



**UNC Tomorrow Listening Forum
Summary of Public Input
Research Triangle Park Region (NCSU McKimmon Center)
October 10, 2007, 4:00 pm**

EXECUTIVE SUMMARY

Main themes expressed by the public:

- K-12 – Need more and better teachers, more math and science teachers; provide math and science education programs for elementary school teachers; prepare teachers for the diverse world in which they will be teaching; leadership training for school administrators; more lateral entry programs; develop “college readiness” standards for K-12 students; more UNC outreach to middle and high schools to motivate students and increase college-going rate – especially for minority and low-income students; more access to college courses for high school students; be innovative in education partnerships (ex: establish “charter lab schools” in partnership with campus; establish Head Start programs on campuses)
- Affordability and Accessibility – More scholarships; increase access and accommodations for persons with disabilities, keep higher education affordable (will increase access for low income students)
- Collaboration with education partners – Approach as “K-16,” not K-12; develop “seamless” relationships with Community Colleges and Private Colleges; strengthen articulation agreements; greater flexibility in course delivery, especially for adult learners (ex: non-traditional hours for classes); consider satellite and branch campuses
- Collaboration with the community – Increase partnerships with businesses, community organizations, and non-profits
- Student Skills – Educate students with stronger math and science skills and “soft” skills (creative thinking, analytical reasoning, oral and written communication, etc.); support arts programs as a means for developing soft skills; develop “service sciences” curriculum; expand internships so students get “real world” experience; more leadership development for students
- Research campuses – Recognize importance of world-class research as economic driver and support research activities of research extensive campuses
- HBU campuses – Strengthen HBU’s; more equity in faculty pay
- Minority contractors – Increase minority business participation in UNC contracting and procurement



- Hispanic community – Increase educational opportunities for fastest-growing population in the state and exercise leadership in improving college access
- African American male students – Increase college-going rate and graduation rate; motivate students to achieve academically; make college “less intimidating”
- Environment – Marshall faculty expertise to help address issues such as water shortage, climate change, and land conservation; increase environmental sciences programs; establish environmental literacy programs; lead in sustainability efforts on campuses
- Outreach – Utilize strengths and talents of students and alumni more (ex: college recruiting at high schools); expand study-abroad and international exchange programs; establish pre-college programs on all campuses
- UNC Mission – Remain focused on core mission of UNC, especially primary mission of teaching; measure teaching outcomes and reward teaching excellence; maximize existing resources



DETAILED SUMMARY

Economic and Community Development

- The best thing the UNC System can do for economic development over the next 20 years is to ensure the support and funding for the Research Extensive Universities in the system to maintain to enhance their international reputations for quality, to maintain the excellence of university faculty and students to provide leading-edge research and education to students around the world
- Focus on improved designs related to human abilities useful to people with disabilities then, focus on how to transfer applications that can generate revenue streams and new economies, jobs, industries
- Perhaps the universities should not be so focused on economic development—that is not what their faculty members do best—leave it to commerce and the community colleges
- UNC campuses can work closely with economic developers to attract and create industries
- Every campus should have a responsibility in helping attract companies to the state
- The development of all “centennial campuses” across the state should be accelerated
- All chancellors should be encouraged to support economic development
- A key to economic development is the availability of a workforce that can adapt to change—something universities have not been good at—more creativity and innovation needs to be fostered
- Universities need to be more willing to share the results of their research with businesses and the community (and businesses should be more open—there are no trade secrets anymore)
- It is essential that UNC not lose a focus on the arts and their role in developing creative, innovative graduates and in their economic development role
- UNC should not forget what attracts many of the mobile, globalized workforce—the cultural opportunities in our communities
- UNC should provide the leadership in giving voice to the needs of minorities
- UNC should focus on its business-teaching and learning and stop building hotels, athletic facilities, hotels etc. and get costs down—increases in tuition and fees at Chapel Hill and State have been out of line; keep costs down and make sure public school students are aware of how to get funds for college—counter perception that college is unaffordable
- The number 1 priority of UNC, particularly at the research extensive universities but as a whole system, should be the support of and production of world-class cutting edge research that will keep their international reputations and create the jobs of the future
- University must play a fundamental role in equipping our children with the tools to be competitive in the 21st century knowledge-based economy.



