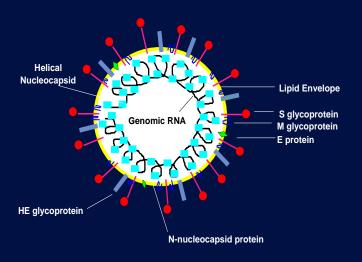
COVID-19 (2019 nCo-V)

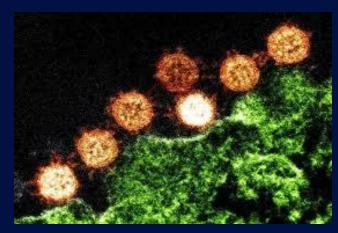
David Jay Weber, M.D., M.P.H., FSHEA, FIDSA, FRSM (London)
Professor of Medicine, Pediatrics, Epidemiology
Associate Chief Medical Officer, UNC Hospitals
Medical Director, Hospital Epidemiology
University of North Carolina at Chapel Hill

Disclosures: Consultant to PDI, Germitec, Lumagenics, Pfizer; Past Consultant, Merck

CORONAVIRUSES

- Single-stranded, linear, positive-sense RNA, enveloped virus, 120-160 nm
- Reservoirs: Humans, multiple animal species, bats
- Epidemiology: Worldwide; winter and spring in temperate climate
- Syndromes
 - Common colds: Common cause of upper respiratory tract infections
 - Lower tract infections (pneumonia) in immunocompromised individuals and older adults
 - Gastroenteritis
 - Endemic coronaviruses: 229E, HKU1, NL63, OC43
 - Epidemic coronaviruses: SARS, MERS, COVID-19 (nCo-V-19)



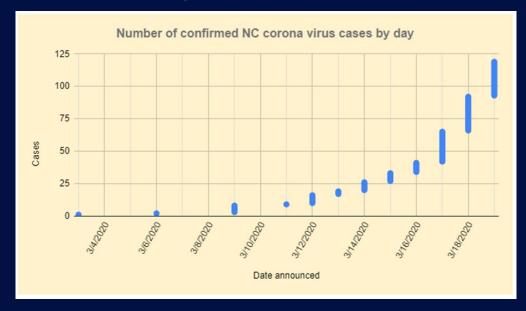


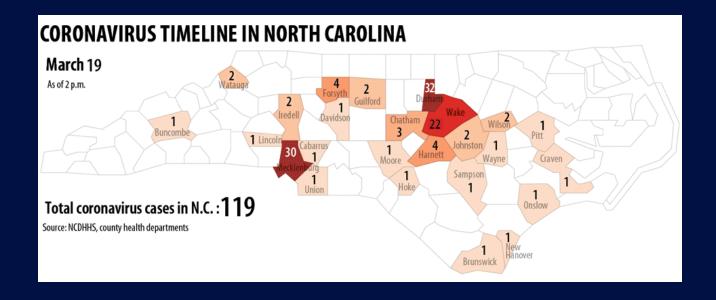
UPDATE: COVID-19 INFECTION

- Transmission: Droplet/contact; also likely, indirect contact
- Incubation period: Median, 5 days; mean, 7 days; range, 2-14 days (possible outliers up to 27 days)
- Experience in China
 - Majority of cases arise from close contacts of symptomatic cases; 1-5% of 38,000 close contacts developed
 COVID-19
 - Transmission is driven by family-clusters (i.e. 75-85% of clusters)
- At diagnosis: ~80% are mild/moderate; ~15% severe; ~5% critical
- Progression: ~10-15% of mild/moderate cases become severe, and ~15-20% of severe become critical
- Mortality: 1%-3%; case fatality rate (if hospitalized, ~15%)
 - Risk of dying related to age: 0-39, 0.2%; 40-49, 0; 50-59, 1.3%; 60-69, 3.7%; 70-79, 8.3%; ≥80, 16.7%
 - Higher risk of dying in persons with underlying diseases
- Treatment: Supportive (no vaccine and no specific drug therapy available)

COVID-19: EPIDEMIOLOGY, COMMENTS

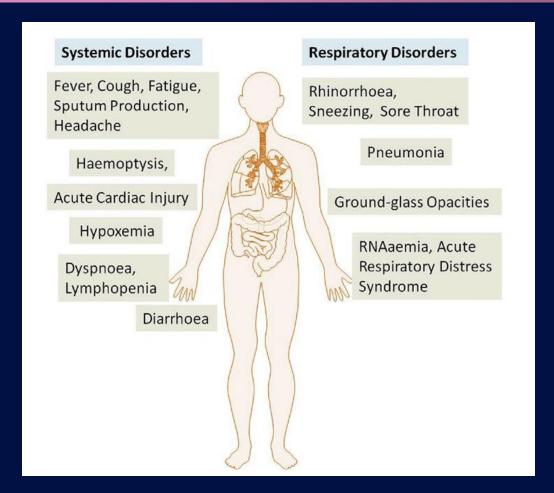
- Cases: Global: >215,500 (~9,000 deaths), >140 countries with cases
 - China has gone 24 hours without community transmission; Outside China: Italy, >35,000 (~3,000 deaths); Spain,>13,500 (~600), France, >9,000
 - US: >8,300 (~150 deaths); NC, 97 cases (0 deaths) 23 counties reporting cases; doubling time every 2-3 days
- Comments
 - NC now has community transmission
 - Major limitations on our COVID-19 response: Critically shortages of PPE and limitations on COVID-19 test material





SYMPTOMS of nCo-V

- Uncomplicated upper respiratory infection
 - Fever, cough, sore throat, nasal congestion
 - Malaise, headache, muscle aches
 - Shortness of breath
- Most patients have reportedly had mild to moderate respiratory illness
- Older and immunocompromised patients may present with atypical symptoms (e.g., no fever)
- Complications for infection
 - Mild to severe pneumonia
 - Acute Respiratory Distress Syndrome
 - Sepsis
 - Septic shock



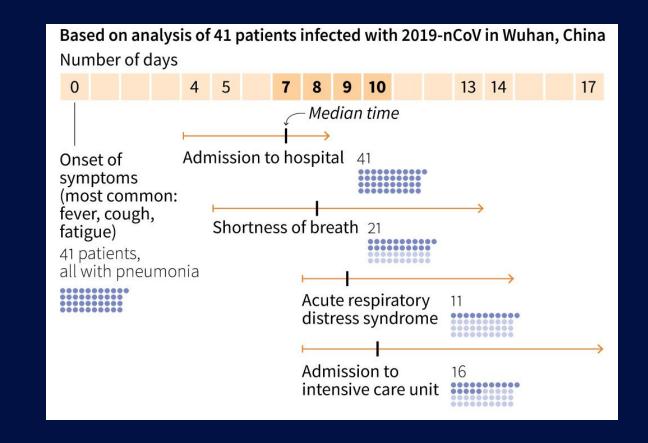
WHO. https://www.who.int/internal-publications-detail/clinical-management-of-severe-acute-respiratory-infection-when-novel-coronavirus-(ncov)-infection-is-suspected. 24 January; Rothan HA, Byrareddy SN. J Autoimmunity (In press)

COVID-19, TIME LINE OF INFECTION COURSE

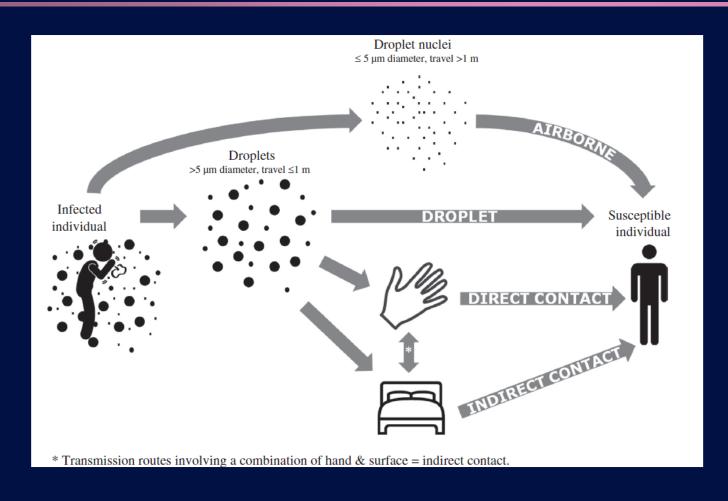
Symptoms begin

4-5
days
after exposure

(range 2-14)



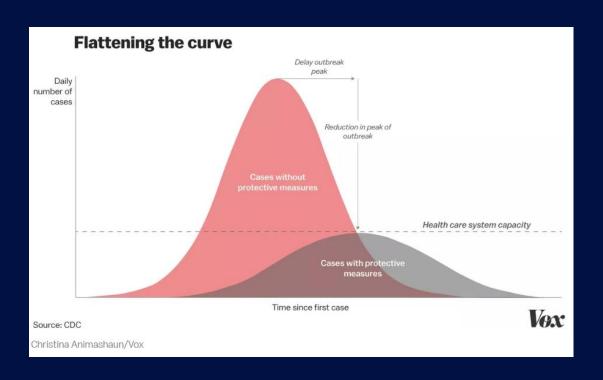
LIKELY TRANSMISSION ROUTES FOR nCo-V



Understanding the epidemiology of COVID-19 allows one to safely manage patients and informs public health on necessary control measures

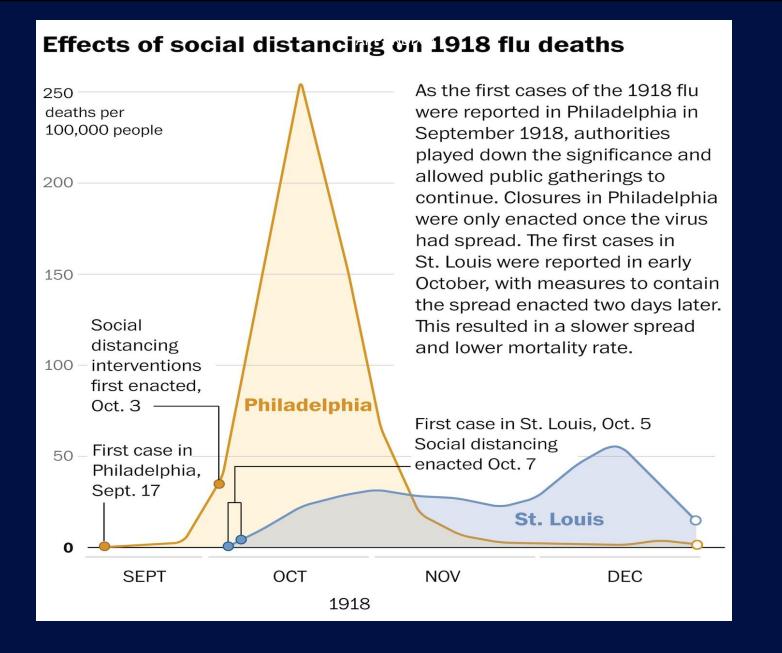
KEYS TO COVID-19 MITIGATION: SOCIAL DISTANCING AND DIAGNOSTIC TESTING

SOCIAL DISTANCING FLATTENS THE CURVE!!

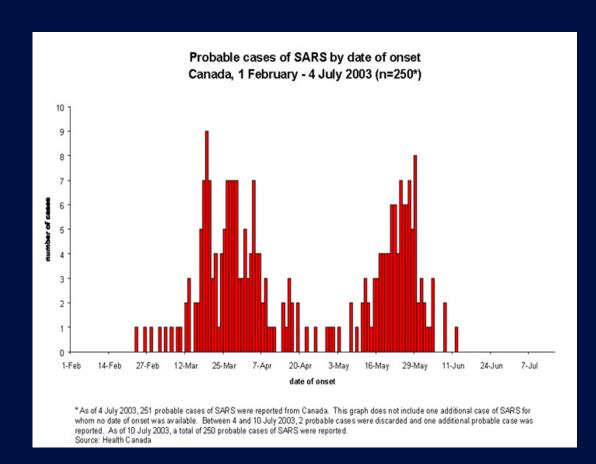


MITIGATION STRATEGIES

- Public health interventions
 - Quarantine: Separates and restricts persons exposed to an infectious disease
 - Isolation: Separates and restricts persons who have an infectious disease
 - Case finding: Used by Public Health Departments to locate persons exposed to a known case
 - All of above are dependent on have availability of access to a rapid, sensitive and specific diagnosis test
- Social distancing
 - Must be maintained for 2-3 incubation periods after community acquisition has ceased

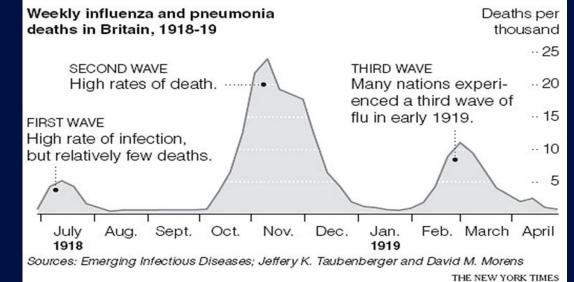


PROJECTING THE FUTURE OF THE COVID PANDEMIC



The 1918 Pandemic

The influenza pandemic of 1918 spread across Europe, Asia and North America in three distinct but uneven waves, and was fatal for about 2 percent of those who caught it. Global data is incomplete, but death rates in Britain hint at the severity of the three waves.



