management

2024 Report on the Status of STEM Distinguished Professorships

26 - Biological Sciences

Biology, BA	Biological Sciences
Biology, BS	Biological Sciences
Biology, MS	Biological Sciences
Biology, PhD	Biological Sciences
Exercise Science, BS	Kinesiology
Bioinformatics and Genomics, MS	Bioinformatics and Genomics
Bioinformatics and Genomics and Computational Biology, PhD	Bioinformatics and Genomics

27 - Math and Statistics

Mathematics, BA	Mathematics and Statistics
Mathematics, BS	Mathematics and Statistics
Mathematics, MS	Mathematics and Statistics
Applied Mathematics, PhD	Mathematics and Statistics
Mathematical Finance, MS	Mathematics and Statistics
Mathematics for Business, BA	Mathematics and Statistics
Mathematics for Business, BS	Mathematics and Statistics

29 - Military Technology

None

40 - Physical Sciences

Meteorology, BS	Geography and Earth Sciences
Chemistry, BA	Chemistry
Chemistry, BS	Chemistry
Chemistry, MS	Chemistry
Environmental Studies, BA	Geography and Earth Sciences
Earth Sciences, MS	Geography and Earth Sciences

2024 Report on the Status of STEM Distinguished Professorships

Earth and Environmental Sciences, BS
 Geology, BS
 Applied Physics, MS
 Physics, BA
 Physics, BS
 Optical Science and Engineering, MS

Optical Science and Engineering, PhD

Nanoscale Science, PhD

Geography and Earth Sciences
 Geography and Earth Sciences
 Physics and Optical Science
 Physics and Optical Science
 Physics and Optical Science
 Physics and Optical Science
 Chemistry
 Mathematics & Statistics
 Electrical and Computer Engineering
 Bioinformatics and Genomics
 Mechanical Engineering and Engineering Science
 Physics and Optical Science
 Chemistry
 Mathematics and Statistics
 Electrical and Computer Engineering
 Bioinformatics and Genomics and Genomics
 Mechanical Engineering and Engineering Science
 Chemistry
 Physics and Optical Science
 Mechanical Engineering and Engineering Science
 Electrical and Computer Engineering

51 - Health Professions

Health Systems Management, BS
 Health Administration, MHA
 Respiratory Care, MS
 Respiratory Therapy, BSRT
 Athletic Training, MSAT
 Epidemiology, PhD
 Public Health, BSPH
 Public Health, MPH
 Public Health Sciences, PhD

Public Health Science
 Public Health Sciences
 Kinesiology
 Kinesiology
 Kinesiology
 Public Health Sciences
 Public Health Science
 Public Health Science
 Public Health Sciences

2024 Report on the Status of STEM Distinguished Professorships

Kinesiology, MS	Kinesiology
Health Informatics and Analytics, MS	Computer Science
	Software and Information Systems
	School of Data Science
	Public Health Science

51.38 - Nursing

Nursing, BSN	School of Nursing
Nursing, MSN	School of Nursing
Doctor of Nursing Practice, DNP	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix M: University of North Carolina at Greensboro's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
Environment & Sustainability, BA	Geography, Environment, and Sustainability	
Sustainability & Environment, MS	Geography, Environment, and Sustainability	
11 - Computer Science		
Computer Science, BS	Computer Science	
Computer Science, MS	Computer Science	
Computer Science, PhD	Computer Science	
Information Science, BS	Information, Library, and Research Science	
Information Systems and Supply Chain Management, BS	Information Systems and Supply Chain Management	
Information Technology and Management, MS	Information Systems and Supply Chain Management	
Information Systems, PhD	Information Systems and Supply Chain Management	
Informatics and Analytics, MS	Dean's Office - College of Arts and Sciences	
14 - Engineering		
None		
15 - Engineering Technology		
None		
26 - Biological Sciences		
Biology, BA	Biology	
Biology, BS	Biology	
Biochemistry, BS	Chemistry and Biochemistry	
Biology, MS	Biology	
Genetic Counseling, MS	Genetic Counseling	

2024 Report on the Status of STEM Distinguished Professorships

Chemistry and Biochemistry, PhD
Environmental Health Science, PhD

Chemistry and Biochemistry
Biology

27 - Math and Statistics

Mathematics, BA
Mathematics, BS
Mathematics, MA
Applied Statistics, MS
Computational Mathematics, PhD

Mathematics and Statistics
Mathematics and Statistics
Mathematics and Statistics
Mathematics and Statistics
Mathematics and Statistics

29 - Military Technology

None

40 - Physical Sciences

Chemistry, BA
Chemistry, BS
Physics, BA
Physics, BS
Chemistry, MS
Nanoscience, MS
Nanoscience, PhD

Chemistry and Biochemistry
Chemistry and Biochemistry
Physics and Astronomy
Physics and Astronomy
Chemistry and Biochemistry
Nanoscience and Nanoengineering
Nanoscience and Nanoengineering

51 - Health Professions

Human Health Sciences, BS
Public Health Education, BS
Speech Pathology and Audiology, BS
Speech Language Pathology, MA
Community Health Education MPH
Athletic Training, MSAT
Health Management, MSN/MBA
Communication Sciences and Disorders, PhD
Community Health Education, PhD

Dean's Office - School of Health and Human Sciences
Public Health Education
Communication Sciences and Disorders
Communication Sciences and Disorders
Public Health Education
Kinesiology
Nursing and Bryan School of Business
Communication Sciences and Disorders
Public Health Education

2024 Report on the Status of STEM Distinguished Professorships

51.38 - Nursing	
Nursing, BSN	Nursing
Nursing, MSN	Nursing
Nursing, PhD	Nursing
Nursing DNP	Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix N: University of North Carolina at Pembroke's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
Environmental Science, BS	Department of Biology
Geo-Environmental Studies, BS	Department of Geology and Geography
11 - Computer Science	
Cybersecurity, BS	Department of Mathematics and Computer Science
Computer Science, BS	Department of Mathematics and Computer Science
Information Technology, BS	Department of Mathematics and Computer Science
14 - Engineering	
None	
15 - Engineering Technology	
None	
26 - Biological Sciences	
Biology, BS	Department of Biology
27 - Math and Statistics	
Mathematics, BS	Department of Mathematics and Computer Science
29 - Military Technology	
None	
40 - Physical Sciences	
Applied Physics, BS	Department of Physics and Chemistry
Chemistry, BS	Department of Physics and Chemistry
51 - Health Professions	
Athletic Training, MSAT	Department of Kinesiology
Occupational Therapy, MSOT	Department of Kinesiology

2024 Report on the Status of STEM Distinguished Professorships

51.38 - Nursing	
Nursing, BSN	School of Nursing
Nursing, MSN	School of Nursing
Nursing DNP	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix O: University of North Carolina School of the Arts Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
None	
11 - Computer Science	
None	
14 - Engineering	
None	
15 - Engineering Technology	
None	
26 - Biological Sciences	
None	
27 - Math and Statistics	
None	
29 - Military Technology	
None	
40 - Physical Sciences	
None	
51 - Health Professions	
None	
49.0101 Aeronautics/Aviation/Aerospace Science and Technology	
None	
51.38 - Nursing	
None	

2024 Report on the Status of STEM Distinguished Professorships

Appendix P: University of North Carolina Wilmington's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
Environmental Studies, MS	Environmental Sciences
Environmental Science, BA	Environmental Sciences
Environmental Sciences, BS	Environmental Sciences
Coastal and Ocean Policy, MS	Public and International Affairs
11 - Computer Science	
Computer Science and Information Systems, MS	Computer Science
Information Technology, BS	Computer Science/ Congdon School of Supply Chain, Business Analytics and Information Systems
Computer Science, BS	Computer Science
Data Science, MS	Computer Science/Mathematics and Statistics
Digital Arts, BA	Computer Science/Art and Art History
Cybersecurity, BS	Computer Science/Congdon School of Supply Chain, Business Analytics and Information Systems
14 - Engineering	
Coastal Engineering, BS	Physics and Physical Oceanography
Intelligent Systems Engineering, BS	Computer Science
15 - Engineering Technology	
None	

2024 Report on the Status of STEM Distinguished Professorships

26 - Biological Sciences

Biology, BA	Biology and Marine Biology
Biology, MS	Biology and Marine Biology
Biology, BS	Biology and Marine Biology
Biochemistry, BS	Chemistry and Biochemistry
Marine Biology, BS	Biology and Marine Biology
Marine Biology, MS	Biology and Marine Biology
Integrative, Comparative, and Marine Biology, PhD	Biology and Marine Biology

27 - Math and Statistics

Mathematics, BA	Mathematics and Statistics
Mathematics, MS	Mathematics and Statistics
Mathematics, BS	Mathematics and Statistics
Statistics, BS	Mathematics and Statistics

29 - Military Technology

None

40 - Physical Sciences

Chemistry, MS	Chemistry and Biochemistry
Chemistry, General, BA	Chemistry and Biochemistry
Chemistry, General, BS	Chemistry and Biochemistry
Geology, BS	Earth and Ocean Sciences
Geosciences, BA	Earth and Ocean Sciences
Geoscience, MS	Earth and Ocean Sciences
Marine Science, MS	Center for Marine Science/ Graduate School
Oceanography, BS	Earth and Ocean Sciences
Physics, BA	Physics and Physical Oceanography
Physics, BS	Physics and Physical Oceanography

2024 Report on the Status of STEM Distinguished Professorships

51 - Health Professions

Respiratory Therapy, BS	School of Health and Applied Human Sciences
Master of Health Administration, MHA	School of Health and Applied Human Sciences
Athletic Training, BA	School of Health and Applied Human Sciences
Athletic Training, MS	School of Health and Applied Human Sciences
Pharmaceutical Chemistry, PhD	Chemistry and Biochemistry
Public Health, BS	School of Health and Applied Human Sciences
Recreation Therapy, BA	School of Health and Applied Human Sciences
Clinical Research, BS	School of Nursing
Clinical Research and Product Development, MS	School of Nursing

51.38 - Nursing

Nursing, BS	School of Nursing
Nursing, MSN	School of Nursing
Doctor of Nursing Practice, DNP	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix Q: Western Carolina University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program
01 - Agriculture	
None	
03 - Natural Resources	
Environmental Science, BS	Geosciences and Natural Resources
Natural Resource Conservation and Management, BS	Geosciences and Natural Resources
11 - Computer Science	
Computer Science, BS	Mathematics and Computer Science
14 - Engineering	
Engineering, BS	School of Engineering and Technology
Electrical Engineering, BSEE	School of Engineering and Technology
15 - Engineering Technology	
Engineering Technology, BS	School of Engineering and Technology
Engineering Technology, MS	School of Engineering and Technology
Electrical and Computer Engineering Technology, BS	School of Engineering and Technology
Construction Management, BS	Kimmel School of Construction Management
Construction Management, MCM	Kimmel School of Construction Management
26 - Biological Sciences	
Biology, BS	Biology
Biology, MS	Biology
27 - Math and Statistics	
Mathematics, BS	Mathematics and Computer Science

2024 Report on the Status of STEM Distinguished Professorships

29 - Military Technology

None

40 - Physical Sciences

Chemistry, BS	Chemistry and Physics
Chemistry, MS	Chemistry and Physics
Forensic Science, BS	Chemistry and Physics
Geology, BS	Geosciences and Natural Resources

51 - Health Professions

Integrated Health Sciences, BS	School of Health Sciences
51.0201 - Communication Sciences and Disorders, BS	Communication Sciences and Disorders
Communication Sciences and Disorders, MS	Communication Sciences and Disorders
Health Science, MHS	School of Health Sciences
Health Systems Administration, BS	School of Health Sciences
Emergency Medical Care, BS	School of Health Sciences
Athletic Training Sports Medicine, BS	School of Health Sciences
Athletic Training, MSAT	School of Health Sciences
Environmental Health, BS	School of Health Sciences
Physical Therapy, DPT	Physical Therapy
Recreational Therapy, BS	School of Health Sciences
Nutrition and Dietetics, BS	School of Health Sciences

51.38 - Nursing

Nursing, BSN	School of Nursing
Nursing, MS	School of Nursing
Nursing Practice, DNP	School of Nursing

2024 Report on the Status of STEM Distinguished Professorships

Appendix R: Winston-Salem State University's Approved STEM Degree Programs

CIP	Academic Department of the Degree Program	
01 - Agriculture		
None		
03 - Natural Resources		
None		
11 - Computer Science		
Computer Science and Information Technology, MS	Computer Science	
Information Technology, BS	Computer Science	
Computer Science, BS	Computer Science	
14 - Engineering		
None		
15 - Engineering Technology		
None		
26 - Biological Sciences		
Biology, BS	Biological Sciences	
Exercise Science, BS	Exercise Science	
27 - Math and Statistics		
Mathematics, BS	Mathematics	
29 - Military Technology		
None		
40 - Physical Sciences		
Chemistry, BS	Chemistry	

2024 Report on the Status of STEM Distinguished Professorships

51 - Health Professions

Health Care Management, BS	Health Care Management
Healthcare Administration, MHA	Health Care Management
Medical Laboratory Science, BS	Medical Laboratory Science
Occupational Therapy, MS	Occupational Therapy
Doctor of Physical Therapy, DPT	Physical Therapy
Therapeutic Recreation, BS	Therapeutic Recreation
Rehabilitation Counseling, MS	Rehabilitation Counseling
Rehabilitation Studies, BS	Rehabilitation Counseling

51.38 - Nursing

Nursing, BSN	Nursing
Nursing, MSN	Nursing
Doctoral, Professional Practice, DNP	Nursing

AGENDA ITEM

A-3. Carnegie Classifications Overview David English

Situation: The Carnegie Classification of Institutions of Higher Education is a system for organizing the diverse set of degree-granting colleges and universities in the United States. Originally developed in 1973, the framework was initially intended to be a tool for researchers to further their study of higher education, with the first Basic classification organizing institutions by the types of degrees they awarded. Following a significant organizational shift, updated Carnegie Classifications built on new methodologies are due for release in 2025.