- Expand training and course offerings in entrepreneurship—offer them in local communities.
- North Carolina is developing an accent, with the growing immigrant community; need to decide how to tackle the challenges faced by the growing diversity of the community, not only race and ethnicity but also economic and disabilities.
- Prepare the public (K-12, college and post-college) for the 21st century global community—global education; multilingual and multi-cultural.
- Promote the importance of languages in the community. Increase the international student population so that our children will be educated with people from other countries.
- Leadership development—help community leaders see how to connect with the entire state. For example students need to know that poverty exists both in the west and in the east. UNC should help to develop leaders—among professionals and non-professionals. Consider MIT’s Community Fellows Program as a model to develop better communities.
- Get UNC students into the community, working with public schools and local organizations.
- UNC represents the last hope for disabled people who want to participate in the university system. Each campus needs to embrace the ADA as a minimum of what they are expected to do. Requirements are being interpreted differently from campus to campus. Not all seem to believe that disabled North Carolinians deserve an education. It goes beyond ramps and accessible bathrooms.
- Apply universal design to curriculum development, for both on campus and online courses. There were many examples about how the forum made no accommodations for the disabled participants, e.g. no interpreters, no sub-titles in the film, etc.
- Partner with non-profits to meet community needs. Make UNC students aware of the role that non-profits play in the communities as many will go to work for these organizations.
- Support the arts as we try to build high quality communities.
- Need to see greater numbers of UNC faculty working in the communities.
- Address key workforce shortages, such as teaching and nursing.
- Partner with community colleges and private colleges. Treat them as equal partners.
- Help provide access to affordable capital, markets, management and operations for the business community.
- Support minority business development, especially for women-owned firms.
- Provide a single point of contact for economic development support on each university campus. Look at the NC State model.
- Model the collaborative activities that exist between the business community in Wake County and the faculty and staff at NC State University.
- Every campus should embrace the philosophy that the campus should not just educate but also help build the community, including the economic base.
- Each Chancellor should have enthusiasm for economic development.
- UNC needs to help expand the entrepreneurial capacity of our communities.



- UNC needs to be the differentiator that separates us from the rest of the world. Build an architecture of participation—across the street and across the world.
- UNC needs to make procurement less of an event and more of a process.
- Encourage historically black universities to foster entrepreneurship—no businesses surround their business schools. Every MBA student should leave with a viable business plan—in fact all business majors should.
- Work with the military bases, both military and civilians on the bases.
- NC is a very diverse state. UNC needs to help the state to value and celebrate this diversity.
 - Greater equity in salary is needed across the various UNC institutions regardless of their research classification. This is necessary to attract and retain excellent faculty.
 - Greater diversity is needed in the leadership of UNC institutions.
 - Encourage and support stronger collaboration between the minority institutions in the state to strengthen their academic offerings—both public and private.
- Pay attention to the historic under-funding of minority institutions.
- Involve the students; listen to them.
- Engage the UNC alumni; they are trained and are the strongest supporters of the university. They are an underutilized resource.
- UNC should remember to tell its story to its students and they can help take its message to the public school students.
- Stop the marketing of credit cards to college students on UNC campuses.
- It is not just about the technology, it is also about the arts and cultural diversity that draw people to the state. UNC should not ignore that part of the community.
- Give students an international exposure—consider satellite universities in Latin America and have some of these students go there to study and be immersed in the culture for a year or so—real international exposure. That will help to train the T shaped workers that companies like IBM needs.
- UNC might advocate and provide research expertise to alleviate the transportation issues in the area.
- Support the two UNC institutions in Durham that are doing a great job in supporting the local economy.
- Value the faculty and staff at the HBI, both public and private.
- Economic development is a better role for the Dept. of Commerce and the community colleges. UNC should remain focused on its core missions—teaching, research and service.
- Clusters of innovation report by Michael Porter educated region on value of universities in nurturing industry clusters. Subsequent UNC system report became the blueprint for reform and recommended single point of contact for university – industry clusters development. End result is a well-funded Wake County – NC State marketing program to generate new jobs in pharma, agric biotech, advanced medical, nanotechnology, vehicle component parts and logistics. College of Textiles, Eng, Management, and Design have collaborated with industries in employment generation, marketing brochures, trade shows, etc.