HOPE FOR THE BEST, BUT PREPARE FOR THE WORST (Benjamin Disraeli)

Wuhan



US, 1918





Social distancing, Italy



Italian hospital



Interim President Roper's Report to the UNC Board of Governors March 20, 2020

Greetings everyone.

I want to devote the first portion of my address to a special guest speaker, who will update you further about coronavirus/COVID-19 matters.

Dr. David Weber is an internist, infectious disease specialist, and epidemiologist. He is the medical director of hospital epidemiology at UNC Hospitals and associate chief medical officer for UNC Health.

He is going to speak briefly and then can take a few questions. His accompanying slides were sent to you earlier and are posted on Board Effect.

As you all know, we are in the midst of a very serious health crisis. COVID-19 presents the UNC System and North Carolina with some unprecedented challenges.

Thank you Dr. Weber for your insight on this matter.

On a personal note, my son, who is a resident at UNC Health, was talking with my wife and I, and he offered us this reflection: "We will get past this, but to get past it we need to get through it."

I say this myself based on my own experience as a healthcare professional. I am confident that things are going to get better. But I am also confident that it's going to get worse before it gets better ... but it will get better.

I've been truly impressed with all of the work taking place at our 17 institutions and affiliates. In the face of trying circumstances, we are all working together toward a common end ... with an inspiring spirit of collaboration.

In the course of a few short weeks, our institutions have adapted quickly to a rapidly changing environment:

- We've recalled our students travelling abroad.
- In light of the CDC guidance announced this week, we have directed each institution to cancel or postpone gatherings that assemble 50 or more individuals.
- And we are mindful of the CDC's additional guidance to try to avoid crowds of more than 10 people.
- All University-sponsored travel outside North Carolina has been suspended.



- Our System-wide move from in-person instruction to a system of alternative course delivery is progressing.
- And I'm proud to share that more than 95 percent of UNC System classes are now online-ready. Our
 institutions tackled this challenge in two weeks, which is remarkable.
- We continue to substantially reduce the number of students on campus and in university housing by requiring that students who want to stay on campus get permission to do so.
- Originally, we tried encouraging students to stay away. This opt-out approach saw 30-40 percent of students remaining on campus. By shifting to a policy of requiring students to seek permission to stay on campus, we hope to see the number of those who remain fall closer to 10 percent on each campus.
- Importantly, we also understand that for some students, their only access to online course resources,
 housing, and food may be through their campus residence halls and dining facilities. Our institutions will
 continue to serve these students. Our institutions are doing the critical work to ensure that those
 students who remain have facilities that are safe, and that effective quarantine and isolation plans are in
 place, should they be needed.

Unfortunately, that time frame reaches into our commencement season. Simply put, we are facing the increasing likelihood that spring graduation ceremonies will be disrupted. I know and understand that this will disappoint our students and their families, who have worked toward this goal for so many years. But the health and safety of our students, faculty, and staff must be our top priority. We will work with our Chancellors as they consider how to celebrate academic achievement in due course. Plans for each university will be individualized by the universities.

Quite naturally, students and parents have contacted the System Office and our institutions with questions and concerns. There are many, many moving parts to this situation ... and they are moving very quickly. We are applying the principles of triage, dealing with the most acute items first, but I promise you that we are working to deal with all issues as quickly and as thoughtfully as we can.

We are addressing the most critical issues first: health and safety, the transition to online learning, and the well-being of our students in need. Matters related to fees, room and board, and grades are also important... We expect to be in position to start to answer those questions in the next week.

COVID-19 might be front and center on everyone's minds this week. But it is not the only significant challenge we face. The state budget stalemate continues to disrupt the University's capacity to serve its students and North Carolina.

Since our last meeting, I've visited Western Carolina, the North Carolina School of Science and Mathematics campus in Morganton, and UNC Pembroke, and I've seen firsthand how the failure to enact a budget has been detrimental to our institutions.



The consequences of not having a budget in place reach every corner of the state. Ultimately this impact will be felt most profoundly by our students and the communities we serve.

We had plans to visit ECSU and ECU, and later UNCG and N.C. A&T, but the coronavirus has forced us to postpone those visits.

Elsewhere, our five lab schools across the state are serving as "nutrition hubs" during this crisis. The schools are closed, but school nutrition programs continue. Families can pick up breakfast and lunch for their children who are enrolled and, in many cases, younger siblings.

These are vivid reminders that the UNC System's work isn't just good for our students. ... it benefits all North Carolinians.

We are in a moment of national urgency. Now is not the time to let political disagreements hold up funding for our universities, which train, for example, a significant percentage of North Carolina's health care workers.

Speaking of the NC State Budget, we have two work streams, one is ongoing work regarding the regular state budget process, and the other is a new stream related to financial and other policy issues due to the coronavirus pandemic. Yesterday, in the committee on Budget and Finance, Rep. Fraley strongly urged the Board to continue with these two separate processes for now. They should come together in mid/late April.

I would like to conclude by drawing your attention to some important positive news that should not be overlooked.

Chancellor searches continue at four of our institutions.

- UNC Charlotte's search committee is on track to present no fewer than two candidates to me by the end of March.
- The School of the Arts search committee anticipates sending me its top candidates in April.
- Although COVID-19 has delayed search timelines at ECU and FSU, both institutions anticipate having new chancellors named for the fall term.

This week, Dr. Andrew Kelly and his team in Strategy and Policy released the latest numbers on each of our institutions' individual progress toward their Strategic Plan goals. I would encourage everyone to visit the System Office's strategic planning website to learn more. It is very good news, and I would like to single out two points.

 Three institutions met or exceeded their annual targets on all five of their priority metrics: UNC Greensboro, NC State, and UNC Charlotte



• I would like to specifically congratulate UNCG. Under Chancellor Gilliam's leadership, the university is the only institution to meet annual targets on all nine strategic plan metrics this year.

COVID-19 and the ongoing budget crisis present significant challenges to our capacity to maintain this truly remarkable momentum. But witnessing our faculty, students, families and leaders at every level of the UNC System, rallying together. That has filled me with great optimism. These are challenging times, and we will not get everything right, but we will make corrections as we move forward. The UNC System is rising to this challenge. And we are deeply grateful for the Board of Governors leadership and guidance.

Thank you ... and be well.



UNC Board of Governors March 20, 2020 Notable News from the UNC System

UNC System Office

Interim President Bill Roper visited three institutions – Western Carolina, North Carolina School of Science and Mathematics at Morganton, and UNC Pembroke – to review key infrastructure and operational needs resulting from the current state budget impasse. The visits included meetings with University leaders, business and community leaders, elected officials, and student and faculty leaders.

Chancellor search updates:

- The UNC Charlotte Search Committee Chair Mike Wilson reports that we have an excellent and diverse slate of semifinalists. After Board of Trustee approval and System-level interviews, a nomination is scheduled to be presented to the full Board of Governors in April.
- The UNC School of the Arts search committee has reviewed a strong pool of applicants and will be conducting initial interviews shortly. Board of Trustees Chair Ralph Womble expects to send recommended candidates to President Roper in April for a nomination to the full Board in May.
- The East Carolina University Chancellor Search Committee, chaired by Vern Davenport, will be reviewing applicants in the coming weeks. The goal is to have a new chancellor named for the fall term.
- The Fayetteville State University Chancellor Search committee is beginning its work and had planned constituent listening session for this month. These meetings were delayed in light of COVID-19 guidance on large gatherings. Chair Stuart Augustine is reworking the timeline and expects to accomplish the goal of having a new chancellor in place for the fall 2020 term.

Interim President Roper provided System-wide guidance on COVID-19, novel coronavirus:

- All UNC System institutions will transition from in-person instruction to a system of alternative course delivery, where possible and practical, no later than March 20. Alternative course delivery will begin on March 23 and last indefinitely. Our goal is to return to in-person instruction as soon as reasonably possible. Each institution will communicate the specific details to its students and faculty.
- University leadership will determine which classes, such as those with labs, will continue to require in-person instruction and attendance.
- Outside events and gatherings of 100 or more people will be cancelled or postponed unless otherwise authorized by a chancellor or provost.
- University-sponsored in-state travel to gatherings of 100 or more people is suspended, and all travel outside the state is suspended, unless otherwise authorized by a chancellor or provost.

Interim President Roper joined the Governor's Task Force on Coronavirus, and he and Chris McClure attended the Task Force meeting on Wednesday morning. Afterwards, he recorded a video at UNC-TV to address internal and external stakeholders on the COVID-19 coronavirus.

Appalachian State University

The Appalachian State University Police Department (APD) has been named one of the top 25 university departments in the country by Safe Campus: The National Campus Safety Summit. The ranked universities were cited for increasing the safety and security of their campus community and making a difference in student safety. APD was ranked No. 18. In 2019, APD was named Law Enforcement Agency



UNC Board of Governors March 20, 2020 Notable News from the UNC System

of the Year by the North Carolina Police Executives Association — primarily for its Appalachian Police Officer Development Program (APDP), the second of its kind in the nation and the only in NC.

For a decade, Appalachian State University has been recognized as a Military Friendly® School by VIQTORY for its support of and resources for student veterans and active-duty military members. This year, the university also earned the distinction of being one of the Top 10 Military Friendly® Schools in the nation for 2020–21. App State offers a variety of services and resources for student veterans and military—affiliated students — including a dedicated resource center, a special admissions webpage, targeted orientation and advising sessions for veterans, and a student veteran association.

In less than two years, New River Light and Power (NRLP), the utility owned and operated by Appalachian State University, will begin purchasing power from NTE Carolinas LLC. NRLP serves nearly 8,500 residential and commercial customers who reside in and near Boone. It was the fifth lowest cost provider in the state, on average, for residential customers in 2018, according to U.S. Energy Information Administration data. A 10% cost reduction has been passed along to NRLP customers since March 2019, and additional savings of 5-7% is expected for customers under the new agreement.

East Carolina University

Construction of the ECU Life Sciences and Biotechnology Building reached a milestone with a "topping out" ceremony in February. Funded through the Connect NC bond referendum, the \$90 million building is slated to open in August of 2021 and will house interdisciplinary research in biotechnology, bioprocessing, biophysics, biofuels, plant biology, imaging and sensor development, and environmental biology. The 141,500 square-foot building will feature four stories with wet bench and computational laboratory spaces for researchers across a variety of academic disciplines.

Now in its third year, the Pirate Challenge is the signature pitch competition of ECU's College of Business and its Miller School of Entrepreneurship, with \$100,000 in cash prizes and in-kind services to top competitors. A biology graduate and her software developer husband took first place and a cash prize of \$15,000 for their online company, FishingLicense.us, which streamlines registering for a fishing license with the goal of making outdoor recreation more accessible.

A \$400,000 grant from the Duke Endowment to the ECU School of Dental Medicine will allow the school to offer comprehensive dental exams, X-rays, cleanings, fluoride varnish application, and dental sealants to all public elementary and middle school children in Bertie County over the next two years. Bertie County has only two licensed dentists for a population more than 21,000 and 19% of the kindergartners screened had untreated tooth decay. The program is underway at Windsor Elementary School.

Elizabeth City State University

According to the spring 2020 enrollment census, ECSU has seen a 6.7 percent overall increase compared to spring 2019 – a jump from 1,508 in 2019 to 1,670 in 2020. In spring 2019, 1,332 continuing students enrolled at ECSU, and spring 2020 saw 1,456 continuing students enrolled. That represents a 10 percent increase in continuing student enrollment. Transfer student enrollment increased 36.7 percent. In spring 2019, there were 49 transfer students compared to spring 2020 with 67 transfer students.



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Blue Cross and Blue Shield of North Carolina has awarded ECSU a \$250,000 grant to assist with student retention. The grant funds will assist in the creation of the Successful Retention Collaborative (SRC) Task Force. ECSU students who are unable to fulfill their financial obligation due to a number of reasons will receive assistance from the SRC Task Force along with grants. The SRC Task Force will award students mini-grants or emergency funds to reduce "stop out," temporarily breaking from the pursuit of their degrees. The students who are assisted must demonstrate that they are academically capable of maintaining their GPA requirements and are on a path to graduation as a result of the assistance. The task force expects to designate more than 75 awards of at least \$1,000.

Chancellor Karrie G. Dixon has been named one of "The Ten Most Dominant HBCU Leaders of 2020" by the HBCU Campaign Fund. According to their website, this is the third group of leaders to be named by the Fund, stating that this "group of individuals has proven their responsibilities for shaking policies, changing perspectives and making decisions that affect millions of individuals in the higher education sector and the daily needs of an HBCU or Minority-Serving Institution."

Eight Elizabeth City State University students, who were awarded a total of \$43,500 from the Dwight David Eisenhower Transportation Fellowship Program in December 2019, recently attended the Transportation Research Board (TRB) conference in January. The students participated in the event with more than 13,000 people in Washington D. C. The Eisenhower Fellowship, awarded through the U.S. Department of Transportation's Federal Highway Administration, is affording the ECSU students the opportunity to participate in various research projects under the direction of university faculty.