Background: The Carnegie Classification framework is used in the study of higher education and is intended to be an objective, degree-based lens through which researchers can group and study similar institutions. Carnegie Classifications are used in research study design to ensure adequate representation of sampled institutions, students, or faculty. Derived from empirical data on colleges and universities, the Carnegie Classification was updated in 1976, 1987, 1994, 2000, 2005, 2010, 2015, 2018, and 2021 to reflect changes among colleges and universities.

In 2022, the Carnegie Foundation for the Advancement of Teaching and the American Council on Education (ACE) partnered to re-envision the future of the Carnegie Classifications. As part of that agreement, the Universal and Elective Classifications have been brought together under a single organizational home at ACE. The two organizations are now working together to develop new and refined versions of the Classifications to better reflect the public purpose, mission, focus, and impact of higher education. Updated categories and methodologies are expected to be released in 2025.

Assessment: Information will be provided to the committee on the history of the Carnegie Classifications, expected changes for the 2025 release, and potential impacts for UNC System institutions.

Action: This item is for discussion only.



UNC System Carnegie Classification Overview

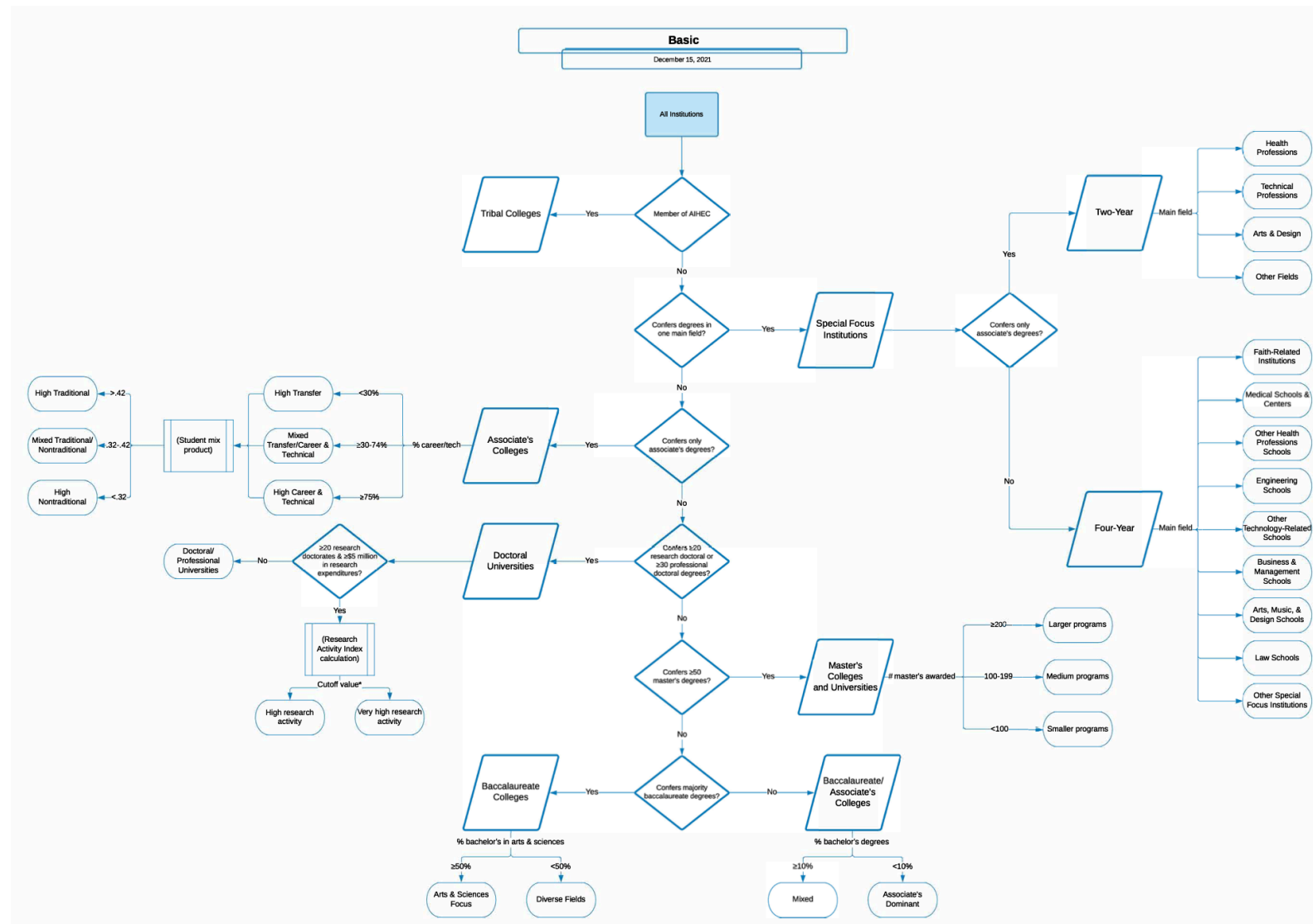
Committee on Educational Planning,
Policies, and Programs

November 13, 2024

Carnegie Classification Overview

- Carnegie classifications are the broadest and most well-known way to group institutions, currently administered by the American Council on Education (ACE)
- First list introduced in 1976, with updates in 1987, 1994, 2000, 2005, 2010, 2015, 2018, and 2021. Moving forward, updates are scheduled at three-year intervals (2025, 2028, 2031)
- Categorize institutions by degrees awarded, graduate education, research funding, etc.
- Intent is to be descriptive not hierarchical

Carnegie “Basic” Classification Flowchart



Carnegie Classification Overview – 2021

- **Doctoral Universities**

- **R1: Very high research activity**
 - 20 or more research doctorates AND more than \$5 million annual research expenditures (statistical index used to identify R1's)
- **R2: High research activity**
 - 20 or more research doctorates AND more \$5 million annual research expenditures
- **D/PU: Doctoral/Professional Universities**
 - 20 or more research doctorates AND less than \$5 million annual research expenditures; OR 30 or more professional doctorates

- **Master's Universities**

- M1: Larger Programs (at least 200 degrees)
- M2: Medium Programs (between 100 and 199 degrees)
- M3: Smaller Programs (Between 50 and 99 degrees)

- **Baccalaureate Colleges**

- Arts & Sciences Focus (over half of degrees A&S)
- Diverse Fields (All others)

- **Special Focus Institution**

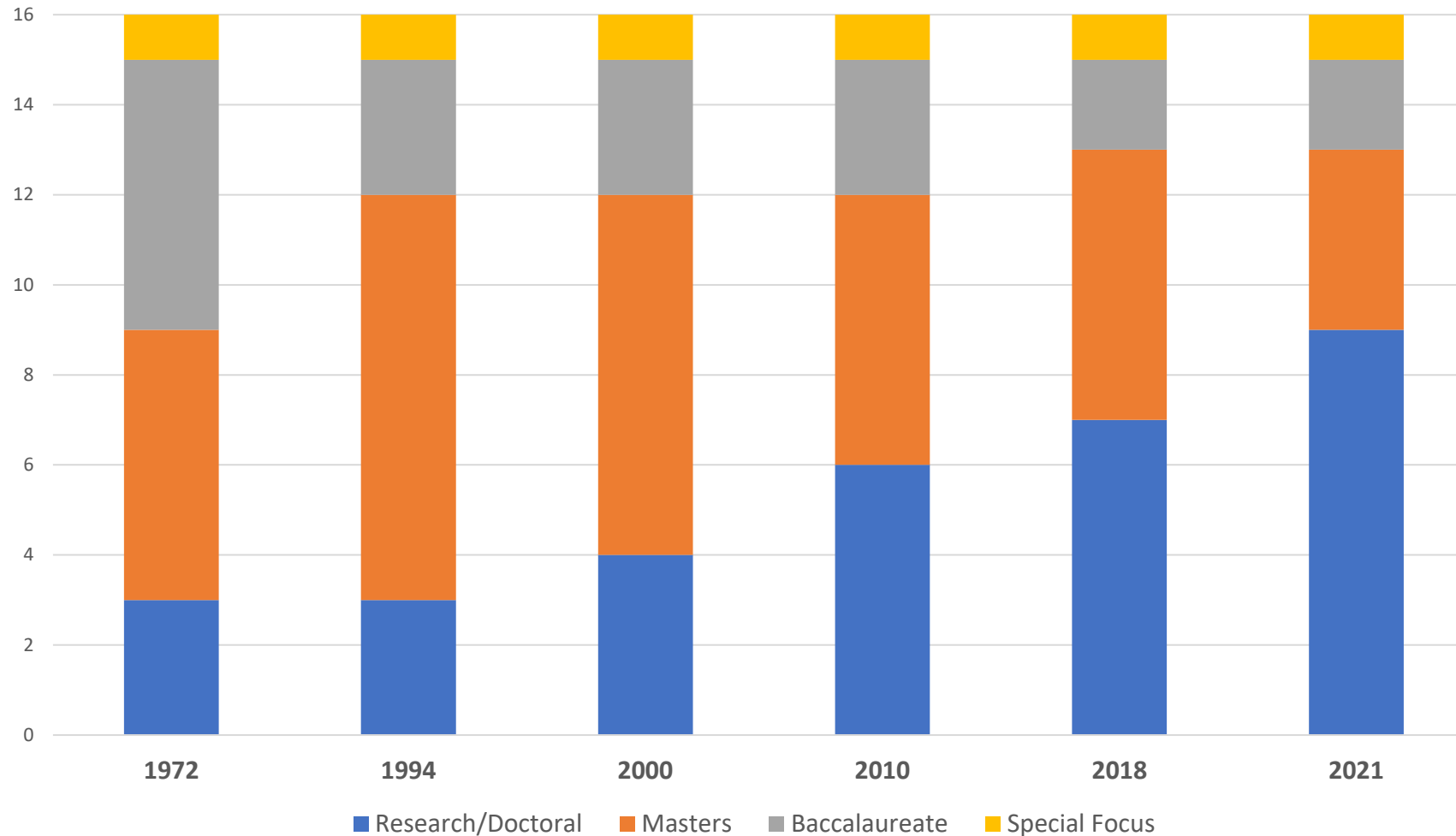
- Art, Music, & Design Schools (over 75% Degrees in Area)

Carnegie Classifications Over Time

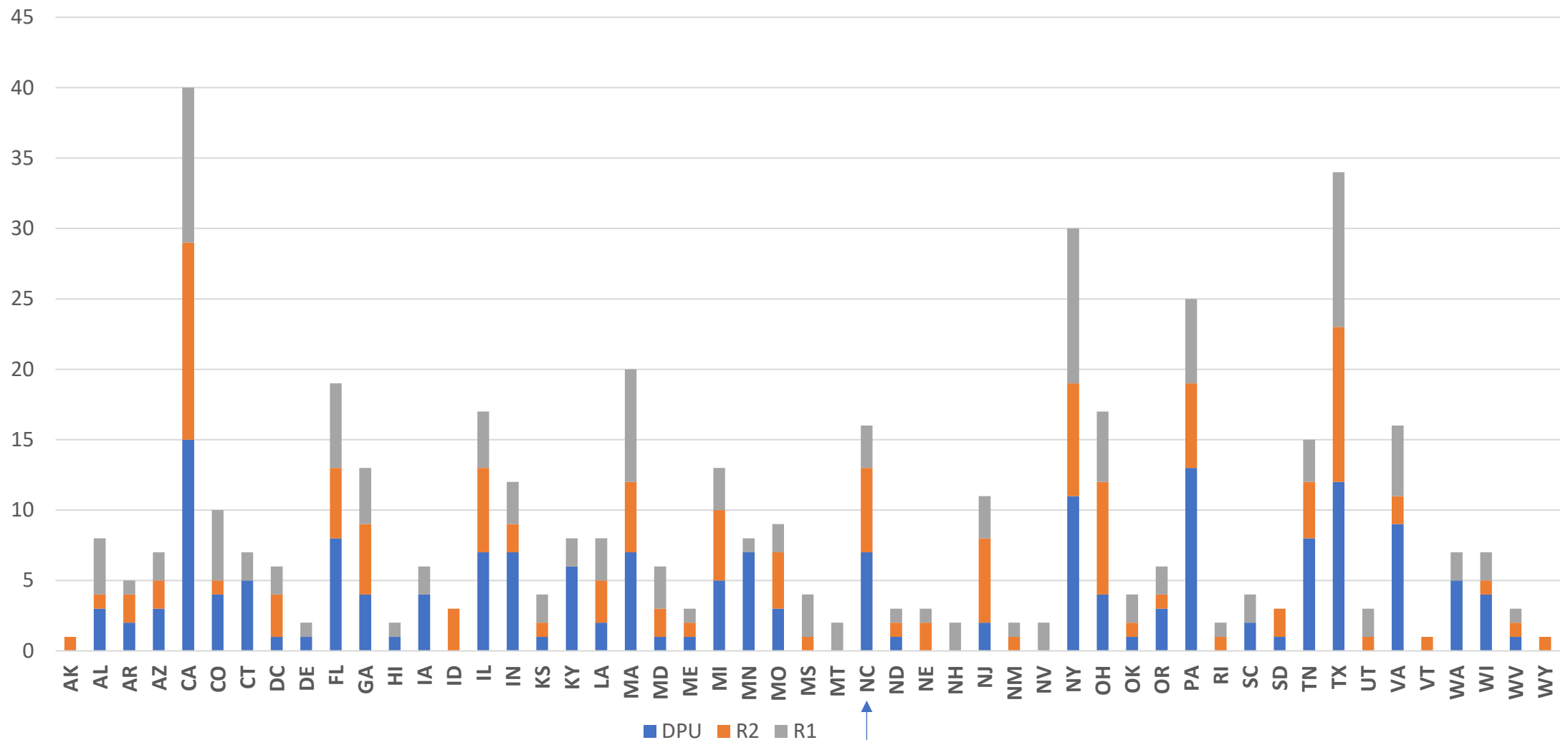
UNC Institution	1972	1994	2000	2010	2018	2021
Appalachian State	Masters	Masters 1	Masters 1	Masters 1	Masters 1	Masters 1
East Carolina	Masters	Masters 1	Research 2	Doctoral 1	Research 2	Research 2
Elizabeth City State	Baccalaureate	Baccalaureate 2	Baccalaureate 2	Baccalaureate 2	Baccalaureate 2	Baccalaureate 2
Fayetteville State	Baccalaureate	Masters 1	Masters 1	Masters 1	Masters 2	Masters 2
NC A&T State	Masters	Masters 1	Masters 1	Doctoral 1	Research 2	Research 2
NC Central	Masters	Masters 1	Masters 1	Masters 1	Masters 1	Masters 1
NC State	Research 1	Research 1	Research 1	Research 1	Research 1	Research 1
UNC Asheville	Baccalaureate	Baccalaureate 1	Baccalaureate 1	Baccalaureate 1	Baccalaureate 1	Baccalaureate 1
UNC Chapel Hill	Research 1	Research 1	Research 1	Research 1	Research 1	Research 1
UNC Charlotte	Masters	Masters 1	Masters 1	Doctoral 1	Research 2	Research 2
UNC Greensboro	Doctoral	Doctoral 1	Research 2	Research 2	Research 2	Research 2
UNC Pembroke	Baccalaureate	Masters 1	Masters 1	Masters 2	Masters 1	Masters 1
UNC Wilmington	Baccalaureate	Masters 1	Masters 1	Masters 1	Research 2	Research 2
UNC School of the Arts	Special Focus	Special Focus	Special Focus	Special Focus	Special Focus	Special Focus
Western Carolina	Masters	Masters 1	Masters 1	Masters 1	Masters 1	Doctoral
Winston-Salem State	Baccalaureate	Baccalaureate 2	Baccalaureate 2	Baccalaureate 2	Masters 2	Doctoral