- Flex space construction has also attracted new industries and Centennial Campus has helped attract new firms
- Universities need to play a vital role in the recruitment of companies, and need to accelerate the construction of millennial campuses across the system (BUT need to eliminate the red tape to accelerate construction), and Chancellors need to mimic NC State directives.
- RedHat – NC State partnership through internships, adjunct faculty, visiting professors, and proximity to School of Computer Science helps with labor recruitment. Centennial campus is a model for university-industry partnerships.
- UNC system can be a differentiating factor in attracting new innovative companies to the state BUT needs continued investment.
- Chancellors need to be a leader in economic development since this can trigger additional investment in the regional economy. Chancellor needs to listen to community leaders. President Bowles needs to encourage Chancellor's to be CEO's.
- Universities are primarily urban campuses but need to outreach to rural areas where natural resources are a key asset through tourism development and indigenous development. Can be catalytic in these regions through the seven economic development regions.
- Need to consider new roles for promotion and tenure that include outreach to community through tech transfer and patents, engaged universities, and expanded promotion and tenure requirements that include applications of scholarship to community development. Cash always works as an incentive and need to recruit faculty in with new and different expectations early on to establish the benefits of participation.
- NC Department of Commerce may be more appropriate vehicle for economic development than faculty less able or oriented to do such work.
- Set up a campus in Latin America and encourage Study Abroad programs throughout the UNC system to work through this campus to establish Latino literacy.
- Need better access to affordable capital and higher education system. Fastest growing Hispanic population and eight largest African-American population in the country BUT widening disparities by income and race
- Need for more faculty diversity and university-minority business partnerships
- Access is crucial and distance education is only part of the solution. Also, need satellite campus especially in downtown rural communities, and facilitate lobbying to build new K-12 schools in rural, lagging regions.
- While we have 5 public and 5 private HBCU's we need leadership regarding collaboration between these institutions and need to pay attention to historic effect of under-funding
- Minority consumer debt especially amongst college students is a burden that needs attention particularly regarding credit card marketing on campuses with deceptive interest rates.
- Be sensitive to accessibility for physically challenged population and consistently apply the American Disabilities Act across campuses (not just physical facilities but



policies and practices) and be sensitive to multi-cultural, multi-lingual contexts which can broaden access to labor markets and facilitate additional entrepreneurship.

- Need for Head Start programs on each of the HBC campuses for early childhood intervention
- Preferential treatment for the NC School of Science and Mathematics over the other 460 NC High Schools is inappropriate and should be addressed and free tuition rates offered to best students no matter which school they graduated from
- Increase agricultural (specifically mentioned) tech transfer activity to the private sector
- Help with biosecurity. Need a mechanism to transfer knowledge from labs to the field and commercial environments.

Environment

- Develop a green standard for a carbon footprint and a dollar value for each person's oxygen and water use
- Develop models that will lead the way in the world to new environmental economics
- Develop new models of innovation, economics, and industry related to sustainability and the green standard
- Develop more proactive green standards for building and construction on all campuses; e.g. building requiring 5 stories if over 2 acres in size
- Unless we deal with our environmental problems, there will be no need to worry about any others (a paraphrase-but pretty close to a quote)
- Traffic is awful in the middle of the state and public transportation is inadequate
- UNC should support efforts to protect and preserve the natural resources of the state.
- Water—bring its intellectual power and planning expertise to help local governments plan for and preserve water.
- Climate change—use UNC resources to help reduce greenhouse gases.
- Natural resources—marry environmental protection with economic development, e.g. ecotourism.
- UNC system needs to be a better steward regarding water use, climate change, natural resource-based development strategies through eco-tourism, and expanded environmental science programs.
- To foster and facilitate sustainability in the UNC System: (1) mobilize the intellectual power and expertise in the University system to focus on the problem of water conservation: (2) use intellectual resources to figure ways to reduce emissions; (3) figure how to marry environmental protection and economic development;; and (4) conserve University owned land and use it for education purposes.

Higher Education and Training

- Most important thing UNC can do is to teach well—evaluate teaching and reward good teaching