Fayetteville State University

Fayetteville State University's uChargelt team, led by Steven Payne, a MBA student in the Broadwell College of Business and Economics, developed a business plan based on an invention by Dr. Daryush Ila, AVC for Research and Technology. This plan makes them a finalist for the NASA Innovation Competition at Johnson Space Center. This invention integrates a highly efficient piezoelectric material, produced by NASA, into belts and vests, designed at FSU, in order to charge batteries for mobile devices at high rates. This technology will prove useful for everyone, including warfighters and astronauts, whether they are inside or outside their space capsules. The team was supervised by Dr. Assad Tavakoli, the W.T. Brown Endowed Chair and Distinguished Professor of Economics. In addition to Payne, the team consisted of ZaMetria Wall, Business Administration; Marina Better, Biology; and Lianis Reyes-Rosa, Chemistry.

Dr. Nicole Anthony, assistant professor of special education, under the direction of Dr. Pamela Jackson, provost and cice chancellor for Academic Affairs, formed an Autism Advisory Council to address the complex needs of children and families affected by autism in the Cumberland County region. The council is believed to be the only one of its kind in the country at an HBCU addressing the needs of children and families impacted by autism.

FSU was recognized by the U.S. Department of the Treasury as a 2020 HBCU Visionary Institution for its success in accessing federal contracts. USDOT recently established a priority to increase HBCU participation in federal contracting. The initiative encourages HBCUs to seek approval as GSA Schedule contract vendors, which can significantly expedite the procurement process for federal contracting opportunities. FSU is one of only two HBCU's which currently have these GSA Schedule contracts.



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N.C. A&T State University

Two students for the College of Agriculture and Environmental Science were named to USDA's Future Leaders in Agriculture program. Bobby Brooks, an animal science undergraduate student, and Christina Bradshaw, an integrated animal health systems graduate student, were two of 30 students from across the nation selected to participate in a weeklong trip to Washington, D.C.

Professors Solomon Billilign, Ph.D., and Yuh-Lang Lin, Ph.D. served on the climate advisory panel for the independent, peer-reviewed North Carolina Climate Science Report released March 11. Billilign also contributed his expertise as a co-author of the report. The Carolina Institute for Climate Studies (NCICS) at NC Stte released the report, which presented key findings regarding historical trends and potential future changes in climate across the state as a result of increased greenhouse gas concentrations.

Political science student Brenda Caldwell has been named a 2020 finalist for the Truman Scholarship, a premier fellowship for those pursuing careers as public service leaders. She was invited to interview in the first panel of students in Washington, D.C., after completing a competitive campus selection process through N.C. A&T Extraordinary Opportunities.

North Carolina Central University

The School of Education has been awarded \$3.7 million to expand diversity among school administrators. The funds are provided by the Central Carolina Regional Education Service Alliance (CCRESA) to bolster the university's efforts in producing a diverse pool of Master of School Administration graduates. The four-year grant to NCCU's School of Education will provide funding to implement the Central Carolina Principal Preparation Program.

A new full-service U.S. Passport Office was opened on the campus of NCCU to meet the travel needs of the Central Durham community. The U.S. State Department oversees the passport office and trained university employees to serve as official agents at the site. NCCU is the second higher education campus to offer the service in the Triangle area.

Dr. William "Bill" McNeal and his wife, Nata Fayette "Faye" McNeal understand the importance of a high-quality education in a well-lived life. Faith in education was at the core of the career choices made by the two lifelong educators, as well as their decision to establish a \$25,000 endowment for student scholarships in the School of Education.

NC State University

Three alumni who have passionately supported NC State for decades earned the Watauga Medal, the university's highest nonacademic honor, at the Founders' Day Dinner. The Board of Trustees presents the annual award to recognize individuals who have made significant contributions to the advancement of NC State: Nancy Ridenhour, Kady Gjessing, and Steve Angel.

Researchers from the Chinese Academy of Sciences and NC State University have found evidence of preserved fragments of proteins and apparent chromosomes within isolated cell-like microstructures in



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cartilage from a baby duckbilled dinosaur. The findings further support the idea that these original molecules can persist for tens of millions of years.

Research at NC State University shows that the CRISPR-Cas system can be used to effectively target and eliminate specific gut bacteria, in this case Clostridioides difficile, the pathogen that causes colitis – a chronic, degenerative disease of the colon.

UNC Asheville

Assistant Professor of Physics and Astronomy Britt Lundgren has been named a 2020 Cottrell Scholar, an honor that comes with a \$100,000 prize from the Research Corporation for Science Advancement (RCSA) in support of her research on how galaxies evolve over cosmic timescales. The 2020 Cottrell Scholar award provides support over a three-year period. Previously, Professor of Medicinal Chemistry Amanda Wolfe was named a Cottrell Scholar in 2017 for her work in developing new antibiotics.

Alumna Kerri Eaker has been appointed as the chair of the North Carolina Council on Developmental Disabilities (NCCDD) by Governor Roy Cooper. Eaker, the Family Support Outreach Coordinator for The Family Support Network™ of WNC at Mission Children's Hospital in Asheville will preside over NCCDD Council meetings, serve as Chair of the Executive Committee, and represent the Council to the public and to policymakers among other duties.

A U.S. Fulbright Student 17-18 Ghana Alumni, UNC Asheville Director of Africana Studies Tiece Ruffin received a grant from the U.S. Department of State for a public service project in Ghana via the Citizen Diplomacy Action Fund for U.S. Alumni. Ruffin and her fellow grantees have partnered the Ghana Federation of Disability Organizations (GFD) to implement the Universal Design for Learning component of Ghana's Inclusive Education Policy. The Universal Design for Learning is a framework for teaching and learning, which underlines the proactive planning of the curricula in terms of goals, assessment and flexibility, among others, in a way that works for both teachers and learners.

UNC-Chapel Hill

UNC-Chapel Hill and ViiV Healthcare announced a \$20 million, 5-year renewal of a groundbreaking partnership focused on finding a cure for HIV. This unique collaboration will continue making discoveries and advancing a cure for HIV, one the most pressing challenges of our time.

In January, the Board of Trustees unanimously endorsed Carolina Next: Innovations for Public Good, our new strategic plan. This bold roadmap identifies an actionable, measurable and impactful set of goals that will guide Carolina in becoming the leading global public research university in the nation, providing an outstanding, accessible and affordable education, and applying our expertise for the benefit of the people of North Carolina, the nation and the world.

Terry Rhodes was named dean of the College of Arts & Sciences, after serving as interim dean since February 2019. She is the first faculty member from the fine arts to be named dean of the College since it took its modern-day name in 1935. She has already introduced key initiatives that will foster dialogue around important issues, and we are confident that she is well-positioned to continue the trajectory of excellence of the largest academic unit at Carolina.



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UNC Charlotte

UNC Charlotte's chancellor, Philip L. Dubois, in recognition of the University's tremendous growth and achievement over the course of his tenure, has been named by the *Charlotte Business Journal* as recipient of its Most Admired CEO Lifetime Achievement Award. Prompting the award is the university's unprecedented growth in enrollment, capital investment, and programming between Dubois' 2005 arrival and his announced retirement date of June 30. Dubois oversaw record-breaking enrollment, unprecedented academic program and research growth, and capital improvements that total \$1.2 billion.

James Walsh, a core faculty member in the Public Policy program and professor in the Department of Political Science and Public Administration, is the 2020 recipient of the First Citizens Bank Scholars Medal, UNC Charlotte's most prestigious faculty award in recognition of excellence in research. He was honored at a special ceremony Tuesday, March 10 at the Harris Alumni Center at Johnson Glen.

John Connaughton, Barings Professor of Financial Economics at UNC Charlotte's Belk College of Business, is forecasting an extended period of "sluggish growth" for the state's economy in 2020. The full report is available at belkcollege.uncc.edu/forecast.

UNC Greensboro

UNCG ranks No. 1 in North Carolina and No. 7 in the United States in the Master's Programs Guide "10 Most Affordable Online Graduate Schools" list. The rankings were compiled using five data points: graduation rate, affordability, earnings potential, selectivity, and breadth of online graduate offerings. UNCG is the only North Carolina university to make the list.

The Digital Library on American Slavery at UNC Greensboro has been recognized by the National Park Service (NPS) as the first-ever "virtual" stop on the Underground Railroad Network to Freedom. The recognition is the first of its kind for the NPS, and it is significant not only for UNCG, but for the broader community, region, and beyond. As a "virtual" stop, members of the public can access the thousands of resources within the Digital Library on American Slavery from the comfort of their homes, as opposed to visiting a physical marker, building, or monument.

Recent graduate Akecicia "Keci" Steward '19 has been recognized for outstanding leadership and service by North Carolina Campus Compact, a statewide network of colleges and universities that are committed to community engagement. Steward is one of 22 recipients of the network's Community Impact Student Award, which honors one student leader at each member school. The award recognizes students with a deep commitment to community involvement and ability to inspire peers.

UNC Pembroke

To further address the mental health needs of children and adolescents in the region, the College of Health Sciences has added a new play therapy curriculum. The Department of Counseling will begin offering the graduate courses this fall. Current students pursuing a degree in a mental health-related field, such as counseling and social work, are eligible. Practitioners and counselors can also utilize the new program to become a registered play therapist or school-based registered play therapist.



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Kaitlyn Deal, who balances her studies at UNC Pembroke and volunteer work at a local elementary school, was named Miss Indian North Carolina. Deal was crowned during the United Tribes of North Carolina-sponsored pageant in Lumberton.

Senior Lemuel Subdias placed second overall at the annual Peach Belt Conference Art Exhibition. Subdias, a senior art studio major from Pinehurst, was recognized for his encaustic beeswax painting entitled "Pride." His piece was displayed on a slideshow during the 2020 Peach Belt Conference Basketball Tournament Championship.

UNC Wilmington

Chancellor Jose V. Sartarelli has been recognized as one of North Carolina's most influential leaders by *Business North Carolina*.

UNCW recognized faculty researchers and the importance of scholarship at its annual research reception. Three faculty were inducted into the university's One Million Dollar Club, which recognizes individuals who have received more than \$1 million in research funding. Dr. Christopher Finelli, a professor in the Department of Biology and Marine Biology, dean of the Graduate School, and interim executive director of marine sciences, was inducted into the Ten Million Dollar Club.

UNCW's Center for Innovation and Entrepreneurship is collaborating with the North Carolina Biotechnology Center to sponsor the NC Bioneer Venture Challenge, a life-sciences-related, innovation-focused challenge for southeastern North Carolina.

UNCW Assistant Professor of Nursing Hayley Estrem is participating in a \$2.66 million research project to identify signs that certain infants and young toddlers may develop chronic feeding disorders. The project includes researchers at UNC-Chapel Hill, Boston College, and UNCW.

UNCW's Center for Education in Science, Technology, Engineering and Mathematics (CESTEM) welcomed about 1,000 regional K-12 students as well as teachers, families, and community volunteers to campus for events that support STEM education. About 200 students from 11 Southeastern NC counties participated in the Regional Engineering & Science Fair on Feb. 15. On March 7, about 800 students from around the region visited the campus for the NC Science Olympiad regional competition.

UNC School of the Arts

School of Drama alumnus Isaac Powell stars as Tony in the reimagined Broadway musical *West Side Story*, which is one of the hottest tickets in New York City this season. Powell, from Greensboro, also starred in Broadway's *Once on This Island* upon his graduation in 2017.

The costume design program is among the top 10 of its kind in the world, according to *The Hollywood Reporter*. The program in the School of Design & Production has been in the top 10 since the list began in 2018. To develop the list, the national publication consulted with costume designers and professors to choose 10 top schools based on curriculum, reputation, alumni success and networking opportunities.



UNC Board of Governors March 20, 2020 Notable News from the UNC System

Working to support an increasingly female student body entering a male-dominated field, the School of Design & Production recently hosted an unprecedented "Weekend of Women+" also known as WOW+. The event brought together successful professional women+ from across the design and production industries for a weekend of workshops and featured a panel discussion with special guests discussing issues facing women+ in these industries.

"UNCSA Presents," the presenting series that brings world-class, professional entertainment to downtown Winston-Salem at the university's Stevens Center, was presented with a Downtown Excellence Award. Mayor Allen Joines presented the award during a ceremony held at the annual meeting of the Downtown Winston-Salem Partnership. "UNCSA Presents" launched in the summer of 2018 and has since reached more than 9,000 people through ticket sales to a wide variety of offerings, from the American Music Series to award-winning Broadway tours to shows for kids.

Western Carolina University

The Research and Scholarship Conference combines WCU's 22nd annual Undergraduate Exposition and the 28th Graduate Research Symposium. The RASC is WCU's largest showcase for both graduate and undergraduate academic, research and creative work for the year. The conference brings together students, faculty and staff, and the broader community, to engage in peer-to-peer discussions while allowing students the opportunity to present their research and scholarship in a professional setting.

Second-year student Jordan Rasheed has been chosen by Campus Compact, a nonprofit organization working to advance the public purposes of higher education, as one of 290 students to be among its 2020-21 cohort of Newman Civic Fellows. The fellowship, named for Campus Compact co-founder Frank Newman, is a yearlong program emphasizing personal, professional and civic growth for students who have demonstrated a capacity for leadership and an investment in solving public problems.

The Western Carolina University Board of Trustees unanimously approved a new policy establishing criteria for naming university programs and facilities, including a more extensive background screening process of potential honorees or donors.

Winston-Salem State University

Winston-Salem State University partnered with Wake Forest University to honor the 60th anniversary of the Winston-Salem sit-ins. The event honored the 21 students from both universities who united in 1960 to protest segregated lunch counters in Winston-Salem. As a result, Winston-Salem became the first Southern city to desegregate its lunch counters.