UNC Carnegie Classifications Over Time

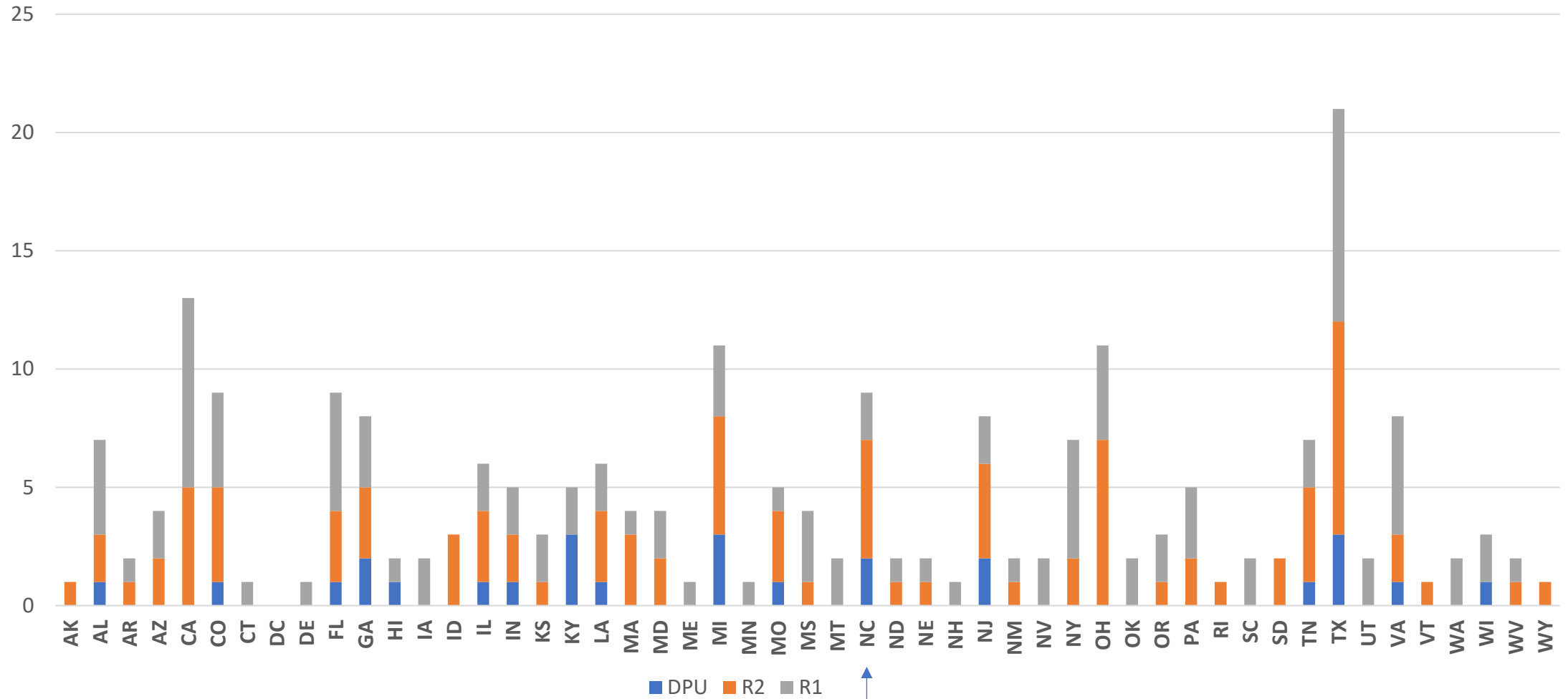
UNC System Carnegie Classifications, 1972-2021



Doctoral / Research Institutions by State (Public and Private)



Doctoral / Research Institutions by State (Public Only)



Carnegie Classifications in the UNC System (2021)

Campus	Research Doctorates (PhD)	Research Doctorates (EdD)	Professional Practice Doctorates	Master's Degrees	Research Expenditures	Carnegie Classification	U.S. News Category
WCU	0	11	32	579	\$ 2,696,000	Doctoral/Professional	National
ASU	0	13	0	704	\$ 4,894,000	Master's	Regional
WSSU	0	0	58	124	\$ 5,781,000	Doctoral/Professional	National
FSU	0	19	0	164	\$ 2,797,000	Master's	Regional
NCCU	2	0	119	531	\$ 15,833,000	Master's	Regional
UNCW	2	22	14	883	\$ 16,544,000	Research 2	National

Carnegie Classifications do not consider all aspects of institutional operations

Arbitrary cut points used by Carnegie have significant impacts on campus operations and positions

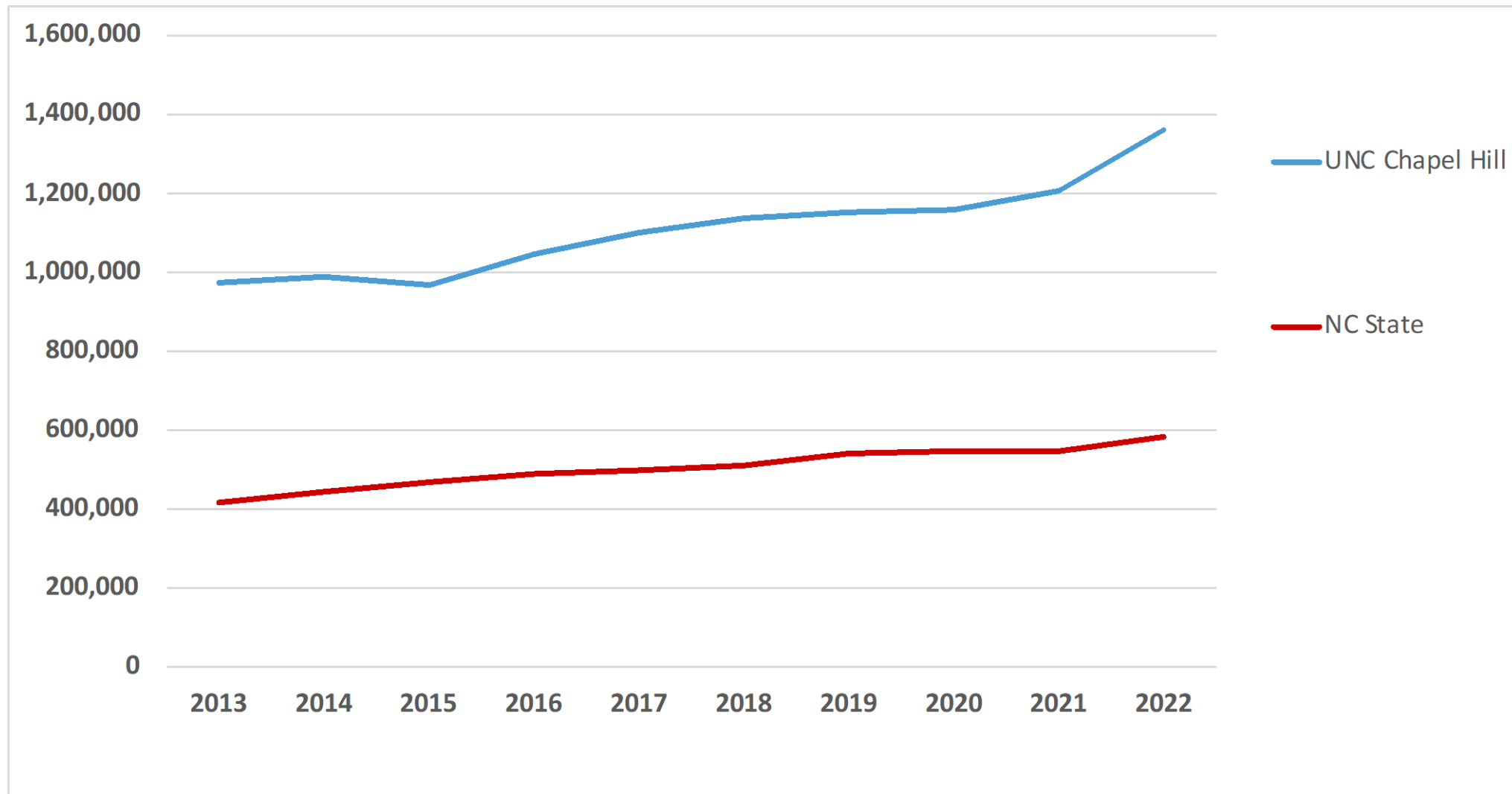
Carnegie Classifications in the UNC System (2021)

Campus	Research Doctorates (All Others)	Research Doctorates (Education)	Professional Practice Doctorates	Master's Degrees	Research Expenditures	Carnegie Classification	U.S. News Category
UNC-CH	558	24	660	2,439	\$ 1,159,725,000	Research 1	National
NCSU	495	67	100	2,732	\$ 546,290,000	Research 1	National
ECU	56	18	216	1,393	\$ 57,820,000	Research 2	National
NC A&T	66	0	0	387	\$ 36,151,000	Research 2	National
UNCC	74	27	28	1,613	\$ 50,050,000	Research 2	National
UNCG	107	49	86	891	\$ 28,966,000	Research 2	National
UNCW	2	22	14	883	\$ 16,544,000	Research 2	National

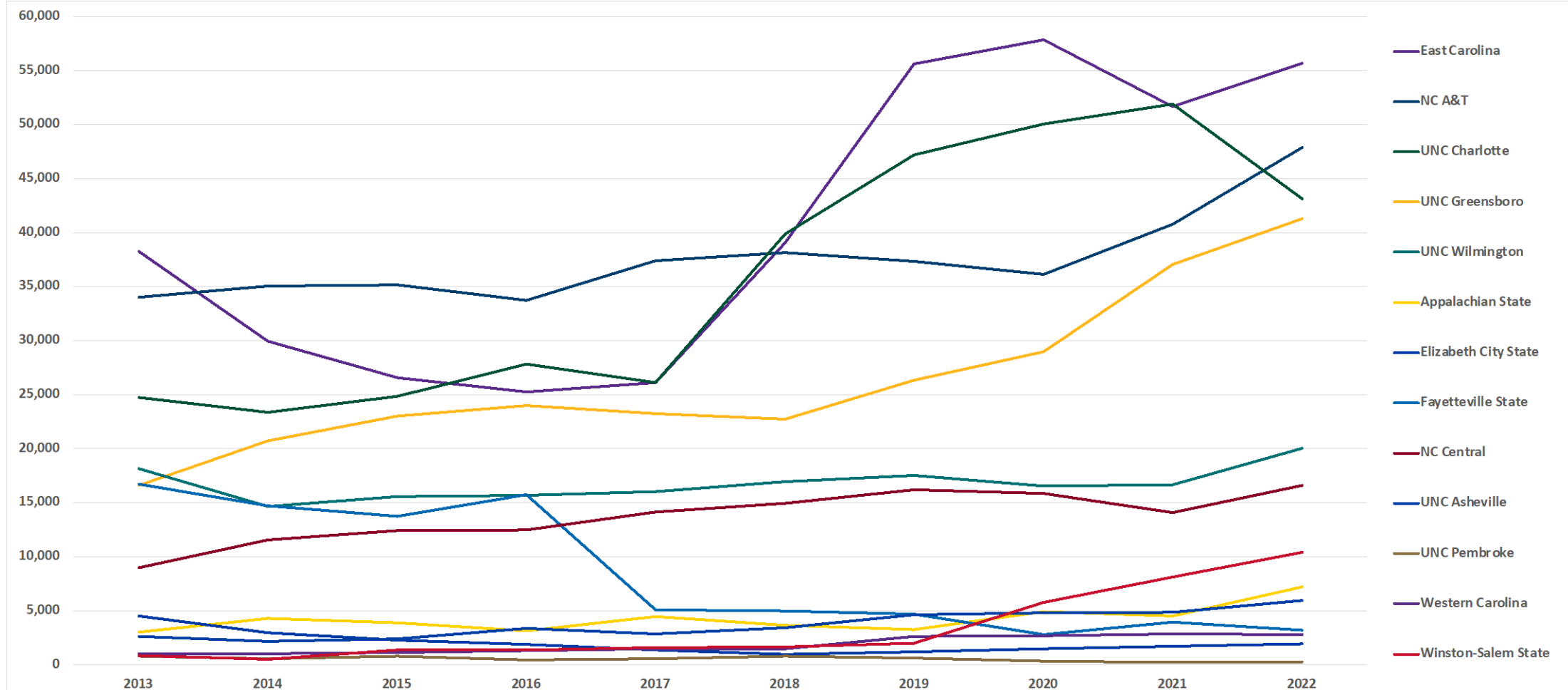
Carnegie Classifications do not consider all aspects of institutional operations