- UNC needs satellite campuses to reach underserved groups particularly in the downtowns of cities and rural areas
- The public and private HBCUs need to collaborate together
- Much of the bond money was spent at HBCUs on deferred maintenance, so they still have many capital needs
- As nation forgives foreign debt, needs to find ways to forgive student debt
- UNC should expand its outreach to other countries—satellites and collaboration with other countries
- UNC needs to give their students more than STEM—they need education in teaming, languages, cultures—every curriculum should be internationalized
- Underrepresented groups need to be attracted to universities—UNC should be the University of the People
- UNC should see that students are introduced to non-profit sector as possibility for service opportunities while in school and for careers and make students aware of loan forgiveness programs for public service
- Extracurricular activities should be stressed—that is where many of the so-called “soft skills” are learned and where students find new interests that can lead to a more meaningful education
- Need more nursing faculty—the masters in nursing and in clinical specialties needs to be more available; however, the number of seats for nursing students will not be increased unless there is a concomitant increase in the availability of clinical sites for training
- Community college-UNC transition needs to be made easier
- UNC retention rates could be improved if support systems were better, including counselors, child care, people who can help students how to deal with large, impersonal universities
- Students need to be given more experiences in the real world as part of their educations
- Alumni are a largely untapped resource for recruiting, supporting students—need renewal of system-wide alumni affairs council
- Find ways to tap into to students’ passions
- Provide more early college initiatives and programs to students
- Recognize and develop awareness of how working 20 hours or less effects student achievement vs. 20 hours or more
- Work more collaboratively with community colleges specifically to enhance the curriculum standards, curriculum cohesion, and improve the ability to transfer and transition throughout the system
- Improve the enrollment process to improve ability to go from any 2 year to a 4 year institution
- Extend and expand the use of I-pods to increase the presence of higher education throughout the community vs. viewing higher education as primarily on campuses; e.g. University of Phoenix, Open University of the United Kingdom
- Provide more incentives and new models for faculty and students for to increased enrollment



- Provide more incentives and new models for faculty and students to increase teaching excellence; e.g. John Beardon, the University of Mexico with on-line classes for students in the US and abroad
- Build the will, intention and creativity to tear down tradition (old bad habits) to create new curriculum that are learning outcome based in the areas of communication, technology, critical thinking
- Need to build and support the international student population
- Have to attract Hispanics to college and graduate them
- Develop private partnerships to fund undocumented students' out-of-state tuitions until the Dream Act is passed
- UNC needs a commitment to and leadership of efforts to include all people, providing accurate and consistent interpretations of the ADA, and making it clear that all students, staff, faculty, and community members are welcome to all university activities
- Students need **real** international experiences (not trips to Cancun) –send students to UNC satellite campuses in places like Latin America
- UNC curriculum needs to be infused with service science—at the graduate and undergraduate levels –IBM liaison is willing to talk with deans and faculty
- Equip young people with knowledge and skills needed to thrive and prosper in an interconnected world.
- Continue to promote access for low income students
- Work to provide equitable funding across system's schools.
- Pay greater attention to training of older population.
- Establish a single point of contact for Economic Development in UNC System Schools. Office of Extension, Outreach, and Economic Development at NCSU is an example.
- Take a look at Schools of Education in the UNC system and hold them to a higher level of expectation for delivering quality teachers.
- Do more leadership training for K-12 administrators and teachers.
- Expand programs that facilitate access for youth from economically distressed backgrounds, such as the Carolina Covenant and Wolf Pack Promise.
- Communicate the UNC system's views on the reauthorization of the No Child Left Behind Act—recognize that it has implications for both teacher training and how we educate youth.
- Establish campus-wide programs to tap students with idealism who might want to go into teaching—as a strategy for closing the teacher demand-supply gap.
- Leverage the assets and resources of the School of Science and Math to better train teachers in science and math.
- Develop university lab schools as beta test sites for new ideas and innovations for improving education outcome for disadvantaged youth. Use charter school legislation to finance these lab schools and make sure that they have a global education focus.
- Establish a new academic discipline at both the undergraduate and graduate levels in Services Science to prepare people to work in the “services” economy of the 21st



century. This new discipline should prepare what was referred to as T-shaped people—individuals with depth in one or more subjects (e.g., business or technology) but breadth in others (e.g., social sciences, culture, and politics).

- Enhance the research competitiveness of R-1 schools in the UNC System.
- Require each campus to fully embrace and enforce the Americans with Disabilities Act to eliminate current inconsistencies in the way in which the law is interpreted with regard to both access and employment practices for the disabled.
- Establish more pre-college offices on UNC System campuses. Target kids as early as middle school for campus tours.
- UNC must think big; think global.
- Expand outreach; higher education is an industry in which we have a favorable balance of trade; establish a presence in other countries and send our students on international exchanges and welcome international students to our campuses
- Equip our students with the skills they need for the global economy.
- Provide more programs and students in STEM subjects.
- Help students prepare to work in multi-cultural teams.
- Need better access to UNC, in the downtown rural communities. Online learning is great but nothing beats being there.
- Develop a very aggressive college outreach program, especially to help economically disadvantaged students. Help them not only to enter but to graduate with the skills they need—from the UNC system.
- Provide access to low income and otherwise disadvantage students. We need to educate all of our human resources. Use the Carolina Covenant program as a model.
- Focus more efforts on making UNC more accessible and affordable to the citizens of North Carolina—minorities and rural citizens, for example.
- Make students aware of loan forgiveness programs for public service workers including teachers, social workers, military, etc. Loans are forgiven after 10 years of service.
- Make the UNC education more affordable. Speaker dropped out because he could not afford the tuition. He returned later. Students want to pay for value.
- Keep the cost of university education affordable—dorms and athletics do not enhance education—they are luxuries that the UNC cannot afford. Focus on a quality education.
- Need a fair affordable tuition program for all students who graduate from high schools in the state. NC School of Math and Science gets free tuition grants when similarly qualified students from other schools do not receive them. This is an unfair practice and should not be allowed to continue
- Need more scholarships for low-income students, not only bright students. More pre-college offices are needed on the UNC campuses; some institutions don't offer campus tours for middle school students who need to be exposed.
- Must increase college-going rates for African Americans and Latinos, so it is very important to keep the UNC affordable.