Winston-Salem State University's elementary education program has been recognized as one of the best in the nation—earning an "A" grade from the National Council on Teacher Quality. The score evaluates the scientifically based methods for teaching reading taught to elementary teacher candidates. A team of literacy experts examine every course in early reading and assesses readings, assignments, practice opportunities, and tests. The experts look for clear evidence of dedicated course time, as well as measures where aspiring teachers must demonstrate their knowledge of the five key components of the science of reading: phonemic awareness, phonics, fluency, vocabulary, and comprehension.



UNC Board of Governors March 20, 2020 Notable News from the UNC System

The Rams put on a performance for the ages when the team won the 2020 Central Intercollegiate Athletic Association (CIAA) Men's Basketball Championship with a 63-62 win over the Fayetteville State Broncos. The Rams came back from an 11-point deficit in the final five minutes of the game to claim the lead for good with just four seconds left to play. With the win, the Rams claim their first conference championship since 2012 and the 12th conference championship in school history.

North Carolina School of Science and Mathematics

The J. Alex and Vivian G. Mull Foundation (JAVGMF) has granted \$4,000 to assist in the construction of the NCSSM-Morganton campus. JAVGMF makes grants to non-profit programs or projects that focus on new projects and concerns that have a wide impact and are collaborative and entrepreneurial in nature.

With no operating funding for the new North Carolina School of Science and Mathematics campus being built in Morganton, the entry of the first group of residential students there is being delayed from August 2021 until August 2022, NCSSM Chancellor Todd Roberts announced.

Affiliates

UNC TV

Recognizing UNC-TV's crucial role in statewide early childhood education efforts, DHHS awarded three years of funding to support Rootle's efforts via NC's \$40M Federal Preschool Development Grant. This funding will support additional Rootle Block Party LIVE! events, Roadster "Pop-Ups," and Early Educator Trainings that reach over 10,000 participants annually with a particular focus on rural communities.

UNC-TV's year-end fundraising campaign, Winter of Discovery, brought engaging, motivational, and enriching programs to North Carolinians, resulting in \$1.46M of on-air, digital and direct mail contributions. The calendar year closed hot with both major and annual giving up 13% year over year and production support booking 90% of an \$850,000 annual goal.

A year-long integrated programming strategy in New Bern to spread economic benefits to all residents finished with the November premiere of *New Bern Rises Again*, a powerful documentary highlighting efforts in New Bern to recover from the devastating impacts of Hurricane Florence and to reconcile long-standing divides in the community. Along with the *Faces of New Bern* digital series, this documentary is a model for future content initiatives.

Capital Improvement Projects – East Carolina University, NC Central University, and UNC-Chapel Hill

ISSUE OVERVIEW

UNC System institutions are required to request authority from the Board of Governors to proceed with non-appropriated projects using available funds (non-general funds). Non-appropriated capital projects are funded by the institution and include the construction, repair, or renovation of facilities such as residence halls, dining facilities, research buildings, athletic facilities, and student health buildings.

There are three UNC System institutions that have requested a total of eight capital improvement projects: six new projects for authority and two projects for increased authorization.

I. NEW PROJECTS

	Institution/Project Title	Total Project Cost (\$)	Previous Authorization (\$)	Requested Authorization (\$)	Funding Source	
East	East Carolina University					
1.	Electrical Renovations at Brody Building & Central Plant	\$1,574,470	\$0	\$1,574,470	Carry-forward	
2.	MC College Hill Drive Steam - Phase 2 (Jones Manhole to Scott Manhole)	\$2,000,000	\$0	\$2,000,000	Carry-forward	
3.	MC Steam & Condensate -South and West of Building 43	\$2,250,000	\$0	\$2,250,000	Carry-forward	
4.	McGinnis to Wright-Chilled Water Infrastructure Extension	\$1,685,487	\$85,487	\$1,600,000	Carry-forward	
ECU	Subtotal	\$7,509,957	\$85,487	\$7,424,470		
North Carolina Central University						
5.	Farrison Newton Building - Radio Studio Renovation	\$1,500,000	\$0	\$1,500,000	Title III	
6.	New Collaborative Learning Center	\$3,000,000	\$0	\$3,000,000	50% Title III, 50% Dining Receipts	
NCC	U Subtotal	\$4,500,000	\$0	\$4,500,000		

II. INCREASED AUTHORIZATION

	Institution/Project Title	Total Project Cost (\$)	Previous Authorization (\$)	Requested Authorization (\$)	Funding Source
University of North Carolina at Chapel Hill					
7.	National Pan-Hellenic Council Garden	\$1,400,000	\$750,000	\$650,000	77% Utility Trust Funds 23% Donations & Gifts
8.	School of Media & Journalism Media & Communication Studio	\$10,400,000	\$7,200,000	\$3,200,000	Donations & Gifts
UNC	C-Chapel Hill Subtotal	\$11,800,000	\$7,950,000	\$3,850,000	
Gra	nd Total	\$23,809,957	\$8,035,487	\$15,774,470	

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RECOMMENDATION

All projects and associated funding sources are in compliance with G.S. 143C-8-12 (State Budget Act).

It is recommended that these projects be authorized and reported to the NC Office of State Budget and Management as non-appropriated projects that do not require any additional debt or burden on state appropriations.

APPENDIX D

Request for Authorization to Establish a Bachelor of Science in Interdisciplinary Studies (BS, CIP 24.0101) at Appalachian State University

I. Program Highlights

- Appalachian State University's proposed Bachelor of Science in Interdisciplinary Studies degree program would prepare students for professions or graduate study in science or social science. Appalachian currently offers a BA program in Interdisciplinary Studies to help with retention, progression, and graduation rates for students who are interested in pursuing studies in emerging disciplines or fields of study that are not offered at the university. The purpose of the proposed degree program would be to provide students in science, math, or social science fields with an individualized program of study leading to a BS degree, which is more often desired by employers or graduate schools. The benefit to graduates is the ability to design a plan of study for careers in new and emerging fields while preparing for the option of graduate and professional study.
- The proposed degree program would require 120 total credit hours. The proposed curriculum would require general education courses (44 credit hours), major courses (48 credit hours), a minor (12-21 credit hours), and electives (7-16 credit hours).
- The proposed degree program would be administered on campus.
- Seven full-time students on campus are projected in the first year. Twenty-five full-time students on campus are projected by the fourth year.
- No increase in funds will be requested from state or non-state agencies. No tuition differential will be sought to support the proposed degree program.
- The library's resources are adequate to support the proposed degree program.
- The facilities are adequate to support the proposed degree program.

II. BOG Academic Program Planning Criteria (UNC Policy 400.1)

- 1. Existing Programs (Number, Location, Mode of Delivery). The UNC System has 10 institutions offering a combined 13 bachelor of arts, bachelor of individualized study, or BS programs in interdisciplinary studies. They include Appalachian (BA on campus), Elizabeth City State University (BA online), Fayetteville State University (BS on campus and online), North Carolina State University (BA and BS on campus), North Carolina Central University (BA on campus), the University of North Carolina at Asheville (BA on campus), the University of North Carolina Wilmington (BA on campus and online), the University of North Carolina at Chapel Hill (BA on campus), and Western Carolina University (BA and BS on campus, B on campus and online).
- 2. Relation to Campus Distinctiveness and Mission. The proposed degree program would align with Appalachian's mission to advance knowledge and address challenges of our region, state and world through creativity and innovation. The proposed degree program would also align with the university's Strategic Direction #1, "Creating the Transformational Educational Experience." It would support the University's strategic initiative for the Undergraduate Experience, by helping to "Facilitate interdisciplinary and integrative approaches to teaching and learning, with new and traditional pedagogies that incorporate technology, to prepare twenty-first century students to

APPENDIX D

be flexible, creative problem-solvers who can adapt to changing work requirements and life situations."

- 3. Demand (local, regional, state). The greatest strength of the individually designed interdisciplinary program for students and institution alike is that it provides a flexible degree that can be responsive to emerging student interests and societal needs. The proposed degree program would provide institutional flexibility for students interested in emerging disciplines in the sciences/ social sciences. Recent graduates of the BA program in Interdisciplinary Studies have entered a range of careers, including independent businesses, the music industry, expressive arts therapy, museum and cultural heritage site work, and graduate study. Some recent graduates who are now in careers in which a BS is a more common credential include: software developer (Wilmington, NC), foundation program coordinator (Los Angeles, CA), associate graphic designer (Raleigh, NC), information technology support technician (Nashville, NC), medical clinical assistant (Boone, NC), graduate student for MS in sports management (Norfolk, VA).
- 4. Potential for Unnecessary Duplication. Although thirteen schools in the UNC System offer a bachelor's degree for interdisciplinary studies, only three offer the BS option: FSU, NC State, and Western Carolina. Appalachian currently offers a BA in Interdisciplinary Studies, but the proposed degree program would serve students who want to combine math, science and/or social science curricula in their self-design program of study. The option would offer a more accurate description of their proposed program of study. It would also benefit students who are pursuing graduate school or career trajectories in which a BS is more appropriate.
- 5. Employment Opportunities for Graduates. The US Bureau of Labor Statistics' (BLS) 2017 Career Outlook reported opportunities in several occupations related to liberal arts degrees, "designed to prepare students for a variety of career options, rather than for a specific occupation." Numerous occupations were listed, reporting earnings for full-time employees under the age of 35 in 2015. The jobs required skills in communication, problem-solving, and broad knowledge across different subjects. There were 222,762 recipients of a bachelor's degree in political science and government who earned a median annual wage of about \$43,730. There were 226,034 recipients of a bachelor's degree in English language and literature who earned a median annual wage of about \$38,710. In addition, 373,736 recipients of a bachelor's degree in communications had a median annual wage of about \$41,600. There were 189,532 recipients of a bachelor's degree in history who earned a median wage of about \$39,520 annually.
- **6. Faculty Quality and Number.** No new faculty will be needed within the first four years to support the proposed program. Existing faculty who teach in support of other degree programs within the Department of Interdisciplinary Studies.
- 7. Availability of Campus Resources (library, space, etc.) The Carol Grotnes Belk Library's current holdings will provide sufficient support for both research and instruction. In addition, since no new courses have been proposed, the library materials that currently support the BA in Interdisciplinary Studies would support the proposed BS in Interdisciplinary Studies.
 - Existing university facilities are adequate for support of the proposed degree program. There is enough classroom space to support instruction in the required classes and major electives.

- **8. Relevant Lower-level and Cognate Programs.** The proposed degree program will be supported by other courses and programs across the university. Appalachian has an existing BA in Interdisciplinary Studies program that allowed students to build programs of study from existing courses, working closely with their academic advisors during the self-design process.
- **9. Impact on Access and Affordability.** No tuition differential will be sought to support the proposed degree program.

Tuition and fees for spring 2020 are as follows:

Full-Time Undergraduate Tuition and Fees Annualized (In Dollars)

	Resident	Non-Resident
Tuition	4,242	19,049
Fees	3,007	3,007
Total Tuition and Fees	7,249	22,056

- **10. Expected Quality.** The success of the program will be judged by evaluating enrollment, student proficiency in learning outcomes, retention and graduation rates, job placement, and the satisfaction of graduates and employers.
- 11. Feasibility of Collaborative Program. Given the distinct nature of each student's self-design degree program, and the campus-based mode of delivery at Appalachian, NC State, and Western Carolina, there may not be many opportunities for collaboration. It is possible that the three institutions could meet on a regular basis to discuss the challenges and opportunities that self-design degree programs face within the UNC System.
- 12. Other Considerations. None.

III. Summary of Review Processes

Campus Review Process and Feedback. The proposal was reviewed by the Appalachian faculty, department and university curriculum committees, the provost, and chancellor. Approval was obtained at all levels.

UNC System Office Review Process and Feedback. Throughout the review process, Appalachian provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the proposal and requests for information were provided by the institution.

IV. Recommendation

It is recommended that the Board of Governors approve Appalachian's request to establish a Bachelor of Science in Information Technology degree program (CIP 24.0101) to enroll students starting Fall 2020.

APPENDIX D

Request for Authorization to Establish a Master of Science in Health Psychology (MS, CIP 42.2810) at North Carolina Agricultural and Technical State University

I. Program Highlights

- North Carolina Agricultural and Technical State University's proposed Master of Science in Health
 Psychology degree program would prepare students for employment opportunities such as health
 educator, health program director, health evaluation, neuropsychology technician, psychometrist
 and the option to pursue a doctoral degree in health psychology or neuropsychology. The benefits
 to graduates of the proposed degree program include flexibility in career opportunities, salaries
 above the national median for earnings, and high job growth rates.
- The proposed degree program would require 30 total credit hours. In addition, students will be required to complete a thesis or a practicum experience.
- The proposed degree program would be administered on campus.
- Fifteen full-time students are projected in the first year. Forty-five full-time students are projected by the fourth year.
- Enrollment increase funds will be sought after the first year to support the proposed degree program. As target enrollments are met, enrollment growth funds would be needed to support the additional faculty member and future growth requirements.
- Current faculty members would absorb the teaching responsibilities in the first year. It is
 anticipated that two additional faculty members would be needed during year two and three.
 Funds from enrollment increases after the first year would be used to support new faculty.
- No tuition differential will be sought to support the proposed degree program.
- The library's resources are adequate to support the proposed degree program.
- The facilities are adequate to support the proposed degree program.