Arbitrary cut points used by Carnegie have significant impacts on campus operations and positions

UNC System Research Expenditures (NSF HERD)



UNC System Research Expenditures (NSF HERD)



UNC Changes to use of Carnegie

- Removed from Faculty Workload Policy
- Removed from Peer Study and Classifications
- Removed from Mission Statements
- Still used in funding model to account for differential costs of instructions (this is how the Delaware Study categorizes)

Carnegie Classification Changes – 2025

The 2025 Carnegie Classifications will shift to a more multidimensional approach, organizing institutions by multiple characteristics to create peer groups

The Basic Classification will no longer focus on research and graduate degrees; those measures will be included in a new secondary Research Classification

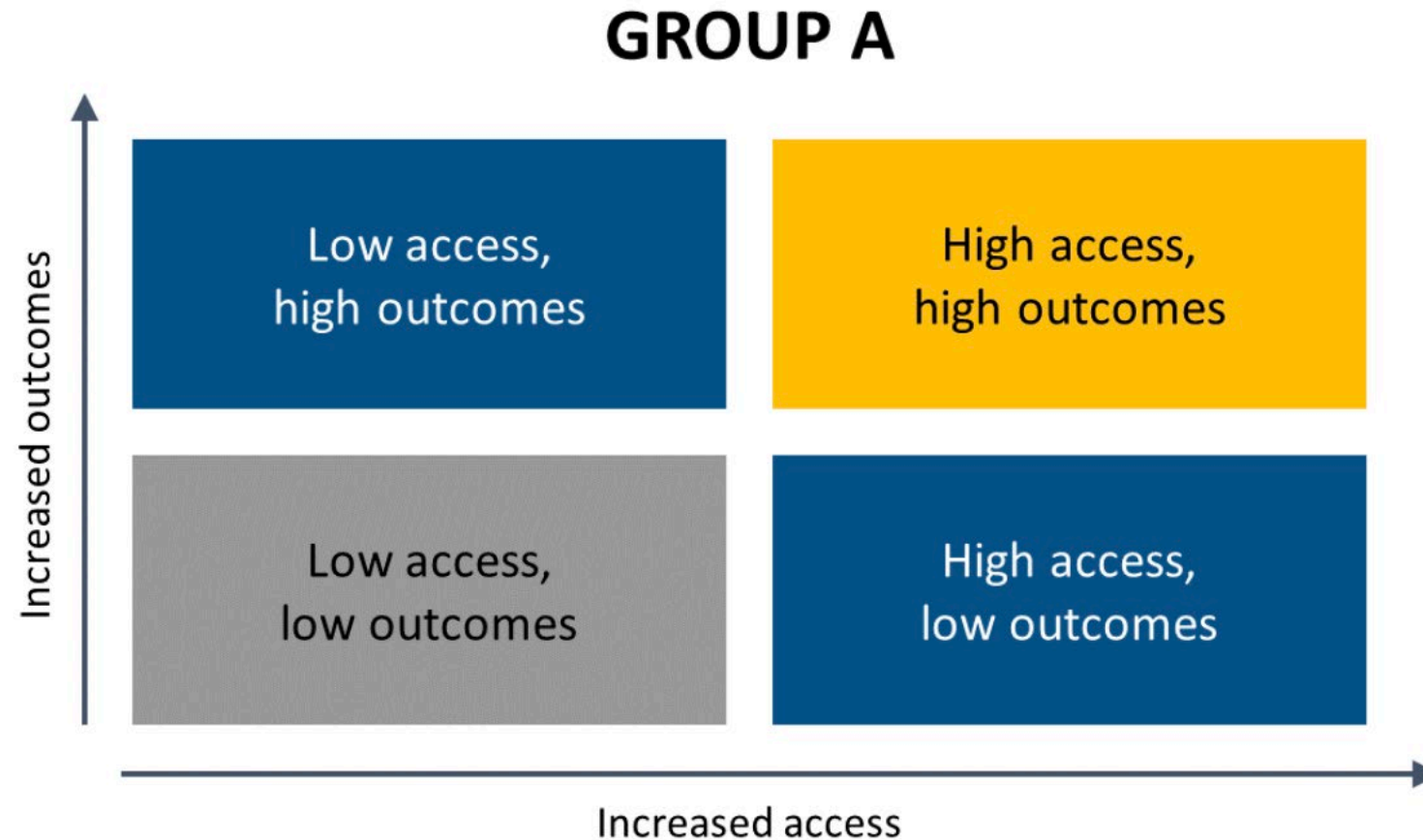


Basic
Classification

Social &
Economic
Mobility
Classification

Research
Classification

Carnegie Social & Economic Mobility Classification – 2025



The Social and Economic Mobility classification will be focused on a mix of student access and outcomes

Carnegie Research Classification – 2025

Research 1: Very High Spending and Doctorate Production

- 70 Research Doctorates
- \$50 million in research expenditures

Research 2: High Spending and Doctorate Production

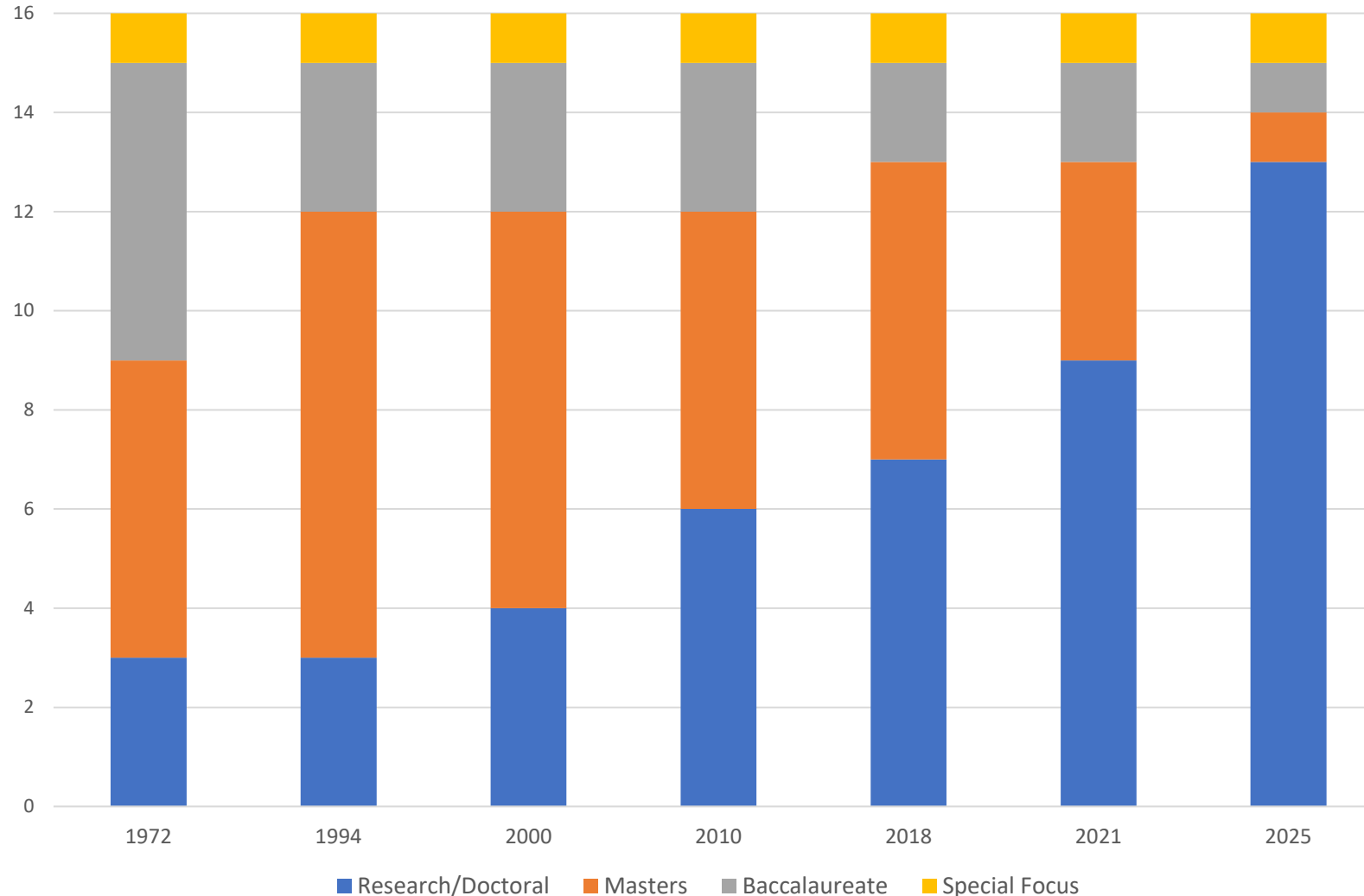
- 20 Research Doctorates
- \$5 million in research expenditures

Research Colleges and Universities

- \$2.5 million in research expenditures

Projected 2025 Carnegie Research Classification

UNC System Carnegie Classifications, 1972-2025



Projected Classifications

R1/R2: 8 institutions

RCU: 5 institutions

M: 1 institution

B: 1 institution

SF: 1 institution

QUESTIONS?

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AGENDA ITEM

A-4. Licensure and State Authorization Overview.....Daniel Harrison and Kaity McNeill

Situation: The University of North Carolina Board of Governors is charged under G.S. 116-15 with responsibility for licensing nonpublic and out-of-state educational institutions to conduct postsecondary degree activity in North Carolina.

Background: An overview of current licensure standards, last revised in 2020, and licensure procedural rules, last revised in 2022, will be presented, along with the effect these recent revisions have had on the landscape of nonpublic and out-of-state institutions operating in North Carolina. Staff will also present an overview of the State Authorization Reciprocity Agreement (SARA), of which North Carolina is a member, and discuss the effect that membership has on the Board's licensure authority. Finally, staff will discuss licensure metrics from academic year 2023-24 and preview licensure issues likely to arise this academic year.

Assessment: The committee will determine whether there is additional data that staff should present at a future meeting.

Action: This item is for discussion only.



AUTHORIZING NON-PUBLIC AND OUT-OF-STATE INSTITUTIONS

THE UNIVERSITY OF NORTH CAROLINA
BOARD OF GOVERNORS
November 13th, 2024

Why is this important?

- It's legally required:
 - By state law: N.C.G.S. § 116-15 and the BOG's Rules and Standards.
 - By federal law:
 - By Title IV of the Higher Education Act for **any institution** in North Carolina to have access to Federal Student Aid.
 - By the GI Bill for **any institution** in North Carolina to have access to Federal Student Aid.
 - For NC institutions to offer distance ed in other states through SARA.
 - All states have higher education licensure frameworks.

Why is this important?