- Leadership training should be a priority and need to mitigate dropout rate through expanded programs that assist those lagging behind in the education system through improved access, affordability and convenience
- Think globally by expanding outreach with other universities by establishing campuses overseas; instructional programs should equip students with skills necessary for an interconnected world in stem subjects (science, tech, math) and focused on diverse teamwork solutions; address shortage of K-12 teachers through Schools of Education; promote access to disadvantaged students (e.g., Carolina Covenant and Wolfpack Promise) and offer pre-college offices on campuses.
- Graduating college students are not going to get good jobs with good doctoral programs with a focus on basic innovative research in specific industry clusters. Need for a drive to produce creative, innovative thinkers otherwise we will produce an environment of mediocrity and diminish our state's competitive advantage.
- Need to partner more with nonprofit foundations especially in environmental areas through faculty expertise and student placements, and service experience built on student passion and interests. Conservation Trust for North Carolina has placements with Duke University.
- Public-private partnerships need to be extended particularly regarding policy changes to facilitate childhood education and economic security. Initiative to craft a children-based saving program (one of only 7 states) but will require task force with faculty, research applications, and new legislation. Establishes a long-term asset building relationship in impoverished households.
- Distance education is essential for access But need for alternative methods of teaching. Community outreach to lagging counties can help create a climate of opportunity and it needs face-to-face contact early in a child's life. Broadband access is not uniform throughout the state. Need for better prepared principals and teachers. People respond to people.
- Need to concentrate on teaching and student learning and pursuing other activities just increases costs.
- Center stage is good teaching which state law states is the primary mission and needs to be appropriately rewarded especially since we need to teach teachers (10,000+ new teachers are needed). The demand will require partnerships with CC and private colleges to fulfill this mandate of teaching teachers.
- Great need to increase college-going rates and college graduation rates especially among African Americans and Latinos BUT tuition rate increases will impinge on progress in this area.
- Involve students in making policy and program decisions. Their perspective should be valued and respected as they may be closer to current changes and trends in society and technology.
- Create a mechanism to provide awareness of programs and services system-wide, not just those available at a "local" campus
- Provide "learn and earn" opportunities
- Consider a mechanism to recognize K-12 students participation in programs delivered by UNC when those students apply for college



K-12 Education

- Too many of our teachers are coming to the schools without an appropriate understanding of how to deal with the diversity of groups in the schools
- Establish more pre-college offices on UNC System campuses. Target kids as early as middle school for campus tours.
- Some kids are dropping out because they are bored—need college-level courses for high school students
- UNC needs to collaborate with public schools and community colleges to develop a means for determining when a student is ready for college
- UNC should advocate for NCLB in principle and for appropriate changes in the NCLB legislation
- UNC should look at the Teach for America model for attracting bright college graduates into teaching for a couple of years
- UNC needs to make it as easy as possible for lateral entry teachers; lateral entry should be marketed as a possibility for retirees, in all discipline, not just math and science
- UNC should give their elementary and middle school teachers 5 years rather than 4 years of education to make sure they are comfortable teaching math and science
- UNC should go into the charter school business, going back to the old idea of lab schools where innovative training and experimentation can occur, tapping businesses and other community groups to be involved; HBCUs should have high schools and Head Starts
- There need to be qualitative changes in the nature of colleges of education to equip teachers for preparing globally competitive graduates of the public schools
- College tuition scholarships should be provided to all qualified students, not just those from the School of Math and Science
- Middle and high schoolers need more summer camps to get them ready for college
- UNC needs to work closely with programs like AVID to provide early education about college—each campus should have a pre-college office to do this
- More professors need to have a physical presence in the schools; professors can help students with projects and teach about technical issues such as energy and robotics
- More college students should be in the schools; send the athletes in to coach and mentor
- Begin to see and promote the process of education as K-20 not just K-12
- Provide more mentoring programs and methods for adults and subject matter experts to connect with students; e.g. ROBOTX, STEM, I CAN
- Help students see higher education as a pathway of discovery and a way to pursue their passion in life while learning
- Engage students earlier in the decision-making related to college and training while taking into account younger people's life style
- Develop models and identify pathways that support the development of the 30% of students who do not want to attend college or are not suited for college;