II. BOG Academic Program Planning Criteria (UNC Policy 400.1)

- 1. Existing Programs (Number, Location, Mode of Delivery). There are no other master's level programs in health psychology in the UNC System. East Carolina University offers master's programs in school and industrial organizational psychology; Western Carolina University offers master's degrees in clinical and school psychology; The University of North Carolina at Charlotte offers master's degrees with concentrations in cognitive science and community psychology; and The University of North Carolina at Greensboro has a master's degree program in experimental psychology.
- 2. Relation to Campus Distinctiveness and Mission. The proposed degree program would align with ECU's mission to advance knowledge through scholarly exchange and transforms society with exceptional teaching, learning, discovery and community engagement. The degree program would support the goals of the North Carolina A&T State University 2020 Preeminence Plan, including (1) promoting a vigorous STEM-oriented academic environment (2) enhancing community engagement and (3) expanding opportunities for faculty and student involvement in funded research as a premier research, science and technology focused doctoral institution.

- 3. Demand (local, regional, state). Information provided from NC Tower indicated a strong market for health professionals in North Carolina. The average wages for graduates of public universities in the state with a master's degree in health professions and related programs was \$54,936 after one year and \$73,154 after five years.
- 4. Potential for Unnecessary Duplication. The proposed degree program would not create unnecessary competition, given that there are no other terminal master's level health psychology programs in the UNC System. Most terminal master's programs are in industrial or school psychology. East Carolina University offers master's programs in school and industrial organizational psychology; Western Carolina offers master's degrees in clinical and school psychology; and UNC Charlotte offers master's degrees with concentrations in cognitive science and community psychology. UNC Greensboro has a master's degree program in experimental psychology. The proposed degree program would contain a different curricular focus that would not be a direct competitor to existing programs.
- 5. Employment Opportunities for Graduates. The Bureau of Labor Statistics (BLS) has not yet given health psychologists their own category, listing them instead as "clinical, counseling and school psychologists," with an average annual salary of \$81,330 as of May 2017. The top 10% earned more than \$123,920 per year. The BLS also indicates that employment opportunities are anticipated to increase from 2014-2024. Overall employment of psychologists is projected to grow 19 percent from 2014 to 2024, much faster than the average for all occupations. Many options exist in the labor market for individuals with a master's degree in health psychology with several areas of specialty. Clinical health psychology emphasizes direct interaction in a hospital or community health facility. Clinical neuropsychology emphasizes the relationship between the brain and behavior through neuropsychological assessment. Community and public health psychologists focus on the development, evaluation, and monitoring of health and wellness systems and their impact on communities.
- **6. Faculty Quality and Number.** Current faculty members would absorb the teaching responsibilities in the first year. It is anticipated that two additional faculty members would be needed during year two and three. Funds from enrollment increases after the first year would be used to support new faculty.
- 7. Availability of Campus Resources (library, space, etc.) The Bluford Library provides materials and services to support university programs including the College of Health and Human Science. The library's holdings are adequate to support the proposed degree program. The resources include access to books, databases for journal articles, endnote, study rooms, computing and printing, and workshops. The Bluford Library maintains a special guide for the Community of Graduate Scholars online. Graduate students may sign up for individual instruction sessions.

NC A&T State University's new Science Building has 10 psychology research laboratories that are currently used for research and training of undergraduates and can accommodate graduate training. The university provided more than \$125,000 in start-up funds for research 'Faculty of the Future' hires. These funds have contributed to efforts to establishing new research laboratories. The classroom space is adequate for seminars, lectures, and distance learning.

8. Relevant Lower-level and Cognate Programs. The undergraduate psychology program is a popular major at NC A&T State University. It is anticipated that many students within the Department of Psychology department would find the proposed degree program attractive. On average, approximately 40% of psychology students graduate with the minimum standards to be admitted to the proposed degree program.

No other subject-matter fields would be necessary to support the proposed degree program.

9. Impact on Access and Affordability. No tuition differential will be sought to support the proposed degree program.

Tuition and fees for spring 2020 are as follows:

Full-Time Graduate Tuition and Fees Annualized (In Dollars)

	Resident	Non-Resident
Tuition	4,745	17,545
Fees	3,010	3,010
Total Tuition and Fees	7,755	10,555

- **10. Expected Quality.** The success of the program will be judged by evaluating enrollment, student proficiency in learning outcomes, retention and graduation rates, job placement, and the satisfaction of graduates and employers.
- 11. Feasibility of Collaborative Program. There are several opportunities for collaboration with institutions regionally. The graduate program director at UNC Charlotte expressed an interest in establishing a relationship with North Carolina A&T State University for graduating students who are interested in pursuing a PhD (through their Pipeline program). Wake Forest University expressed a similar interest. North Carolina A&T State University would also establish collaborations with industry-partners in order to ensure the availability of experiential opportunities to improve career readiness for students.
- 12. Other Considerations. None.

III. Summary of Review Processes

Campus Review Process and Feedback. The proposal was reviewed by the North Carolina A&T State University faculty, department and university curriculum committees, the provost, and chancellor. Approval was obtained at all levels.

UNC System Office Review Process and Feedback. Throughout the review process, North Carolina A&T State University provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the proposal and requests for information were provided by the institution.

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IV. Recommendation

It is recommended that the Board of Governors approve North Carolina A&T State University's request to establish a Master of Science in Health Psychology degree program (CIP 42.2810) to enroll students starting fall 2020.

APPENDIX D

Request for Authorization to Establish a Bachelor of Science in Economics (BS, CIP 45.0603) at University of North Carolina at Chapel Hill

I. Program Highlights

- The University of North Carolina at Chapel Hill's proposed Bachelor of Science in Economics degree program would prepare students for careers in business, public policy, and the social sciences. Relative to the existing BA in economics, the proposed degree program would provide stronger emphasis on skills that are in increased demand by employers, including data analysis and quantitative techniques. The benefit of the proposed degree program to graduates include salaries above the national median for earnings, high job growth, and greater preparation in mathematics, statistics and operations research, and computer science relative to existing programs.
- The proposed degree program would require 120 total credit hours. In addition to general
 education requirements, the proposed degree program would require 51 to 52 total credit hours
 from 16 courses. This would include five required and five elective courses in the economics
 department, plus four required and two elective courses in other departments (MATH, COMP,
 and STOR). The variation in credit hours (51 to 52) is due to differences among non-ECON elective
 courses.
- The proposed degree program would be administered on campus.
- Two hundred and forty full-time students are projected in the first year. Three hundred and twenty full-time students are projected by the fourth year.
- No tuition differential will be requested. No additional funding will be required to support the proposed degree program.
- No new faculty will be needed to support the proposed degree program.
- The library's resources are adequate to support the proposed degree program.
- The facilities are adequate to support the proposed degree program.

II. BOG Academic Program Planning Criteria (UNC Policy 400.1)

- 1. Existing Programs (Number, Location, Mode of Delivery). Twelve universities within the UNC System offer a BS in economics on campus, including Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina State University, University of North Carolina at Charlotte, The University of North Carolina at Greensboro, The University of North Carolina at Pembroke, University of North Carolina Wilmington, Western Carolina University, and Winston-Salem State University. In addition, two private institutions offer a BS in economics degree program on campus: Duke University and Wake Forest University.
- 2. Relation to Campus Distinctiveness and Mission. The proposed degree program would support the mission of UNC-Chapel Hill to serve as a center for research, scholarship, and creativity and to teach a diverse community of undergraduate, graduate, and professional students to become the next generation of leaders. It would also help fulfill the UNC System's mission to transmit and

apply knowledge to address the needs of individuals and society by establishing a new degree program that is influenced by modern job market and educational opportunities.

3. Demand (local, regional, state). Economics majors have strong employment prospects in North Carolina. The state's workforce system, NC Works, ranks the labor market demand in North Carolina for those with an economics degree as "high." On February 2, 2019, for example, there were 1,489 online postings at NC Works for jobs in North Carolina related to economics. Furthermore, economics is a relatively high paying major in North Carolina. In 2017, NC Works reports that entry level wages for economists were \$54,320, median wages were \$88,620, and experienced wages were \$106,800. In comparison, entry level wages among all occupations were \$20,280, median wages were \$34,750, and experienced wages were \$58,980.

According to NC Works, in December of 2018 the five top advertised job skills found in job openings advertised online for economists were: business planning, economic forecasting, operations management, research analysis, and risk management. The data analytics and quantitative analysis focus of the proposed BS degree program would enhance graduates' forecasting and research analysis skills. Furthermore, it would give students the math, statistics, and analytical skills necessary for several other occupations that are projected to experience above-average growth in North Carolina. For example, between 2016 and 2026, market research analysts and marketing specialist positions are projected to increase by 28.8%, operation research analyst positions are projected to increase by 27.5%, and financial analyst positions are projected to increase by 10.8%. In comparison, the projected growth for general economists is 6.1% over the same time period.

- 4. Potential for Unnecessary Duplication. Twelve institutions in the UNC System offer the BS in economics according to organizational models that place the program within a business school. The proposed degree program at UNC-Chapel Hill would follow a third organizational model to offer the program within a college of arts and sciences alongside a BA in economics. It would be the only BS in economics degree program in the UNC System offered within a college of arts and sciences. This is noteworthy because BS degrees in economics offered in business schools often have different course requirements than those offered in colleges of arts and sciences. In addition, the proposed degree program is distinct because of its relationship to other departments at UNC-Chapel Hill. Compared to the existing BA degree, the proposed BS degree program will require more classes in the departments of mathematics, statistics and operations research, and computer science.
- 5. Employment Opportunities for Graduates. Nationwide job prospects for economists are strong. According to the Bureau of Labor Statistics (BLS), the employment of economists is projected to increase nationally by 6% from 2016 to 2026. Due to the increase in the use of data and market research across all industries, the BLS expects job opportunities to be best for economists with strong quantitative and analytical skills, as well as those with experience using statistical software. For instance, market research analyst positions, which typically require strong math and statistical skills, are projected to grow by 23% from 2016 to 2026 (BLS). In addition, the occupations projected to grow the fastest between 2016 and 2026 include statisticians (rank seven) and mathematicians (rank 10).

- **6. Faculty Quality and Number.** No new faculty will be needed to support the proposed degree program. The courses required for a BS in economics are already offered for the existing BA in economics.
- 7. Availability of Campus Resources (library, space, etc.) The R. B. House Undergraduate Library's holdings are adequate to support the proposed degree program. The available texts, academic journals, and data resources that are used by current economics BA students are also sufficient for the proposed economics BS students.

The facilities are adequate to support the proposed degree program. Economics BS students will take current economics department classes, many of which are held in the department's home building of Gardner Hall. The economics department offers classes that vary greatly in size, and in response it uses classrooms throughout campus that fit the classes' capacity needs. It is anticipated that the proposed degree program will have minor impacts on class sizes, and these can be accommodated through normal matching of courses to rooms on campus.

- 8. Relevant Lower-level and Cognate Programs. The proposed degree program would not be associated with or supported by any lower-level or cognate programs. It would require students to take six related courses outside of the economics department. These courses already exist at UNC-Chapel Hill, and in their current form are well-matched to the curriculum for a BS in economics. Therefore, no improvements or additional courses are needed outside of the economics department.
- **9. Impact on Access and Affordability.** No tuition differential will be sought to support the proposed degree program.

Tuition and fees for spring 2020 are as follows:

Full-Time Undergraduate Tuition and Fees Annualized (In Dollars)

	Resident	Non-Resident
Tuition	7,019	34,198
Fees	1,731	1,731
Total Tuition and Fees	8,750	3,929

- **10. Expected Quality.** The success of the program will be judged by evaluating enrollment, student proficiency in learning outcomes, retention and graduation rates, job placement, and the satisfaction of graduates and employers.
- 11. Feasibility of Collaborative Program. The proposed degree program was designed to be completed at UNC-Chapel Hill. It follows the conventional model for majors on the UNC-Chapel campus. The main opportunities for collaboration with other institutions will be through transfer students who may satisfy some of the curricular requirements prior to enrolling at UNC-Chapel Hill. Many of the courses can be completed at other institutions, including the required introductory and intermediate courses in economic theory, plus all required mathematics and statistics courses.

12. Other Considerations. None.

III. Summary of Review Processes

Campus Review Process and Feedback. The proposal was reviewed by the UNC-Chapel Hill faculty, department and university curriculum committees, the provost, and chancellor. Approval was obtained at all levels.

UNC System Office Review Process and Feedback. Throughout the review process, UNC-Chapel Hill provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the proposal and requests for information were provided by the institution.

IV. Recommendation

It is recommended that the Board of Governors approve UNC-Chapel Hill's request to establish a Bachelor of Science in Economics degree program (CIP 45.0603) to enroll students starting fall 2020.