- We perform functions that other higher ed regulators do not.
 - Focus on North Carolina students/residents
 - Student disclosures
 - Tuition Bonding
 - Records retention for closed schools

Statute and Regulations

- N.C. Gen. Stat. § 116-15:
 - Sets out 15 broad standards
 - Creates an exemption for religious programs and for institutions operating in NC prior to 1972
 - Empowers the Board to adopt regulations providing more detail on the 15 standards

Statute and Regulations

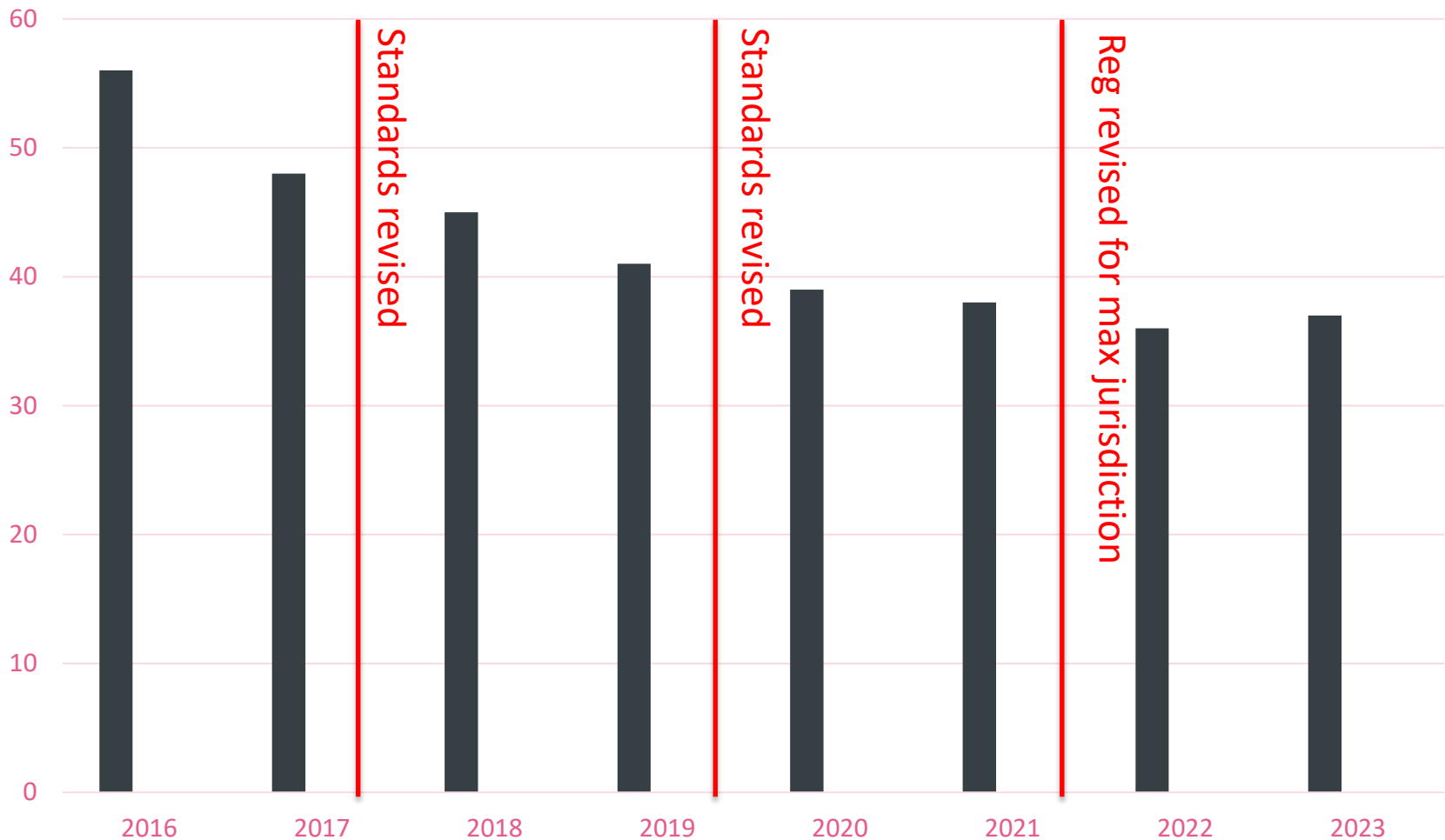
- The Board's regulations determine:
 - Academic standards for programs
 - Standards for faculty and staff
 - Financial solvency criteria
 - Governance requirements
 - Facilities, labs, and library standards
 - Student protection policies regarding refunds, disclosures, complaint processes and more
 - Procedures for licensure

Procedures for Licensure

- Preliminary conference
- Application for licensure
- Site visit with team of examiners
- Report of team of examiners
- Staff report
- Institutional response
- Board action
- 2- and 6-Year follow-up visits

Trends

Number of Licensed Institutions



Trends

- Historically, staff have brought approximately 50% of applications to the Board with a positive recommendation.
- This percentage has trended down significantly in recent years. In AY 23-24:
 - 39 institutions began the licensure process.
 - Of those 39, seven applications (18%) were approved by the BOG or are still pending.
 - The remaining applications were withdrawn.

SARA

- In 2016, the Board voted for North Carolina to join the National Council for State Authorization and Reciprocity Agreements (NC-SARA).
- This agreement allows institutions that meet NC-SARA standards to offer distance education and some experiential learning in participating states without applying for normal state licensure.
- All states except California are members.
- Nearly all UNC System institutions, North Carolina community colleges, and NC independent universities meet NC-SARA standards and are institutional members.



AGENDA ITEM

A-5. Update on UNC System Health Care Initiatives Katherine Martin

Situation: North Carolina is projected to face a shortage of as many as 18,600 nurses by 2033. This is largely due to increased patient demands from North Carolina's aging population, a retirement wave across nursing faculty, and professional burnout.

In addition, North Carolina patients need better access to primary care in rural and underserved areas.

Background: Katherine Martin, senior advisor for health affairs in the UNC System Office, will provide updates to the committee on two UNC System initiatives aimed at improving health care in North Carolina:

- The UNC System Office's Nursing Program Expansion Initiative recently granted awards for all 12 nursing programs. Allocating resources to nursing programs meets the UNC System's vision to increase the number of allied health graduates, mitigate the health care workforce shortage, and address faculty recruitment and retention issues — all of which can help enhance patient access to health care. These funds support the legislature's efforts to increase nursing degree completions by at least 50 percent.
- The UNC System Rural Residency Medical Education and Training Fund was established under the 2023 Appropriations Act with a \$23.5 million appropriation. The UNC System Office has allocated these funds to assist UNC Health and ECU Health with expanding existing rural residency training programs or establishing new programs for the following specialties: family medicine, pediatrics, obstetrics and gynecology, psychiatry, internal medicine, and general surgery.

Assessment: The presentation will provide a status update on the UNC System Office's Nursing Program Expansion Initiative and grant awards for all 12 nursing programs.

The presentation will also provide a status update on the use of the UNC System Rural Residency Medical Education and Training Fund to date, as well as plans to evaluate the effectiveness of the fund's targeted approach to shape a physician workforce that will provide better access to health care for patients living in rural and underserved areas.

Action: This item is for information only.



Request for Proposals: UNC System Health Care Workforce Program Expansion Funding Opportunity for Nursing Programs

Proposal Submission Deadline: May 15, 2024 Background

North Carolina's FY2023-25 Budget ([SL 2023-134](#)) appropriates a total of \$40 million across the biennium to the UNC Board of Governors (BOG) to support its constituent institutions in the development and expansion of courses that lead to degrees in healthcare-related fields. Of those funds, \$15 million nonrecurring will be available in FY 2023-24, and \$25 million non-recurring will be available in FY 2024-25.

This appropriation is part of the \$1.6 billion Medicaid expansion incentive for North Carolina. The incentive is a temporarily enhanced federal Medicaid match rate. This equates to a one-time state savings of \$1.6 billion to North Carolina's Medicaid program. The state Medicaid cost-share savings is deposited into the state's American Rescue Plan Act (ARPA) Temporary Savings Fund. The North Carolina General Assembly appropriated a significant portion of the state Medicaid savings to target health care workforce needs across the state.

[Section 4.9.\(a\) of SL 2023-134](#) states that ARPA Temporary Savings Fund appropriations shall not revert. Thus, institutions have additional flexibility to submit their proposals in which funding can be implemented across a multi-year period if needed.

Request For Proposals

The University of North Carolina System Office requests proposals from its constituent institutions on how these one-time, non-recurring funds could be used to significantly increase the number of undergraduate and graduate nursing degrees.

Allocating resources to nursing programs meets the UNC System's vision to increase the number of allied health graduates, mitigate the health care workforce shortage, and address faculty recruitment and retention issues – all of which can help enhance patient access to health care.

While the UNC System Office acknowledges the variety of health care workforce shortages and challenges related to the geographic distribution of health care professionals, the nursing shortage is among the most severe. Request for proposals will consider both undergraduate and graduate nursing programs. However, the UNC System Office will prioritize BSN programs as the expansion of these programs will directly address the most acute shortage areas.

Nurses make up the [largest portion](#) of the health care workforce. According to the [NurseCast](#) model created by the Cecil G. Sheps Center, North Carolina could potentially face [a RN shortage up to 18,600 by](#)

[2033](#), largely due to increased patient care demands from North Carolina's aging population, a retirement wave across nursing faculty, and professional burnout that has been [exacerbated by the COVID-19 pandemic](#). Moreover, 25 percent of actively licensed RNs are not currently participating in the workforce. These challenges were further highlighted in the recently published [Caregiving Workforce Development Report](#) that was spearheaded by the NC Department of Health and Human Services and the NC Department of Commerce.

These funds will support the legislature's efforts to [increase nursing degree completions by at least 50 percent](#). The UNC System believes increasing its nursing degree completions can be achieved within ten years while also helping to meet the future RN demands by 2033 as predicted by the NurseCast model.

UNC System Nursing Program Request for Proposals Guidance

In FY 2022-23, the North Carolina General Assembly required nursing schools to provide feedback on what resources are needed to increase nursing graduates by 50 percent. In response [to Section 8.3 of SL 2022-74: Recommendations on Increasing Nursing Graduates](#), the following components were consistently mentioned across all 12 institutions:

- Faculty recruitment and retention
- Expanding clinical partnerships
- Nursing student support services and pre-requisite student support services
- Simulation labs
- Preceptor incentives
- Start-up costs for new pre-licensure nursing degree pathways, military specific nursing degree pathways, or graduate nursing degree pathways
- Technology upgrades

Evaluation and Selection of Proposals

The UNC System Office will fund proposals that clearly demonstrate how any of these components, or combinations, will assist with nursing program expansion, student retention, and increased degree completion. Institutions are not required to submit a proposal that incorporates all the above-listed categories.

The overall goal of this grant competition is to increase the number of nurses graduating from UNC institutions. Nursing programs must demonstrate how this can be achieved within a defined timeframe. Nursing programs must also demonstrate how one-time funding will be self-sustaining.

Proposals will be evaluated by a system-wide panel of UNC System Office staff, AHEC, and Sheps Center leadership and will be scored according to the **attached rubric**. The rubric will score the following proposal deliverables:

Budget Template

- A nursing program's budget template must provide a detailed breakdown of its proposal's funding needs. The budget template must thoroughly explain how these resources will meet the

program's defined enrollment and degree completion goals. The budget template also demonstrates how one-time funds will be self-sustaining.

Proposed Goals Template

- The proposed goals template is complete and aligns with the proposal narrative and budget template. The proposed goals align with the System Office's overarching goal of increasing nursing degree completions with an emphasis on increasing nursing degree completions across prelicensure nursing pathways. Goals are aggressive yet realistic.

Nursing Student Data Template

- Please see the “Nursing Data Instructions” Tab within the nursing student data template attachment for guidance on completing this deliverable.
- The UNC System Office is in the process of enhancing its nursing student enrollment and degree completion data. As part of this effort, nursing programs need to complete the prelicensure nursing pathway student data templates, RN-BSN student data template, and graduate nursing degree student data templates.
- These templates are requesting student nursing data by cohorts from academic years 2017-2018 through 2023-24.
- This data collection request will inform the System Office of the growing demand for nursing programs to offer a variety of prelicensure and graduate nursing degree pathways. As part of the Request for Proposal review process, The System Office will compare this data with each nursing program's program expansion proposals.

Proposal Narrative

- The proposal narrative thoroughly explains how requested funding as outlined in the budget template will achieve defined goals in the proposed goals template. The narrative also builds off data provided in the nursing student data template.
- The narrative provides a clear timeline and process of how funding will be implemented, and how these one-time funds can be fully self-sustaining. The proposal demonstrates new and/or expanded intra-campus or external collaborative partnerships that will yield student enrollment increases. (e.g., sharing simulation labs with another university, community college, or oncampus interdisciplinary collaboration, expanding clinical site developments through AHEC, or expanding upon the Clinical Instructor Program offered by AHEC). The proposal includes how it will have more nursing students complete clinical training requirements in rural settings.

UNC System Nursing Program Request for Proposals Funding Parameters

- **FY 2023-25 Maximum Proposal Request Amount: \$3 million**
- While a nursing program can submit a funding proposal up to \$3 million, it is not guaranteed that the proposal will be awarded the full \$3 million. The System Office will have discretion to award a nursing program below or above the \$3 million proposal limit.

- A nursing school's proposal must demonstrate how any awarded funds will be used to supplement, not supplant, its nursing program resources (e.g., using awarded funds to cover costs that have already been incurred as part of a nursing program's existing expansion efforts).
- Each institution can only submit one proposal. Proposals may include targeted funds for both pre-licensure and graduate degree nursing programs if the total cost of the proposal does not exceed \$3 million.
- Proposals should be no more than 5 pages of narrative (double-spaced 12-pt font). In addition to the narrative document, submitted proposals must include a completed budget template, proposed goals template, and nursing student data template. Any other supporting documentation shall not exceed 5 pages.
- Include the name, title, and contact information for the primary UNC System institution applicant. This individual will be responsible for maintaining communication with UNC System Office staff regarding the institution's nursing program expansion proposal.

Reporting Requirements

UNC System nursing program reporting requirements:

Each UNC institution that receives a funding award shall submit a progress report annually from the date in which funds were received. Annual reporting will end once a nursing program has expended all awarded funds and has met their defined program expansion goals. Further guidance on content and format will be issued to grant recipients.

Timeline for Nursing Program Request for Proposals

The Office of State Budget and Management (OSBM) ARPA [funding schedule](#) projects FY 2023-24 funding for Health Care Workforce Program Expansions will be transferred to the UNC System Office between March-May 2024. The total amount of federal funds transferred to the UNC System Office for this initiative in FY 2023-24 is \$15 million.

The UNC System Office anticipates that OSBM will transfer the remaining \$25 million in FY 2024-25 between March-May 2025.

Nursing programs that are awarded funding must be mindful of incremental funding across FY 2023-24 and FY 2024-25.

The deadline for UNC System nursing program expansion proposals is **May 15, 2024**. The UNC System plans to issue award notifications to nursing programs by **June 14, 2024**, so that schools will have the option to begin implementing their awarded proposals during the 2024-25 academic year.