Request for Authorization to Establish a Bachelor of Science in Data Science (BS, CIP 11.0701) at University of North Carolina at Charlotte

I. Program Highlights

- The University of North Carolina at Charlotte's proposed Bachelor of Science in Data Science degree program would prepare students to operate data analysis systems, prepare data for analysis, and visualize information. Their competencies would include data management, mathematical/computational/statistical foundations, visualization, modeling and assessment, workflow and reproducibility, communication and teamwork, domain specific considerations, and ethical problem solving. The benefits of the proposed degree program to graduates include salaries above the national median for earnings and high job demand at the state and national level.
- The proposed degree program would require 120 total credit hours. The curriculum would include general education (37-41 credit hours), major courses (55 credit hours, 15 of which meet general education requirements), and free electives (39-43 credit hours). A capstone project will also be required.
- The proposed degree program would be administered on campus and online (maximum 60 percent online).
- Fifty full-time students are projected in the first year. Three hundred and eighty full-time students are projected by the fourth year.
- No tuition differential will be requested.
- No new faculty will be needed to initiate the proposed degree program. As student enrollment grows, two additional faculty positions may be redistributed through joint appointments between the UNC Charlotte School of Data Science and a college by the Provost.
- The library's resources are adequate to support the proposed degree program.
- The facilities are adequate to support the proposed degree program.

II. BOG Academic Program Planning Criteria (UNC Policy 400.1)

- 1. Existing Programs (Number, Location, Mode of Delivery). There are no public or private institutions in North Carolina that offer a bachelor's degree in data science. According to Data Science Programs, an online enrollment organization, there are at least 35 BS programs in data science offered at 30 universities across the United States.
- 2. Relation to Campus Distinctiveness and Mission. The proposed degree program aligns with UNC Charlotte's mission, including social mobility, public policy, and urban analytics. It would also help fulfill the mission of the University of North Carolina system, "to discover, create, transmit, and apply knowledge to address the needs of individuals and society."
- 3. Demand (local, regional, state). UNC Charlotte commissioned a report from EAB (formerly the Education Advisory Board) on the job market for undergraduate data science graduates in North Carolina. Between the second half of 2013 and the first half of 2017, the number of positions posted in North Carolina that specifically required a bachelors' in data science grew by 76

percent, and in the Charlotte region the growth was 109 percent. More broadly, positions that mention competencies developed in a BS in data science grew from 2,337 to 4,777 in 2019. Similar information is conveyed in the IT Job Trends reports gathered by NC Tech Association.

- 4. Potential for Unnecessary Duplication. The proposed degree program would be the first undergraduate degree in data science in North Carolina. While there are programs in management information systems, statistics and analytics, and business analytics, the target skills in these areas are different enough not to be considered as similar. The difference is that programs in data science prepare graduates to design and construct new processes for data modeling and production, while data analytics and related programs prepare graduates to identify trends and prepare presentations to stakeholders.
- 5. Employment Opportunities for Graduates. According to LinkedIn's 2019 Emerging Jobs Report, one of the 15 fastest growing jobs in the United States is data scientist, with 37% projected annual growth. The field of data science made the report's list of the top 15 jobs for the last three years. In addition, a 2017 study by Burning Glass, IBM, and the Business Higher Education Forum indicated a rapid transformation across almost all industry clusters (and government and non-profit as well) as firms and organizations respond to the realities of 'big data.' In 2016 alone, the number of jobs specifically advertised for data science grew by 54%, and there was a corresponding growth in the number of postings for positions related to data science. The report predicted that 364,000 new data science positions would be created by 2020.
- 6. Faculty Quality and Number. No new faculty will be needed to initiate the proposed degree program. As student enrollment grows, two additional faculty positions may be redistributed through joint appointments between the UNC Charlotte School of Data Science and a college by the Provost.
- 7. Availability of Campus Resources (library, space, etc.) The resources of the Atkins Library are adequate to support the proposed degree program. The library has an expansive set of databases that cover the subject of data science, including: ACM Digital Library, Compendex, IEEE Xplore, Inspec, Science Citation, Index, Science Direct, Synthesis Digital Library of Engineering and Computer Science (Morgan and Claypool), and Web of Science.

The facilities of the Bioinformatics Building at UNC Charlotte are adequate to support the proposed degree program. All faculty have private offices, conference rooms, and workspace through the College of Computing and Informatics, the College of Liberal Arts and Sciences, the College of Health and Human Services, and the Belk College of Business. Depending upon program growth, additional faculty offices may be required.

8. Relevant Lower-level and Cognate Programs. Given the interdisciplinary curriculum, the proposed degree program would be supported by coursework in the computer science, software and information systems, and mathematics and statistics departments. Joint faculty with Business Information Systems and Operations Management (BISOM), management, public policy, criminal justice, sociology, and organizational science will also support the proposed degree program. In addition, a partnership with the Institute for Social Capital will provide support through guidance on the social impact of information.

9. Impact on Access and Affordability. No tuition differential will be sought to support the proposed degree program.

Tuition and fees for spring 2020 are as follows:

Full-Time Undergraduate Tuition and Fees Annualized (In Dollars)

	Resident	Non-Resident
Tuition	3,812	17,246
Fees	3,093	3,093
Total Tuition and Fees	6,905	20,339

- **10. Expected Quality.** The success of the program will be judged by evaluating enrollment, student proficiency in learning outcomes, retention and graduation rates, job placement, and the satisfaction of graduates and employers.
- 11. Feasibility of Collaborative Program. While there are no BS in data science degrees offered in UNC System institutions, UNC Charlotte participates in the National Consortium on Data Science that is managed by the Renaissance Computing Institute (RENCI) at UNC-Chapel Hill. Most data science and analytics university programs in North Carolina are members or participate in this Consortium (North Carolina State University, UNC Charlotte, the University of North Carolina at Greensboro, and UNC-Chapel Hill). In recent years, UNC Charlotte's School of Data Science has collaborated with UNC Greensboro in the recent launch of their MS in informatics and analytics. UNC Charlotte expects to continue and expand these collaborations.
- 12. Other Considerations. None.

III. Summary of Review Processes

Campus Review Process and Feedback. The proposal was reviewed by the UNC Charlotte's faculty, department and university curriculum committees, the provost, and chancellor. Approval was obtained at all levels.

UNC System Office Review Process and Feedback. Throughout the review process, UNC Charlotte provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the proposal and requests for information were provided by the institution.

IV. Recommendation

It is recommended that the Board of Governors approve UNC Charlotte's request to establish a Bachelor of Science in Data Science degree program (CIP 11.0701) to enroll students starting fall 2020.

Request for Authorization to Establish a Master of Science in Computer Engineering (MS, CIP 14.0901) at University of North Carolina at Charlotte

I. Program Highlights

- The University of North Carolina at Charlotte's proposed Master of Science in Computer Engineering degree program would prepare students for careers in computer engineering, with an emphasis on competency in computer architecture and hardware design, computer systems and applications software, and distributed and real-time computer systems. The benefits to graduates of the proposed degree program include salaries above the national median for earnings and high job growth at the state and national level.
- The proposed degree program would require 30 total credit hours. In the thesis option, students
 must complete nine credit hours of thesis research and 21 credit hours of coursework. Students
 in the non-thesis option must complete 30 credit hours of coursework or 27 credit hours of
 coursework along with three credits of individualized project work.
- The proposed degree program would be administered on campus.
- Eighty full-time students and 10 part-time students are projected in the first year. Ninety-eight full-time students and 20 part-time students are projected by the fourth year.
- Enrollment increase funds will be requested through the yearly budget review process conducted by the college and academic affairs. These funds, if available, would be used to hire additional faculty in computer engineering to support additional teaching and research.
- A tuition differential of \$110 per credit hour for each semester will be sought to support the proposed degree program. This amount is consistent with all other graduate students in the College of Engineering (COE) at UNC Charlotte. The revenue would support graduate assistantships and maintain research laboratories in the COE.
- No new faculty will be needed to initiate the proposed degree program. As student enrollment grows, additional faculty positions may be requested.
- The library's resources are adequate to support the proposed degree program.
- The facilities are adequate to support the proposed degree program.

II. BOG Academic Program Planning Criteria (UNC Policy 400.1)

- 1. Existing Programs (Number, Location, Mode of Delivery). One institution in the University of North Carolina System offers a master's program in computer engineering, North Carolina State University. North Carolina Agricultural and Technical State University has a master's in electrical engineering with a concentration in computer engineering. Duke University offers a master's program in electrical and computer engineering.
- 2. Relation to Campus Distinctiveness and Mission. The proposed degree program aligns with UNC Charlotte's mission to offer internationally competitive programs of research and creative activity, and exemplary undergraduate, graduate, and professional programs. It is consistent with the mission of the University of North Carolina system, "to discover, create, transmit, and apply knowledge to address the needs of individuals and society." In addition, it supports the UNC System's Strategic Plan to increase the critical workforce in high-demand STEM fields.

- 3. Demand (local, regional, state). According to the Charlotte Chamber of Commerce, more than 44,000 people work in technology occupations in the Charlotte region. From 2006 to 2016, technology-based employment in Charlotte increased by 62 percent. From 2014 to 2016, Charlotte was recognized as one of the fastest growing cities in terms of technology in the nation with an 18 percent increase in jobs. This 10-year growth in technology employment in the metro area includes a 23 percent increase in the number of workers in STEM occupations that are heavily populated by computer engineering professionals nationwide. In the past ten years, the region has added 7,400 jobs in two key high-tech business services sectors: custom programming and systems design services, along with nearly 700 percent growth in software publishing employment.
- 4. Potential for Unnecessary Duplication. NC State University offers a master's program in computer engineering and North Carolina A&T State University offers a master's degree in electrical engineering with a concentration in computer engineering. However, there are no other MS programs in computer engineering in the western part of North Carolina that can meet the needs of the rapidly growing tech industry in the region. In addition, the proposed degree program will be offered in-person only, therefore it is not expected to have a significant impact on NC State University's online engineering program.
- 5. Employment Opportunities for Graduates. According to the U.S. Bureau of Labor Statistics (BLS), employment of software developers is projected to grow 24 percent from 2016 to 2026, much faster than the average for all occupations. Employment of applications developers is projected to grow 30 percent, and employment of systems developers is projected to grow 11 percent. Employment of computer hardware engineers is projected to grow five percent from 2016 to 2026, near the average of seven percent for all occupations.
- **6. Faculty Quality and Number.** No new faculty will be needed to initiate the proposed degree program. All courses are currently included in the existing electrical and computer engineering curriculum. Therefore, the teaching responsibilities for the proposed degree program will be absorbed in whole by the present faculty. As student enrollment grows, additional faculty positions may be requested.
- 7. Availability of Campus Resources (library, space, etc.) The resources of the Atkins Library are adequate to support the proposed degree program. Students would have access to relevant databases including Compendex, Inspec, Web of Science, IEEEXplore, ScienceDirect, ACM Digital Library, Computer and Information Systems Abstracts and many others. The library owns hundreds of thousands of e-books from Springer, Wiley, Elsevier, Cambridge and other publishers, mostly science and engineering subject matter, in addition to a growing print collection.
 - The facilities of the computer systems labs (Edge Computing Lab, CyberPhysical Systems Lab, Wireless Communications and Networking Lab, Embedded Systems and Robotics Lab, Reconfigurable Systems Lab, and the Computer Vision Lab) at UNC Charlotte are adequate to support the proposed degree program.
- **8. Relevant Lower-level and Cognate Programs.** Students admitted to the proposed degree program would be required to have all lower-level coursework and academic preparation

necessary for success in the curriculum. No supporting lower-level programs or cognate programs are required to support the proposed program.

9. Impact on Access and Affordability. A tuition differential of \$110 per credit hour for each semester will be sought to support the proposed degree program. This amount is consistent with all other graduate students in the College of Engineering (COE) at UNC Charlotte. The revenue would support graduate assistantships and maintain research laboratories in the COE.

Tuition and fees for spring 2020 are as follows:

Full-Time Graduate Tuition and Fees Annualized (In Dollars)

	Resident	Non-Resident
Tuition	4,337	17,771
Fees	3,093	3,093
Differential Tuition	1,800	1,800
Total Tuition and Fees	9,230	22,664

- **10. Expected Quality.** The success of the program will be judged by evaluating enrollment, student proficiency in learning outcomes, retention and graduation rates, job placement, and the satisfaction of graduates and employers.
- 11. Feasibility of Collaborative Program. The proposed degree program and the existing computer engineering program at NC State University have the potential for mutual benefit. UNC Charlotte students could take a limited number of online courses from NC State University. In addition, graduates from the proposed degree program could add to the pool of potential PhD applicants for NC State University's program in computer engineering. Faculty from both institutions who teach computer engineering could collaboratively teach similar courses.
- 12. Other Considerations. None.

III. Summary of Review Processes

Campus Review Process and Feedback. The proposal was reviewed by the UNC Charlotte's faculty, department and university curriculum committees, the provost, and chancellor. Approval was obtained at all levels.

UNC System Office Review Process and Feedback. Throughout the review process, UNC Charlotte provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the proposal and requests for information were provided by the institution.

IV. Recommendation

It is recommended that the Board of Governors approve UNC Charlotte's request to establish a Master of Science in Computer Engineering degree program (CIP 14.0901) to enroll students starting fall 2020.

APPENDIX E

Request for Authorization to <u>Discontinue and Consolidate</u> Academic Degree Program

East Carolina University – MM in Music Education – (CIP 13.1312)

The Master of Music (MM) in Music Education degree program will be discontinued due to a restructuring of the program curriculum. The program will be consolidated into a concentration within the MM in Music (CIP 50.0901).

Ten students are currently enrolled in the degree program. They will be notified by an e-mail to their ECU account. All the coursework will continue to be offered so students can complete their program or change to the new concentration. Students will not incur any additional charges as a result of the closure.

No faculty or staff members will be reassigned due to the discontinuation and consolidation of the program.



Board of Trustees

9201 University City Boulevard, Charlotte, NC 28223-0001 t/ 704.687.5700 f/ 704.687.1700 www.uncc.edu

February 7, 2020

William L. Roper, M.D. Interim President The UNC System Office 910 Raleigh Rd. Chapel Hill, NC 27514

Dr. Roper:

I am writing in my capacity as Chair of the UNC Charlotte Board of Trustees (the "Board") to respectfully request a waiver to Policy 200.4. Specifically, we are requesting a waiver to Section II, which requires that the Board conduct a self-assessment every four years. Our Board's self-assessment is scheduled for 2020. However, at this time we are requesting an extension until the Fall of 2021.

A significant component of the Board's self-assessment is an evaluation of our working relationship with the Chancellor. Given the impending change in the position of Chancellor at our University, we believe that it is appropriate to seek a delay of the self-assessment until our next Chancellor has been in the role for at least 12 months. We expect the next Chancellor to begin his or her tenure on or by July 1, 2020. If the Board of Trustees conducts our self-assessment prior to July 1, 2020, it would be another four years before we then assessed our performance as it related to the working relationship with our new Chancellor. A period of four years without review did not appear to our Board to be the intent of the Policy.

Thank you in advance for your consideration of this request. Please do not hesitate to contact me should you require additional information. As always, we thank you for your ongoing support of UNC Charlotte.

With thanks,

Michael L. Wilson

Board of Trustees, Chair



2020 LEGISLATIVE PROPOSALS

SUMMARY OF PRIORITY PROPOSALS

Operational Efficiencies

- Consolidate and Simplify the UNC Need-based Grant, Education Lottery Scholarship, and Community College Grant into one North Carolina Scholarship
 - The existence of three separate programs, with three different eligibility criteria, makes state-based grant programs more complex to navigate and understand for students and families. Consolidating these three programs into a single North Carolina Scholarship would create a simpler, more user-friendly state aid system.
- 2. Exempt Commissioned Officers/Public Safety Positions from most of the NC HR Act In an effort to increase our ability to retain our first responders, we seek legislative support for exempting our public safety personnel. Exempts commissioned officers and public safety positions from NC HR Act (EHRA non-faculty) to allow for better hiring and compensation practices. The impacted employees will retain coverage under Article 8 of NCGS 126, which provides disciplinary due process and grievance rights aligned with SHRA employees.
- 3. AHEC Primary Care Plan Report Elimination; Change Date for Primary Care Report and Sunset Legislative Reports

In 1995, the legislature required the BOG and UNC to report every other year on goals and plans for Primary Care programs in NC. AHEC has compiled these reports for all of the programs across the state and these reports are of limited value. We seek to eliminate the "Primary Care Plan" report.

The "Primary Care Report" though is a national model, but the national data necessary to complete the report comes out in October. We seek to the change the next report due date to April 15, 2021.

More generally, many reports required by the legislature have a useful shelf life. As the legislature creates new reporting requirements, the legislature should consider including a sunset provision so new reports don't continue to add up even when the issues at play have been resolved.

4. Allow UNC Board of Governors to retain outside counsel

Current statute requires that the Attorney General's office represent the University in any litigation filed against it, unless the University obtains the approval of the Attorney General and the Governor to retain outside counsel. The University's lack of control over its representation sometimes leads to operational challenges and disputes about litigation strategy, and often prevents the University from assembling the best team and resources for each litigation matter.



2020 LEGISLATIVE PROPOSALS

Technical Corrections

1. Lab School Technical Corrections

- Exclude NCSSM, UNCSA, and Lab Schools from definition of "public school unit" in Chapter 115C, which calls for DPI oversight over financials
- Decrease number of Lab Schools to 6 (from 9) and/or allow Institutions to operate more than one Lab School
- Clarify "a lab school shall not unlawfully discriminate when make admissions deasions."

Institution-specific

1. Remove Debt Service and Campus Security fee from statutory cap on fee increases

Smaller institutions within the UNC System are severely limited by the statutory restriction on the cap of student fee increases. For a small school like UNCA, a 3% increase in the debt service fee would not raise sufficient funds to finance a project more than \$600,000 with a 20-year amortization and only raise \$12/student. Due to the lack of economies of scale, this impacts the small schools the most and will limit their ability to serve their student populations should they need to expand areas such as dining halls, student life centers should they try to grow.

2. UNC-TV Millennial Campus Designation

Current law does not authorize the Board of Governors to designate System Office affiliates as millennial campuses, unlike System campuses. Specifically, the region could benefit from UNC-TV having the flexibility afforded in millennial campus designation. Given its main campus location in the RTP, UNC-TV is uniquely positioned to become a hub for performing arts, technological, media and educational innovation, and associated economic development initiatives as the Park tries to redesign its future as a work/live/play destination. If authorized, the BOG would still need to approve the designation along with the land use plans.

3. Create special designed license plate for NC Arboretum

Currently, approximately 60 entities have legislative approval for a specialty-designed licensed plate, which serves to raise money for the entities with the plates. The NC Arboretum is seeking to be added to the list, which requires a change to GS 20-63.



Area:	Need-based aid	
Topic:	Consolidate and simplify the UNC Need-based Grant, Education Lottery Scholarship, and Community College Grant into one North Carolina Scholarship	
Governance:	G.S. 115D-40.1 Financial Assistance for Community College Students Article 35A of Chapter 115C of the General Statutes S.L 2000-67 Section 10.1 NEED TO ID LOTTERY SCHOLARSHIP PROVISION	
Current Status:	There are currently three different need-based aid programs that serve public college and university students in North Carolina: the UNC Need-based Grant, Education Lottery Scholarship, and the Community College Grant. The NC Student Aid Study Group, a joint effort by the UNC and North Carolina Community College Systems, recommended that the state consider consolidating the three programs into one scholarship program.	
Current Challenges:	The existence of three separate programs, with three different eligibility criteria, makes state-based grant programs more complex to navigate and understand for students and families. Consolidating these three programs into a single North Carolina Scholarship would create a simpler, more user-friendly state aid system.	
Proposed Action:	See DRAFT language	



Area:	University Human Resources Policy		
Topic:	Exempt University Police/Public Safety Staff from Most Provisions of the NC Human Resources Act		
Governance:	North Carolina General Statutes - Chapter 126 - Article 1 (§ 126-5)		
Current Status:	 University sworn officers and telecommunicators are subject to the NC Human Resources Act (SHRA), which defines classification, compensation, selection/promotion processes, etc. aligned with other SHRA employees subject to the Act. Law enforcement officers are automatically enrolled in the state 401(k) supplemental retirement program with a 5% employer contribution. EHRA non-faculty employees are exempt from all but Articles 6 and 7 of Chapter 126; see 126-5(c1)(8). 		
Current Challenges:	 The University competes with counties and municipalities for police, telecommunications, and public safety officers. Some modifications to pay ranges (such as metropolitan rates for certain areas of the state) have been taken within the SHRA compensation program but are insufficient in comparison to the competition from many county and municipal entities. Changes to existing SHRA pay ranges require coordination and approvals from the Office of State Human Resources rather than being managed directly by the UNC System Office for EHRA nonfaculty employees. The University would need to retain comparable due process protections to other SHRA employees to attract and retain policy and public safety officers. 		
Proposed Action:	Add an exemption to NCGS 126-5 to provide EHRA non-faculty status for employees in police and telecommunicator positions. • Amend § 126-5 to add: (c14) Except as to the provisions of Articles 6, 7, and 8 of this Chapter, the provisions of this Chapter shall not apply to commissioned police officer and police telecommunicator positions of the University of North Carolina. Employees in positions covered by this exception shall be eligible for all employment and retirement benefits provided to state law enforcement officers subject to this Chapter. Enroll University law enforcement officers in the University's 403(b) supplemental retirement program with a 5% employer contribution. • Amend § 143-166.30(d) to add: (d) Supplemental Retirement Income Plan for State Law-Enforcement Officers As of January 1, 1985, there shall be created a Supplemental Retirement Income Plan, hereinafter called the "Plan," established for the benefit of all law-enforcement officers employed by the State, who shall be participants. The Board of Trustees of the State Retirement System shall administer the Plan and shall, under the terms and conditions otherwise appearing herein, provide Plan benefits either (i) by establishing a separate trust fund in conformance with Section 401(a), Section 401(k) or other sections of the Internal Revenue Code of 1954 as amended or, (ii) by causing the Plan to affiliate with some master trust fund providing the same benefits for participants. Law-enforcement officers employed by the University of North Carolina shall have the option to participate in a Plan administered by the University. The Plan shall be separate and apart from any retirement systems. • Amend § 135-5.1(b) to add: (6) Eligible Law-Enforcement Officers enrolled in the Optional Retirement Program shall participate in the University of North Carolina 403(b) Plan under same terms and conditions pursuant to G.S. 143-166.30(d).		
Legacy Exceptions:	This change retains the grievance and disciplinary protections under Article 8 of the Chapter.		



Area:	System office and AHEC Request – Efficiency		
Topic:	Remove requirement for redundant report and changing date of remaining report		
Governance:	SL 1995-507, sec 23A.5(a), (b), and (b1), § 143-613 and S.L. 2012-142, sec. 9.5, S.L. 1995-507, sec. 23A.5(d), § 143-613		
Current Status:	 The 1995 legislation, hereafter referred to as "Primary Care Plans," required the Board of Governors and the University of North Carolina to set goals and create plans to encourage NC residents to enter the primary care disciplines of general internal medicine and family medicine. The statute required a report every two years, starting on May 16, 1996. The Allied Health Education Centers (AHEC) has compiled these reports and plans for the University and, after presentation and approval of the Board of Governors, the University has submitted these updates each biennium. The 2012 legislation, hereafter referred to as the "Primary Care Report," required the University and the Board of Governors to update the legislature on "the progress of private and State-operated medical schools and State-operated health professional schools towards increasing the number and proportion of graduates entering primary care" every year. The report, due November 15 each year, has been completed by AHEC and, after presentation and approval by the Board of Governors, the University has submitted it to the legislature. 		
Current Challenges:	 The value of the biennial Primary Care Plans has diminished over the last 20 years, and AHEC and the Sheps Center for Health Services Research believes it no longer produces valuable information needed to address remaining underlying issues. While most plans are substantive (though some only a few sentences), many schools have acknowledged that plans rarely change so they often just make minor edits (dates, faculty updates, etc.) and resubmit. There are no state/national databases used for this, but rather self-reporting by NC's 5 medical schools, 9 nurse practitioner schools, and 11 physician assistant schools —and then compilation and editing by AHEC. Though the Primary Care report is every two years, collecting and compiling the report is resource intensive (i.e., personnel FTE effort), requiring persistent follow-up with schools from January to April for them to comply and submit their plans. We request eliminating requirement for continued reporting. On the other hand, the annual Primary Care Report has become a national model. AHEC, with the assistance of the Sheps Center, produces this report using the state licensure database and related national data. However, the national data has continued to lag and is now often not available until sometime in October. The delayed data the past few years has made it difficult to obtain the data, create the report, submit it to the System Office, have it seen and approved by the Board of Governors, and then reported to the legislature by November 15 each year. We request changing the date for this annual report to April 15, beginning in 2021 (a report was submitted in November 2019). 		
Proposed Action:	(a) In recognition of North Carolina's need for primary care physicians, Bowman Gray School of Medicine and Duke University School of Medicine shall each prepare a plan with the goal of encouraging North Carolina residents to enter the primary care disciplines of general internal medicine, general pediatrics, family medicine, obstetrics/gynecology, and combined medicine/pediatrics and to strive to have at least fifty percent (50%) of North Carolina residents graduating from each school entering these disciplines. These schools of medicine shall present their plans to the Board of Governors of The University of North Carolina by April 15, 1996, and shall update and present their plans every two years thereafter. The Board of Governors shall report to the Joint Legislative Education Oversight Committee by May 15, 1996, and every two years thereafter on the status of these efforts to strengthen primary health care in North Carolina.		

(b) The Board of Governors of The University of North Carolina shall set goals for the Schools of Medicine at the University of North Carolina at Chapel Hill and the School of Medicine at East Carolina University for increasing the percentage of graduates who enter residencies and careers in primary care. A minimum goal should be at least sixty percent (60%) of graduates entering primary care disciplines. Each school shall submit a plan with strategies to reach these goals of increasing the number of graduates entering primary care disciplines to the Board by April 15, 1996, and shall update and present the plans every two years thereafter. The Board of Governors shall report to the Joint Legislative Education Oversight Committee by May 15, 1996, and every two years thereafter on the status of these efforts to strengthen primary health care in North Carolina.

Primary care shall include the disciplines of family medicine, general pediatric medicine, general internal medicine, internal medicine/pediatrics, and obstetrics/gynecology.