- RFP Webinar: Thursday, April 11, 2024
- Submit questions to Katherine Martin by April 11, 2024
- Proposal deadline: May 15, 2024
- UNC System award notifications issued for FY 2023-24: June 14, 2024
- UNC System award notifications issued for FY 2024-25: June 2025

Questions

- Please address questions by email to Katherine Martin, Senior Health Affairs Advisor:
krmartin@northcarolina.edu



UNC System Rural Residency Medical Education and Training Fund

Background

North Carolina's FY 2023-25 Budget ([SL 2023-134](#)) appropriates a total of \$23.5 million across the biennium for the UNC Board of Governors (BOG) to establish the UNC System Medical Education and Training Fund. These funds will support East Carolina University (ECU) and University of North Carolina (UNC) schools of medicine and their respective graduate medical education (GME) programs.

In FY 2023-24, \$11.25 million non-recurring will be allocated. In FY 2024-25, \$4.25 million non-recurring will be allocated in addition to \$8 million recurring.

The non-recurring portion of this appropriation is part of the \$1.6 billion Medicaid expansion incentive for North Carolina. The incentive is a temporarily enhanced federal Medicaid match rate. This equates to a one-time state savings of \$1.6 billion to North Carolina's Medicaid program. The state Medicaid cost-share savings is deposited into the state's American Rescue Plan Act (ARPA) Temporary Savings Fund. The North Carolina General Assembly appropriated a significant portion of the state Medicaid savings to target health care workforce needs across the state.

[Section 4.9.\(a\) of SL 2023-134](#) states that ARPA Temporary Savings Fund appropriations shall not revert. Therefore, ECU and UNC have flexibility to implement funds across a multi-year period if needed.

UNC System Medical Education and Training Fund

The UNC System Office is grateful to the General Assembly for the opportunity to help strengthen the rural health care mission of both ECU and UNC schools of medicine and GME programs affiliated with UNC Health and ECU Health. It is the System Office's intent for ECU and UNC to use these funds to establish new primary care residency programs or expand existing primary care residency programs in which most training will be completed in a rural area of the state. Research demonstrates that physicians who complete a significant portion of training in rural areas are [more likely to practice](#) medicine in rural settings.

The UNC System Medical Education and Training Fund not only provides a targeted approach to shape the physician workforce that provides better access to primary care for patients living in rural North Carolina, it also ensures transparency to GME dollars. Transparency will be reflected in annual reporting requirements in addition to post-residency physician placement and retention in rural areas. Academic medical literature [demands](#) that publicly funded GME (largely financed by Medicare and Medicaid) undergo reform. Federal GME funding formulas are [antiquated](#) and do not focus on [aligning specific physician training](#) across health professional shortage areas. In fact, the

Health Resources and Services Administration (HRSA) recently reported that [65 percent](#) of rural areas across the United States lack adequate access to primary care physicians.

Lastly, these funds will help both institutions further develop residency programs that are self-funded. The [1997 Medicare GME “cap”](#) on residency slots has put academic teaching hospitals at a [disadvantage](#) compared to those located in the Northeastern US where formal medical education was first established. As a result, ECU Health and UNC Health sponsor a significant portion of their resident trainees.

Primary Care Post-Residency Retention: Current State

North Carolina’s two academic teaching hospitals are committed to training and retaining a physician workforce that meets the needs of patients living in rural areas. Funds allocated from the UNC System Medical Education and Training Fund will improve the current rural primary care physician landscape.

Both institutions offer [rural residency training track programs](#) where primary care residents mostly train in a federally qualified health center (FQHC) setting. The UNC School of Medicine also established the Fully Integrated Readiness for Service Training ([FIRST](#)) program in 2015, in which first year medical students are placed in an accelerated, three-year medical school curriculum, followed by a conditional residency placement into one of five primary care specialties. After completing residency, the licensed physician is required to practice in a rural setting for another three years.

Healthcare workforce data produced by the Cecil G. Sheps Center highlights [rural physician placement](#) across both institutions. While ECU Health ranks as one of the top producers of rural primary care physician placements as a proportion of its total residents, UNC Health has the largest psychiatry residency program and places the highest proportion of its psychiatry resident graduates in rural counties across the state. Yet, overall primary care physician supply in rural North Carolina does not meet patient demand.

Allowable Uses of Funds

The following components are allowable uses of funding from the UNC System Medical Education and Training Fund:

- Establish or expand existing rural residency training programs for the following eligible specialties:
 - Family Medicine
 - Pediatrics
 - OBGYN
 - Internal Medicine
 - General Surgery
 - Psychiatry
- Establish an accredited rural residency training program at an affiliate entity under ECU Health or UNC Health that ensures long-term sustainability through viable and stable funding mechanisms, such as Medicare, Medicaid, and other public or private funding sources.

- Establish or expand medical school rural pathway programs in which medical school graduates are required to complete a primary care residency training program in a rural setting. Upon residency completion, they are required to practice medicine for a minimum period of three years in a rural setting.
- Loan repayment incentives for rural residency programs.
- Preceptor payment incentives/training within rural residency programs.
- Expansion of rural clinical training sites.
- Rural residency program housing costs.
- Rural residency student and/or faculty transportation costs.
- Rural residency program accreditation costs.
- Collaboration with North Carolina Area Health Education Centers (AHEC).
- Leveraging state allocations to secure federal grants that will assist with rural residency training pathway program development and sustainability.
- Recruitment of medical students with ties to the state/region (i.e. undergraduate, medical school, hometown, etc.).

Funding Parameters and Definitions

- Funds must be used to supplement, not supplant, its rural residency pathway program (e.g., it is prohibited to use allocated funds to cover costs that have already been incurred).
- Up to \$750,000 for start-up costs associated with developing a new rural residency program.
- Up to \$75,000 for GME feasibility studies (i.e. consultation, site development) for interested health facilities.
- Residency sponsorship funding amounts cannot exceed more than \$150,000 per resident slot for program expansion. Per-resident funding amounts include the following:
 - Salaries/benefits for personnel (including residents and a portion of administrative staff/faculty)
 - Resident travel and away rotation housing expenses
 - Non-medical benefits
 - Educational materials
 - Memberships
 - Subscriptions
 - Recruitment (prorated)
 - Accreditation fees (prorated)
 - Workshops/conferences
 - Faculty development
 - Graduation (prorated)
 - IT software costs
 - Malpractice
 - Licensing
 - Meals (reasonable and justified)
- To maximize the flexibility of General Fund dollars for rural residency training programs, training costs may be used across all patients, regardless of payer mix.

- A rural residency program is defined as a physician residency accredited by the Accreditation Council for Graduate Medical Education (ACGME) that train residents in clinical training sites in a rural area as defined by the Center for Medicare and Medicaid Services (CMS) and/or the Federal Office of Rural Health Policy (FORHP). This can include new programs and permanent complement increases for new rural training site(s) of existing programs. Rural residency programs must be developed to ensure long-term sustainability through viable and stable funding mechanisms, such as, Medicare, Medicaid, and other public or private funding sources.
 - For programs proposing a sustainability plan that relies on Medicare GME funding, greater than 50 percent of total resident training must take place in a clinical training site physically located in a rural area that meets the CMS rural requirements.
 - For applicants proposing sustainability plans with no Medicare GME funding, greater than 30 percent of training must take place in a clinical facility physically located in a rural area that meets FORHP's definition of rural.
- “Rural” is defined by CMS and/or FORHP criteria. CMS rural requirements require documentation that the county is not in a metropolitan area delineated in OMB Bulletin No. 23-01, release July 21, 2023. HRSA Federal Office of Rural Health Policy (FORHP) Rural includes all non-metropolitan counties as rural and uses an additional method to determine rural census tracts within metropolitan counties. FORHP considers census tracts inside metropolitan counties with the Rural-Urban Commuting Area (RUCA) codes 4-10 to be rural and makes additional adjustments for very large tracts with low population density and for counties with no population living in Census-defined Urbanized Areas.
- UNC and ECU are required to partner with at least one community-based ambulatory care center located in a rural area as part of expanding or establishing a new rural residency training program.
- The UNC Cecil G. Sheps Center for Health Services Research will establish and run the Technical Assistance entity for evaluation and technical support building off their national expertise. UNC and ECU are required to engage with the Technical Assistance entity to support program expansion and development of rural residency training programs.

Allocation of Funds

- UNC Cecil G. Sheps Center for Health Services Research: \$1,200,000 NR
 - FY 2023-24: \$600,000 NR
 - FY 2024-25: \$600,000 NR
- ECU School of Medicine: \$8,920,000
 - FY 2023-24: \$4,260,000 NR
 - FY 2024-25: \$1,460,000 NR, \$3,200,000 R
- UNC School of Medicine: \$13,380,000 FY 2023-24: \$6,390,000 NR
 - FY 2024-25: \$2,190,000 NR, \$4,800,000 R

Funding Allocation Timeline

The Department of Health and Human Services (DHHS) has [transferred](#) FY 2023-24 funds (\$11.25 million) to the UNC System Office for the UNC System Medical Education and Training Fund.

In FY 2024-25, \$8 million in recurring funds will be available July 2024. The remaining \$4.25 million non-recurring is anticipated to be transferred from DHHS to the Training Fund in Jan-March of 2025.

ECU and UNC medical schools and residency programs at ECU Health and UNC Health must be mindful of incremental funding allocations across FY 2023-24 and FY 2024-25.

Annual Reporting Requirements

[Section 4.9.\(f\)](#) of the 2023 Appropriations Act directs the UNC System Office to submit annual reports on American Rescue Plan Act (ARPA) Temporary Savings Fund appropriations to the Fiscal Research Division beginning on **October 1, 2024**. Annual reports are required to be submitted to the Fiscal Research Division until all ARPA funds are fully expended.

Annual reports must detail how East Carolina University, The University of North Carolina at Chapel Hill, and the Sheps Center have spent their respective ARPA allocations from the Rural Residency and Medical Education Training Fund. Reports shall include the amount of funds received, the amount of funds that have been spent, and the amount of funds that remain unspent as of **September 17, 2024**.

Please submit the following expenditure information to the UNC System Office by **September 17, 2024**:

- Implementation timeline of allocated funds and projected goals for establishing or expanding new eligible residency programs
- Baseline number of residents within an existing rural residency program that will be expanded with UNC System Medical Education Fund allocation.
- Total number of additional residents to be funded for new or expanded rural residency programs.
- Accreditation status of new programs or expanded positions.
- Start-up costs associated with expanding or establishing new residency programs.
- Breakdown on expenditures of the \$150,000 per resident slot funding.
- Name of residency program, location, and number of residents sponsored for new or expanding residency programs.
- Program training sites and percentage training time projected or spent at each site.
- Recruitment results for new program or expanded positions including number of medical students with ties to North Carolina (i.e. undergraduate, medical school, hometown).
- Report on graduate outcomes for supported positions including initial graduate practice location or status (i.e. fellowship, job searching), type of position, and national provider identifier (NPI).
- Annual post-residency placement tracking.
- Summary and list of Technical Assistance and awardee education activities conducted.

Questions

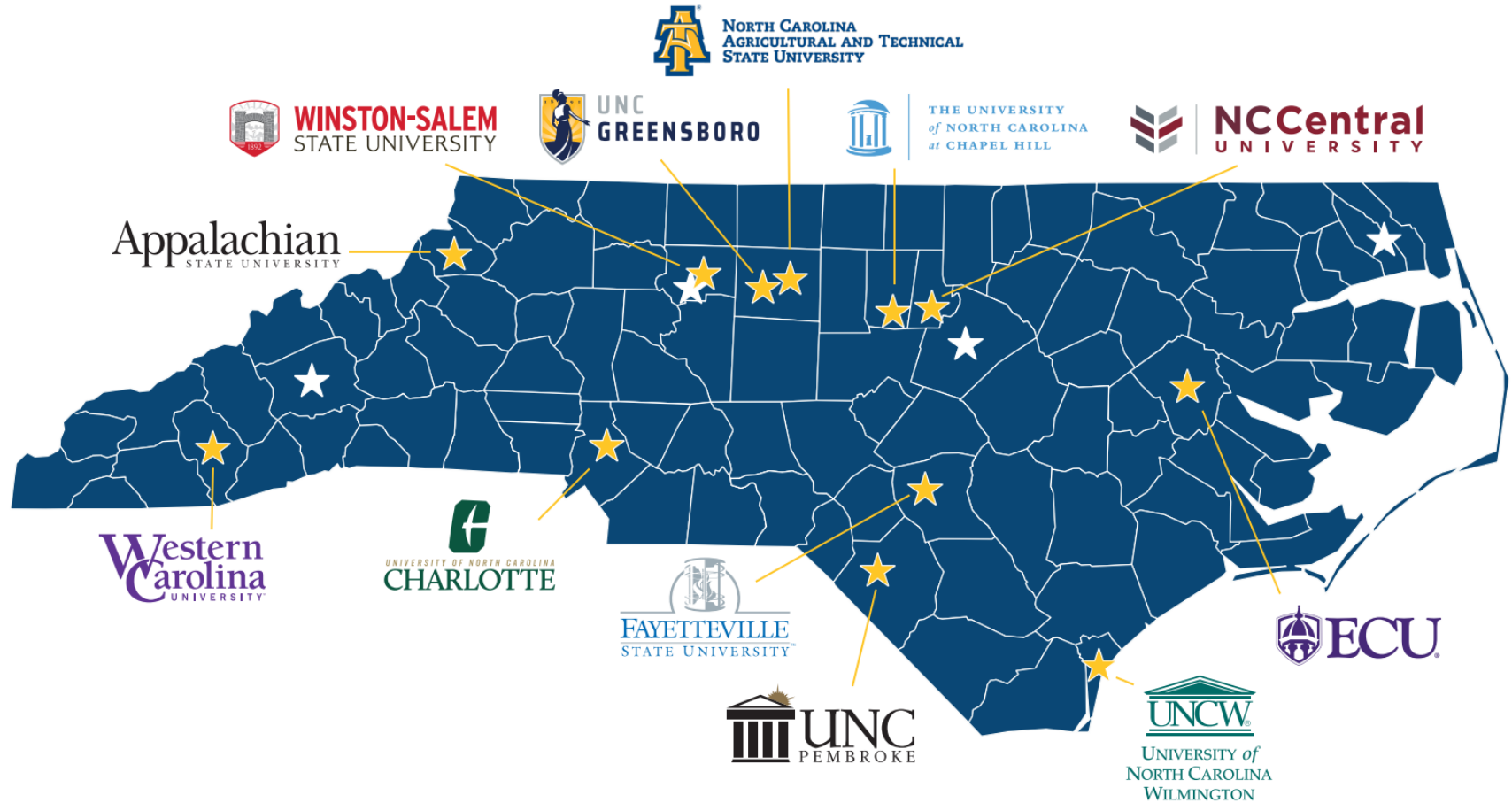
Please address questions by email to Katherine Restrepo Martin, Senior Health Affairs Advisor:
krmartin@northcarolina.edu