- (b1) The Board of Governors of The University of North Carolina shall set goals for State-operated health professional schools that offer training programs for licensure or certification of physician assistants, nurse practitioners, and nurse midwives for increasing the percentage of the graduates of those programs who enter clinical programs and careers in primary care. Each State-operated health professional school shall submit a plan with strategies for increasing the percentage to the Board by April 15, 1996, and shall update and present the plan every two years thereafter. The Board of Governors shall report to the Joint Legislative Education Oversight Committee by May 15, 1996, and every two years thereafter on the status of these efforts to strengthen primary health care in North Carolina.
- (c) The Board of Governors of The University of North Carolina shall further initiate whatever changes are necessary on admissions, advising, curriculum, and other policies for State-operated medical schools and State-operated health professional schools to ensure that larger proportions of students seek residencies and clinical training in primary care disciplines. The Board shall work with the Area Health Education Centers and other entities, adopting whatever policies it considers necessary to ensure that residency and clinical training programs have sufficient residency and clinical positions for graduates in these primary care specialties. As used in this subsection, health professional schools are those schools or institutions that offer training for licensure or certification of physician assistants, nurse practitioners, and nurse midwives.
- (d) The progress of the private and State-operated medical schools and State-operated health professional schools towards increasing the number and proportion of graduates entering primary care shall be monitored annually by the Board of Governors of The University of North Carolina. Monitoring data shall include (i) the entry of State-supported graduates into primary care residencies and clinical training programs, and (ii) the specialty practices by a physician and each midlevel provider who were State-supported graduates as of a date five years after graduation. The Board of Governors shall certify data on graduates, their residencies and clinical training programs, and subsequent careers by November 15 of each calendar year, beginning in November of 2012 and each year thereafter on April 15, to the Fiscal Research Division of the Legislative Services Office and to the Joint Legislative Education Oversight Committee.

(e) The information provided in subsection (d) of this section shall be made available to the Appropriations Committees of the General Assembly for their use in future funding decisions on medical and health professional education.



Area:	University Legal Representation	
Topic:	University's use of outside counsel	
Governance:	G.S. 116-11	
Current Status:	North Carolina law currently requires that the Attorney General's office represent the University in any litigation filed against it, unless the University obtains the approval of the Attorney General and the Governor to retain outside counsel (which is rarely granted).	
Current Challenges:	The University's lack of control over its representation sometimes leads to operational challenges and disputes about litigation strategy, and often prevents the University from assembling the best team and resources for each litigation matter.	
Proposed Action:	The University could seek to amend Chapter 116 of the General Statutes to allow the Board of Governors to authorize the President to engage legal counsel for the University and its constituent institutions without seeking approval from any other State agency or official first. The proposed new subsection would allow the President to select either the AGs office, inhouse lawyers already employed by the University in a constituent institution's office of legal affairs, or private outside counsel (or some combination thereof).	
	G.S. 116-11 is amended to read:	
	"§ 116-11. Powers and duties generally. The powers and duties of the Board of Governors shall include the following:	
	(13b) Notwithstanding G.S. 114-2.3 or G.S. 147-17, or any other provision of law, the Board may authorize the President to designate legal counsel as the President deems necessary to represent the interests of the Board, The University of North Carolina, any constituent institution, and any officer or employee, in any matter, case, or proceeding in or before any court or agency of this State or any other state or the United States. The authority conferred herein includes the discretion to designate whether legal representation in any given matter is provided by the Attorney General's office, attorneys employed on the legal affairs staff of the University, private counsel, or any combination thereof. G.S. 114-2.3(d), 143C-6-9(b), and 147-17(c1) shall not apply to these expenditures.	

{U0030693.1} Rev. 02-08-2018



Area:	Legislation Impacting Oversight of UNC Lab Schools, NCSSM, and UNCSA	
Topic:	Modify "Public School Unit" Term's Applicability to Lab Schools, NCSSM, and UNCSA	
Governance:	S.L. 2019-51 (which amended Chapter 115C of the General Statutes)	
Current Status:	S.L. 2019-51 includes a new term, "public school unit," in Chapter 115C. The term is defined to include NCSSM, UNCSA, and UNC lab schools (in addition to charter schools, traditional public schools, etc.).	
Current Challenges:	Use of the term "public school unit" more broadly in Chapter 115C could subject NCSSM, UNCSA, and lab schools, which all operate under the auspices of the UNC Board of Governors, to an additional layer of oversight and reporting requirements from DPI. UNC K-12 schools do not currently fall under DPI's oversight. For the most part, these schools are not subject to Chapter 115C or State Board of Education (SBE) policy unless specifically stated in statute. Instead, they are subject to separate statutes in Chapter 116, and must abide by policies set by the UNC Board of Governors.	
	Because these schools are governed not by the SBE but by the BOG, including them under the term "public school unit" with schools governed by SBE, DPI, and local boards of education will prove continually problematic as the term "public school unit" becomes incorporated into new legislation without taking into consideration the impact of requiring constituent institutions of the UNC System to comply with statutes and policies meant to apply to schools governed by SBE and local boards of education.	
Proposed Action:	Amend G.S. 115C-5(11)(d), as amended by S.L. 2019-51, to remove UNCSA, NCSSM, and UNC laboratory schools from the definition of "public school unit" by removing G.S. 115C-5(11)(d)(2).	

{U0030808.1} Rev. 02-08-2018

2020 Legislative Proposal – Amend NCGS
Laboratory Schools – Permit a Constituent Institution
to Operate More than One Laboratory School

Area:	Laboratory Schools		
Topic:	Permit a Constituent Institution to Operate More than One Laboratory School		
Governance:	Article 29A of Chapter 116		
Current Status:	Article 29A of Chapter 116 currently requires that the Board of Governors designate at least nine constituent institutions to submit proposals to establish laboratory schools. Additionally, the statute permits the Board of Governors Subcommittee on Laboratory Schools to grant three waivers of the requirements for eligible local school administrative units in which laboratory schools may be located.		
Current Challenges:	The requirement that nine separate constituent institutions must establish lab schools is unnecessarily limiting and may prevent an institution with one lab school with positive outcomes from having a broader impact. The proposed change would permit the Board of Governors to approve a constituent institution to operate more than one laboratory school. The small number of lab schools eligible to receive waivers from the Board of Governors Subcommittee on Laboratory Schools also limits our institutions' options to establish partnerships with certain local school administrative units to establish lab schools.		
Proposed Action:	Amend Article 29A of Chapter 116 to require the establishment of nine laboratory schools in total as opposed to requiring that nine constituent institutions establish laboratory schools. Please see attached redlined document.		

{U0030897.1} Rev. 02-08-2018

Area:	Laboratory Schools	
Topic:	Recruitment Efforts for Laboratory School Population to Reasonably Reflect Population of Local School Administrative Unit	
Governance:	G.S. 116-239.9, as proposed to be amended by H966, Section 8.5.(d)	
Current Status:	The current proposed language in H966 regarding making efforts for the population of the school to reasonably reflect the composition of the general population residing in the local school administrative unit is unclear about what is expected.	
Current Challenges:	The current proposed language does not include limiting language which guards against non-discrimination as the comparable statute for charter schools (G.S. 115C-218.45(e)) does.	
Proposed Action:	Modify subsection (e) of Section 8.5.(d) of H966 so that it reads as follows: (e) Within one year after a laboratory school begins operation, the laboratory school shall make <u>reasonable</u> efforts <u>in the recruitment process</u> for the population of the school to reasonably reflect the racial, ethnic, and socioeconomic composition of the general population <u>of students</u> residing within the local school administrative unit in which the school is located. A lab school shall not unlawfully discriminate when making admissions determinations.	



Area:	Economic Impact, Excellent and Diverse Institutions and Student Success	
Topic:	Remove Debt Service Fee from the statutorily mandated 3% cap on fees	
Governance:	§ 116-143.10. Cap on student fees.	
Current Status:	The Code currently stipulates that, "Notwithstanding G.S. 116-143 and G.S. 116-11(7), the Board of Governors of The University of North Carolina and the Board of Trustees at each constituent institution may increase the cumulative total of all undergraduate student fees approved by either the Board of Governors or the Board of Trustees by no more than three percent (3%) per academic year. (2016-94, s. 11.4(b).)"	
Current Challenges:	With the legislatively mandated 3 percent cap on student fees, a 3% increase in the debt service fee would generate less than \$12 per student in debt service fees for UNC Asheville. That would generate less than \$40K and would not allow us to do a project more than \$.6M with a 20 year amortization. As a comparison, our recent Highsmith Student Union project was an \$11.6M project. This cap is particularly burdensome on the smaller schools in the System that do not have the scale to generate the revenue needed to fund debt service projects. If we want to grow headcount and continue to attract and retain students, we need the flexibility to build and renovate buildings supported by the debt service fee such as our, dining halls, student life centers, and other auxiliary buildings. Having well-maintained and modern facilities helps us attract top talent and it will foster student success because students congregate and learn in these spaces as well.	
Proposed Action:	Amend 116-143.10 to say "cumulative total of all undergraduate student fees, <i>except</i> the debt service fee, approved by the Board of Governors	

Area:			
Topic:	Authorize BOG to Designate Affiliates as Millennial Campus (UNC-TV)		
Governance:	NCGS § 116-198 (Article 21B)		
Current Status:	Board of Governors may act on recommendation made by the President of The University of North Carolina after consultation by the President with the Chancellor and the Board of Trustees of a constituent institution, to designate real property held by, or to be acquired by, a constituent institution as a Millennial Campus of the institution. Millennial campus designation gives universities regulatory flexibility to (i) finance projects & (ii) collaborate w/industry & private sector on innovative ventures. • Exempt from provisions of Umstead Act • Broader authority on revenue & debt to allow quicker development & foster public-private partnerships To qualify for millennial campus designation a constituent institution must demonstrate: • Enhance an institution's research, teaching & service missions • Drive economic development in the area • Have administrative & fiscal capability to maintain such a campus		
Current Challenges:	Current law does not authorize the Board of Governors to designate system office affiliates as millennial campuses. UNC-TV, the North Carolina Arboretum and the UNC Press could all potentially benefit from the flexibility afforded millennial campuses. UNC-TV, in particular given its main campus location in the RTP, proximity to an international airport and existing relationship world class public and private universities; its statewide broadcast reach; regional and national content creation reputation and brand identity brand identity; and its multiplatform technological infrastructure, is uniquely positioned to become a hub for performing arts, technological, media and educational innovation and a laboratory for public safety, content distribution and associated economic development experimentation.		
Proposed Action:	Amend NCGS § 116-198.33 (4b) The term "Millennial Campus" means all real property and appurtenant facilities designated by the Board of Governors as part of a Millennial Campus of a constituent institution or affiliate of The University of North Carolina other than North Carolina State University or the University of North Carolina at Chapel Hill. The properties designated by the Board of Governors do not have to be contiguous with the constituent institution or affiliate to be designated as part of the institution's Millennial Campus.		
	Acting on recommendation made by the President of The University of North Carolina after consultation by the President with the Chancellor and the Board of Trustees of a constituent institution, or by the President with Chief Executive Officer of a system office affiliate, to designate real property held by, or to be acquired by, a constituent institution or affiliate as a "Millennial Campus" of the institution or the system office. That designation shall be based on an express finding by the Board of Governors that the institution or affiliate desiring to create a "Millennial Campus" has the administrative and fiscal capability to create and maintain such a campus and provided further, that the Board of Governors has found that the creation of the constituent institution's or affiliate's "Millennial Campus" will enhance the institution's or affiliate's research, teaching, and service missions as well as enhance the economic development of the region served by the institution or affiliate. Upon formal request by the constituent		



institutions <u>or affiliates</u>, the Board of Governors may authorize two or more constituent institutions <u>or affiliates</u> which meet the requirements of this section to create a joint Millennial Campus.



MEETING OF THE BOARD OF GOVERNORS

Board of Governors

March 20, 2020

Closed Session Motion

Motion to go into closed session to:

- Prevent the disclosure of information that is privileged or confidential under Article 7 of Chapter 126 of the North Carolina General Statutes, or not considered a public record within the meaning of Chapter 132 of the General Statutes.
- Consult with our attorney to protect attorney-client privilege.
- > Consider the qualifications, competence, performance, or condition of appointment of a public officer or employee or prospective public officer or employee.

Pursuant to: G.S. 143-318.11(a)(1), (3), and (6).

APPENDIX I



Amended Authority for Fiscal Year 2019-20 Annual Raise Process Pending an Adopted State Budget or Mini-Bill

As of March 2020, the Current Operations Appropriations Act of 2019 ("Appropriations Act of 2019" or "The Act") has not been approved and therefore has not provided for compensation increases for faculty and other employees exempt from the North Carolina Human Resources Act ("EHRA non-faculty employees") or for employees subject to the North Carolina Human Resources Act ("SHRA employees").

In May, 2019, the Board of Governors delegated to the President the authority to develop and issue to the System Office and the constituent institutions detailed instructions for an annual raise process ("ARP") for permanent (generally benefits eligible) employees, upon allocation of funds to the Board of Governors pursuant to the Appropriations Act of 2019. For EHRA employees, this grant of authority specified that any discretionary increases are primarily based on demonstrated meritorious performance in teaching, service, publication, and/or research productivity, with labor market and/or equity as secondary factors.

As the outcome or timing of any ARP process for fiscal year 2019-2020 remains uncertain, the prior grant of ARP authority to the President shall be amended so that any discretionary EHRA increase may be accomplished either using an across-the-board approach and/or based on meritorious performance as the President deems appropriate and practical, so long as it shall comply with the Appropriations Act of 2019, or alternatively any other statutory authority which shall be enacted prior to the conclusion of the fiscal year. The authorities previously granted for any SHRA ARP shall remain in effect.

BE I	T SO RESOLVED.	
	, 2020	
	ROVED BY THE BOARD OF GOVERNORS OF E UNIVERSITY OF NORTH CAROLINA	
By:	Meredith M. Steadman Secretary of the University	(Seal)