UNC SYSTEM NURSING PROGRAM EXPANSION UPDATE

Katherine Martin
November 13, 2024

12 UNC System Nursing Programs



UNC System Nursing Expansion Initiatives

- **FY 2023-25 Total State Appropriation: \$40 million**
 - **\$29 million – 12 UNC System Nursing Programs**
 - Program expansion grants
 - **\$1 million – NC Area Health Education Center (AHEC)**
 - Expand clinical site development program, clinical instructor program.
 - **\$1 million – NC State Education Assistance Authority (SEAA)**
 - Additional funds to meet BSN student demand for forgivable education loans for service (FELS) program
 - **\$970,000 – UNC Sheps Center on Health Workforce Research**
 - ROI evaluation on nursing program expansion grants.
 - **\$TBD – Military Student Nursing Program Expansion Grants**
 - UNC System has issued RFIs to all 12 nursing schools, responses due Oct. 18th

Nursing Program Expansion Grants: Flow of Funds

Institution	FY 2023-24 Award Amount	FY 2024-25 Award Amount	Total Award Amount
A&T	\$ 1,125,000	\$ 1,236,443	\$ 2,361,443
ASU	\$ 1,125,000	\$ 1,069,210	\$ 2,194,210
ECU	\$ 1,125,000	\$ 1,875,000	\$ 3,000,000
FSU	\$ 1,125,000	\$ 944,213	\$ 2,069,213
NCCU	\$ 1,125,000	\$ 810,528	\$ 1,935,528
UNCC	\$ 1,125,000	\$ 1,332,435	\$ 2,457,435
UNC-CH	\$ 1,125,000	\$ 1,574,399	\$ 2,699,399
UNCG	\$ 1,125,000	\$ 1,295,118	\$ 2,420,118
UNCP	\$ 1,125,000	\$ 1,227,600	\$ 2,352,600
UNCW	\$ 1,125,000	\$ 1,316,163	\$ 2,441,163
WCU	\$ 1,125,000	\$ 1,349,700	\$ 2,474,700
WSSU	\$ 1,125,000	\$ 1,447,000	\$ 2,572,000
AHEC	\$ 500,000	\$ 500,000	\$ 1,000,000
UNCSO OER initiative	\$ 60,800	\$ 71,680	\$ 132,480
Sheps 5-year ROI evaluation	\$ 939,200	\$ 38,056	\$ 977,256
SEAA FELS - nursing	\$ -	\$ 1,000,000	\$ 1,000,000
Total FY Appropriation	\$ 15,000,000	\$ 25,000,000	\$ 40,000,000
Total FY Allocation	\$ 15,000,000	\$ 17,087,546	\$ 32,087,546
Remaining FY Balance	\$ -	\$ 7,912,454	\$ 7,912,454

Western Carolina University

Cullowhee, North Carolina

PRELICENSURE NURSING PROFILE

MAX CAPACITY

300

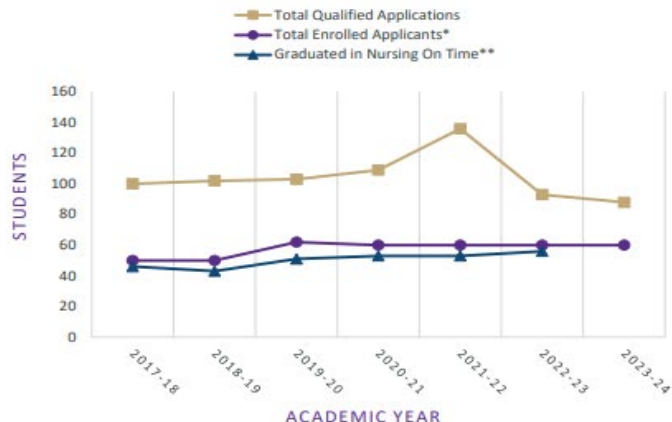
Enrollment as Percentage
of Max Capacity

56%

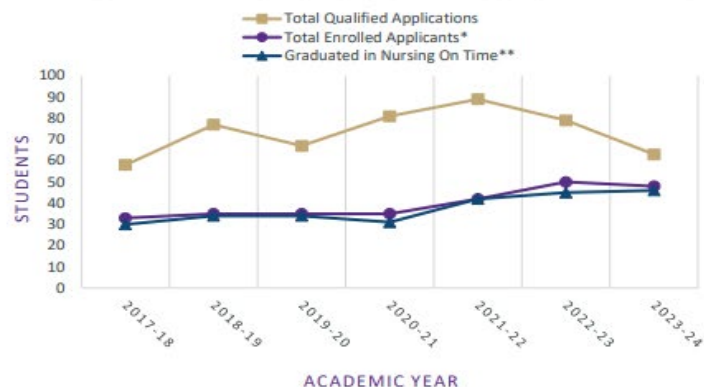
RESIDENT TUITION

\$1,000

TRADITIONAL NURSING STUDENT COHORT TRENDS



ACCELERATED NURSING STUDENT COHORT TRENDS



TRADITIONAL PROGRAM GRADUATION RATE

Academic Year 2022-23

93%

ACCELERATED PROGRAM GRADUATION RATE

Academic Year 2023-24

96%

THREE-YEAR AVERAGE NCLEX PASS RATE (2021-23)

99%

UNC SYSTEM NURSING PROGRAM EXPANSION GRANT AWARD

\$2.47 MILLION

- **Goal:** Double enrollment
- **Timeline:** 4 years
- **Resources:** Faculty, simulation lab equipment, student success supports

Appalachian State University

Boone, North Carolina

PRELICENSURE NURSING PROFILE

MAX CAPACITY

150

Enrollment as Percentage
of Max Capacity

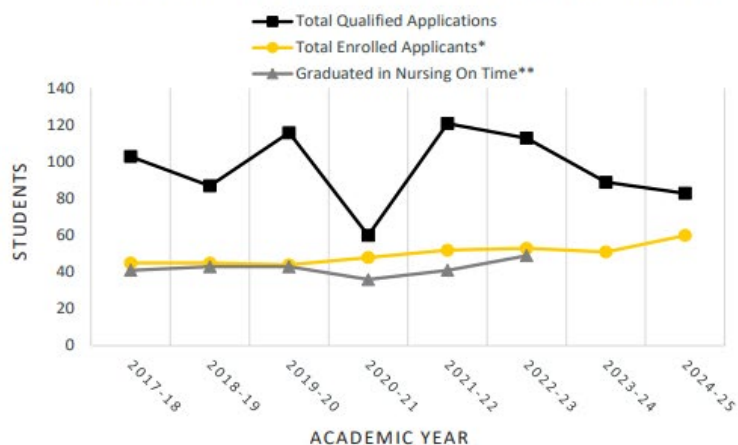
74%

RESIDENT TUITION

\$4,242



TRADITIONAL NURSING STUDENT COHORT TRENDS



TRADITIONAL PROGRAM GRADUATION RATE

Academic Year 2022-23

92%

THREE-YEAR AVERAGE NCLEX PASS RATE (2021-23)

97%

UNC SYSTEM NURSING PROGRAM EXPANSION GRANT AWARD

\$2.194 MILLION

- **Goal:** 60% enrollment increase
- **Timeline:** 2 years
- **Resources:** Faculty, student support specialist, nursing professor endowment



North Carolina Agricultural and Technical State University

Greensboro, North Carolina

PRELICENSURE NURSING PROFILE

MAX CAPACITY

180

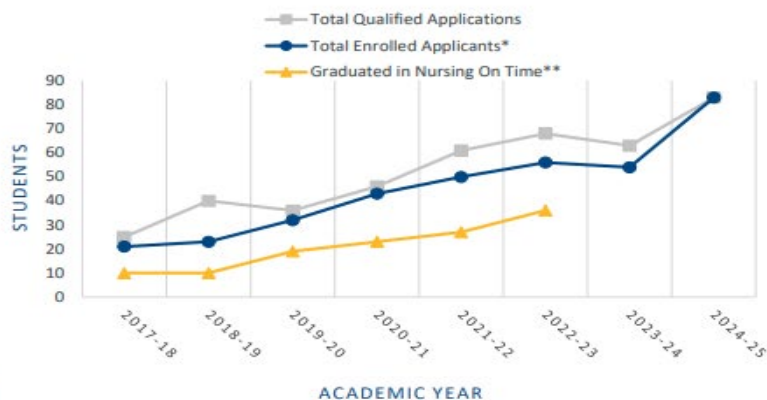
Enrollment as Percentage
of Max Capacity

88%

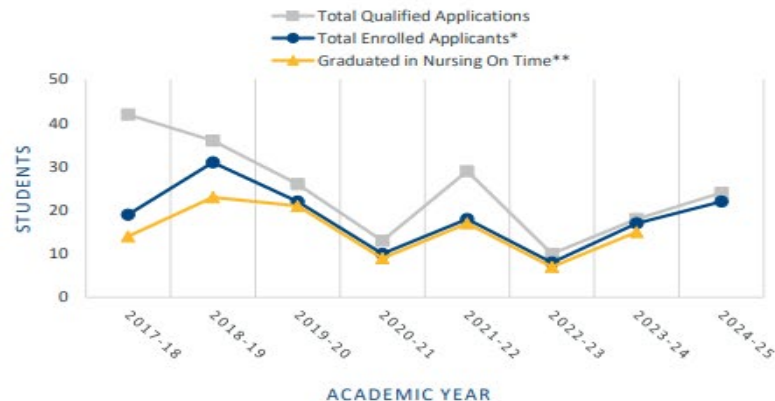
RESIDENT TUITION

\$3,540

TRADITIONAL NURSING STUDENT COHORT TRENDS



ACCELERATED NURSING STUDENT COHORT TRENDS



TRADITIONAL PROGRAM GRADUATION RATE

Academic Year 2022-23

64%

ACCELERATED PROGRAM GRADUATION RATE

Academic Year 2023-24

88%

THREE-YEAR AVERAGE NCLEX PASS RATE (2021-23)

80%

UNC SYSTEM NURSING PROGRAM EXPANSION GRANT AWARD

\$2.36 MILLION

- **Goal:** 10% annual enrollment increase until max enrollment is achieved
- **Timeline:** 2 years
- **Resources:** Academic supports for pre-nursing and nursing students to improve on-time graduation rates, mobile clinic and simulation lab.

University of North Carolina at Chapel Hill

Chapel Hill, North Carolina

PRELICENSURE NURSING PROFILE

MAX CAPACITY

380

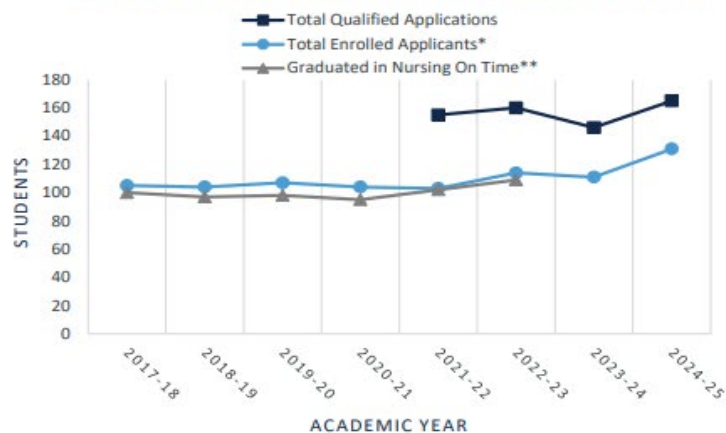
Enrollment as Percentage of Max Capacity

88%

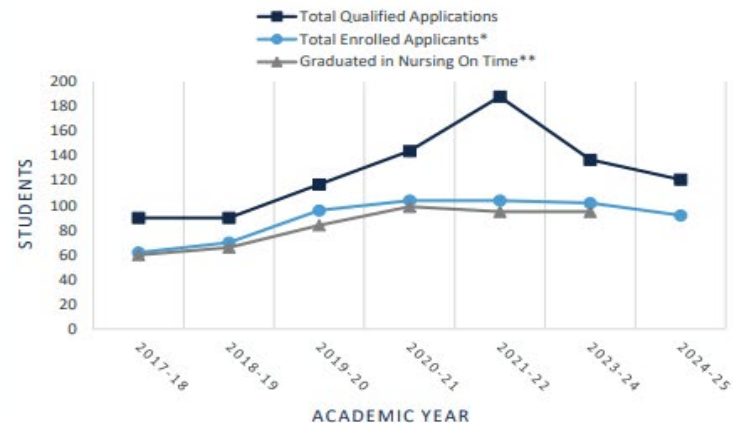
RESIDENT TUITION

\$7,019

TRADITIONAL NURSING STUDENT COHORT TRENDS



ACCELERATED NURSING STUDENT COHORT TRENDS



TRADITIONAL PROGRAM GRADUATION RATE

Academic Year 2022-23

96%

ACCELERATED PROGRAM GRADUATION RATE

Academic Year 2023-24

93%

THREE-YEAR AVERAGE NCLEX PASS RATE (2021-23)

99%

UNC SYSTEM NURSING PROGRAM EXPANSION GRANT AWARD

\$2.69 MILLION

- **Goal:** 20% enrollment increase
- **Timeline:** 3 years
- **Resources:** Faculty, simulation lab equipment, preceptor stipends



East Carolina University

Greenville, North Carolina

PRELICENSURE NURSING PROFILE

MAX CAPACITY

575

Enrollment as Percentage
of Max Capacity

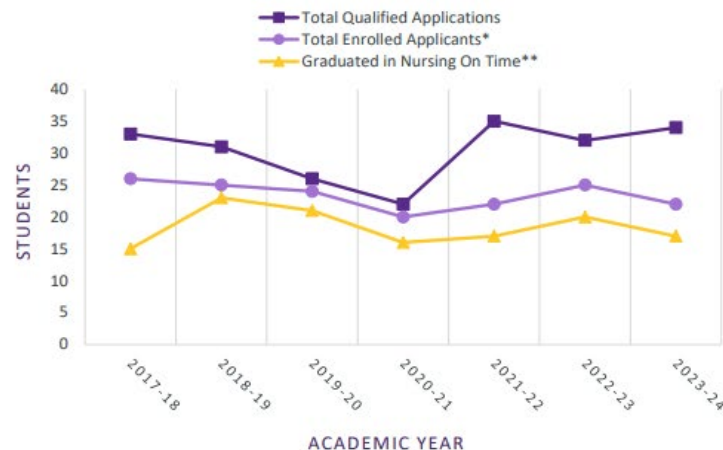
88%

RESIDENT TUITION

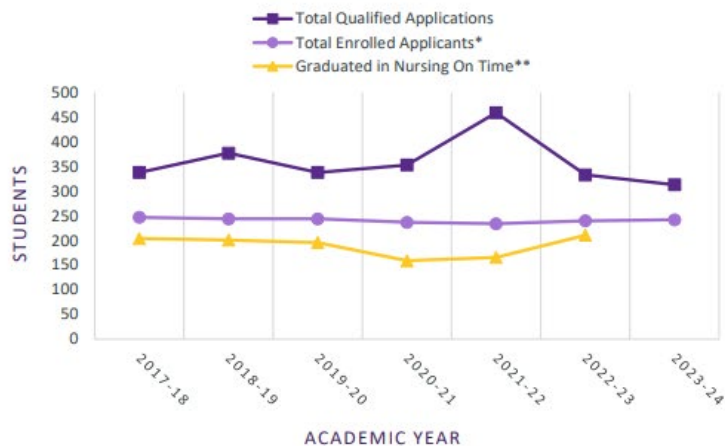
\$4,452



ACCELERATED NURSING STUDENT COHORT TRENDS



TRADITIONAL NURSING STUDENT COHORT TRENDS



TRADITIONAL PROGRAM GRADUATION RATE

Academic Year 2022-23

88%

ACCELERATED PROGRAM GRADUATION RATE

Academic Year 2023-24

77%

THREE-YEAR AVERAGE NCLEX PASS RATE (2021-23)

96%

UNC SYSTEM NURSING PROGRAM EXPANSION GRANT AWARD

\$3 MILLION

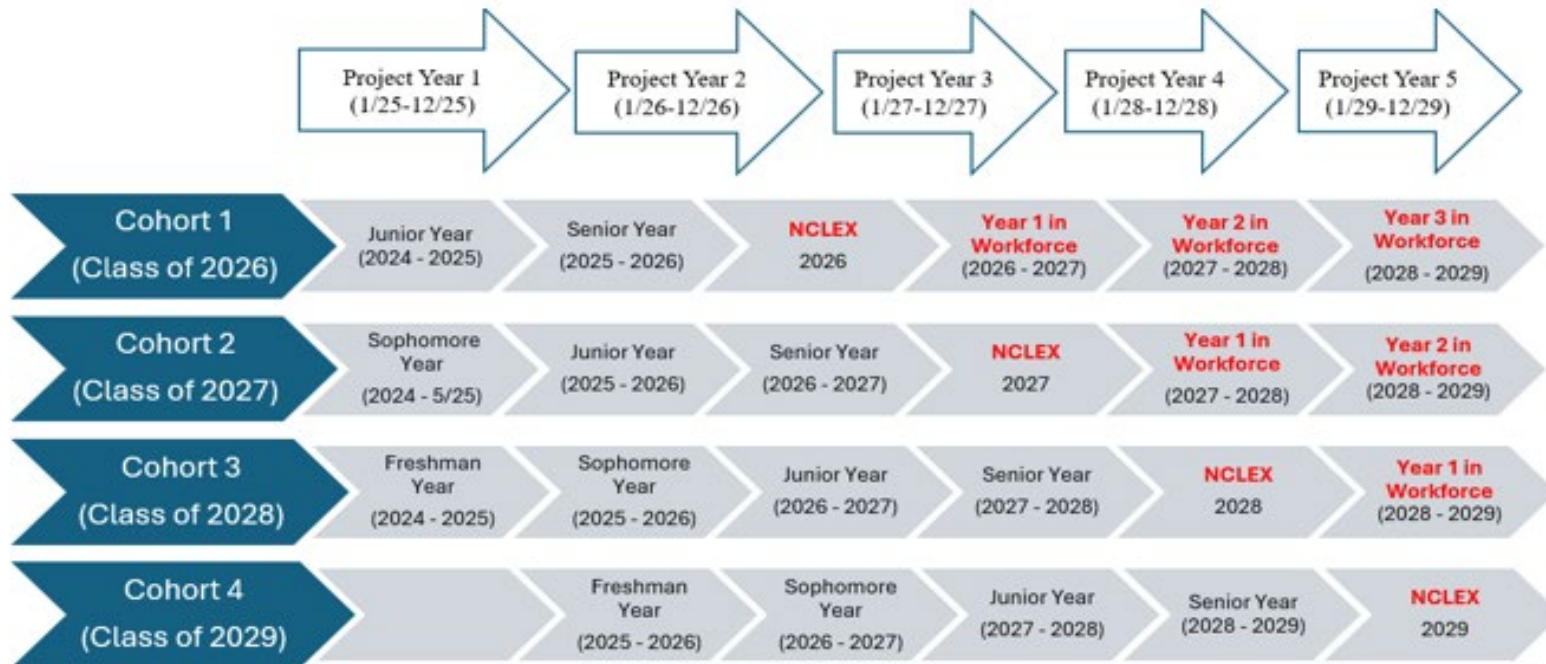
- **Goal:** Expand accelerated nursing program by 16 students, launch accelerated medic-BSN program
- **Timeline:** 3 years



Sheps Center Nursing Program Evaluation

- **Timeline: January 2025 – December 2029**
- Evaluation will measure impact of expansion grants and NC nursing workforce retention
- ROI evaluation will include following metrics:
 - Enrollment, attrition, and program graduates
 - Faculty vacancy rates, student supports
 - Use of simulation lab space by course
 - Clinical placements
 - Program pathways

Project timeline and cohorts





**THE UNIVERSITY OF
NORTH CAROLINA SYSTEM**



**THE UNIVERSITY OF
NORTH CAROLINA SYSTEM**

UNC SYSTEM RURAL RESIDENCY AND MEDICAL EDUCATION TRAINING FUND

Katherine Martin
November 13, 2024

UNC System Rural Residency Medical Education Training Fund

- FY 2023-25 Total Appropriation: **\$23.5 million**
- Purpose of fund:
 - Expand or establish new rural residency training programs across ECU Health and UNC Health.
 - Improve physician retention in rural and underserved areas.
 - Identify ROI on post-residency retention for 6 physician specialties:

Family Medicine	Pediatrics	Psychiatry
Internal Medicine	General Surgery	OBGYN

Fund Allocations across FY 2023-25 Biennium

- **UNC Sheps Center: \$1.2 million**
- **ECU School of Medicine: \$8.92 million**
- **UNC School of Medicine: \$13.38 million**

Problem: Not Enough Primary care Doctors in Rural North Carolina

Class of 2018 Outcomes: Retention in Primary Care

Figure 1 shows the number of 2018 North Carolina medical graduates in primary care.

Figure 1: Retention of 2018 NC Medical Graduates in NC Rural Primary Care Five Years After Graduating

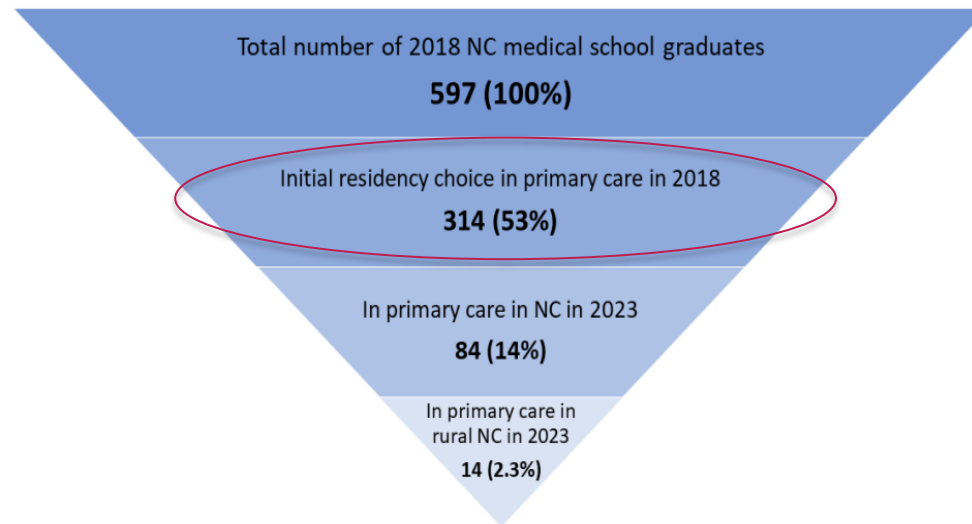


Figure 1: Produced by the Program on Health Workforce Research and Policy, Sheps Center for Health Services Research, University of North Carolina at Chapel Hill. Source: North Carolina Health Professions Data System with data derived from the NC Medical Board and the respective medical schools, 2023. Rural source: US Census Bureau and Office of Management and Budget, July 2023. "Core Based Statistical Area" (CBSA) is the OMB's collective term for Metropolitan and Micropolitan Statistical areas. Here, nonmetropolitan counties include micropolitan and counties outside of CBSAs.

Solution: More Rural Residency Training Programs

- **North Carolina Landscape:**
 - 70 residency programs that represent 6 high-need specialties
 - 10 programs – 50% or greater resident training time in a rural site.
- Physicians are more likely to practice in a rural health care setting if they complete a significant portion of their residency training in a rural area.
 - “Over 50 percent of family medicine residents who spent more than 50% of training in a rural setting were 5 times more likely to practice in a rural setting.” - *Journal of Graduate Medical Education* (2022)

Rural Residency Fund Parameters

- Establish new or expand rural training programs for 6 high-need physician specialties.
- \$750,000 max for program start-up costs.
- \$175,000 limit per-resident (salaries, benefits, travel, housing).
- 30% of resident training must be completed in a defined rural area.
- Residents must complete portion of rural training in a non-hospital setting.

Rural Residency Fund Flexibility

- Encourages faster development of more rural training opportunities.
 - Federal GME funding for rural track programs requires at least 51% of training to be in rural counties.
 - It can be difficult for programs to meet this requirement.
 - Rural rotations can be a catalyst to more rural training programs.
 - Programs can be sustained by state GME dollars if 30% of resident training is in rural census tracts.
- Funds can be sustained by federal GME
 - ECU or UNC Health can use UNC Rural Residency funds for seed funding to start new programs.
 - Programs can be sustained by federal GME dollars if 51% of resident training is in a rural county.
- Supports health care settings not eligible or receive low federal GME funds.
 - Critical Access Hospitals
 - Sole Community Hospitals
 - Community Health Centers
- Combination of state funds and federal GME reforms can expedite rural training capacity
 - CAA 2021: Section 127 “separate accreditation” rule simplifies rural training planning process.

ECU and UNC Rural Residency Training Highlights

UNC SOM+UNC Health

- **FIRST program (est. 2015)**
 - 3-year medical school
 - 3-year residency
 - 3-year rural placement
- **Rural Training Track Program: (est. 2011)**
 - Chatham Hospital partnership with Prospect Hill and Siler City community health centers.

ECU SOM+ ECU Health

- **Rural Family Medicine Training Program (est. 2021)**

Rural Residency Fund: Reporting Requirements

- Annual reporting requirements will capture baseline data, incremental progress on expansion by residency program, and bring transparency to GME financing across ECU and UNC Health:
 - Baseline number of residents in existing rural residency programs.
 - Total number of additional residents to be funded for new or expanded rural residency programs.
 - Name of residency program, location, and number of residents sponsored for new or expanding residency programs.
 - Program training sites and percentage training time projected or spent at each site.
 - Recruitment characteristics for incoming residents.
 - Report on graduate outcomes.

THANK YOU