- Market and promote more about the process of learning and a life long approach to learning
- Develop pre-college outreach programs for disadvantaged youth, with an eye toward improving college access, matriculation, and graduation.
- Target retirees as an important talent pool to address the teacher shortage in NC public education
- Continue to engage in research and training to better serve the K-12 population.
- Continue to provide qualified teachers for the K-12 system. Put the right resources into Schools of Education and hold them to a very high standard of education and performance.
- Teachers must understand cultural differences and be able to work with diverse cultures.
- Provide access to high-level courses; some students drop out because they are bored. Expand the availability of university courses to high school students.
- Have standards to ensure that students leaving public schools are college ready.
- No Child Left Behind should be of interest to the UNC. It has implications for public schools and how we train students for the future. It needs to be made more realistic.
- Need more teachers—enough are not being trained and many who are trained don't go into the classrooms.
 - Provide more scholarship opportunities.
 - Train more teachers in the STEM disciplines.
 - Engage in campus-wide recruitment programs—sophomores inside the UNC system.
 - Support and build lateral entry programs; take the university to them; make it accessible and affordable.
 - Look beyond graduation to staff development programs once teachers are in the schools. Use the Math and Science Network and the School of Math and Science to help prepare more highly qualified math and science teachers.
- More creativity is needed in Schools of Education. UNC should create laboratories in the Schools of Education, using Charter School legislation, to work with urban schools. Build a model of what a globally focused school should look like. Involve the international companies in the community.
- Work with the State Board of Education in defining what is a college-ready student.
- Help address the shortage of K-12 teachers; also provide qualitative changes—knowledge and skills that students will need in a 21st century world—cannot teach what you do not know.
- Be sure that students are prepared for the 21st century workforce—prepare the pipeline by beginning with the teachers. Train them and retain them. UNC can provide support to keep the best and brightest in the classroom.
- Number of engineering students is declining. Would like to see stronger linkages with K-12 to make them aware of career opportunities in engineering, science and math.
- Remove the criminal justice emphasis from the public schools—too much is considered a crime in the classroom. UNC needs to work with the Board of Education to develop a more humanistic code so that schools are more conducive to



learning. The environment needs to be more motivating. Don't begin by showing a child the detention hall; show him or her the library. Discussion must go beyond teacher pay. Have teachers and principals read Nel Noddings' work about "Caring in Education."

- Retaining of teachers needs to be a priority for UNC—too much work; not enough leisure time is driving teachers out of the profession.
- Remove the tier system in UNC, or at least flatten it. When seniors with a 4.0 can't get into UNC-CH something is wrong (3.5 and 1200). It needs to be less of a tiered system and more of a "shared glory" so students will want to go to all UNC institutions.
- Review the funding model for UNC institutions.
- Public school counselors need to be educated so they will market the UNC schools better.
- Help to develop the right climate in the public schools; "it is not just the pay, it is also the climate."
- More workforce development training is needed. Not every child needs to go to college. Trade education should also lead to career success. Collaborate with community colleges.
- Link better with K-12; NSF grants are supporting strong components for working with K-12. Involve UNC students in doing work with the community. One example is rehabilitation engineering. Students can work with faculty and the public schools to make a difference.
- Need to link research faculty with K-12 teachers to translate research into K-12 education. A good model for this is the Kenan Fellows for Curriculum and Leadership Development program started at NC State. Also consider the NSF RET program, for P-16 students as a model (**National Science Foundation (NSF) Research Experiences for Teachers (RET) Program**) – One being run by the Kenan Institute for Engineering, Technology & Science at NC State.
- Teachers and school systems need to know what resources already exist and how they might be accessed.
- Invest in future teachers.
- Help inform retirees of the opportunities to teach in the public schools and remove the obstacles to them.
- Support Head Start programs on each HB campuses.
- Create a reward system that is similar to athletic scholarship, but academic scholarships to get more teachers to get into public schools.
- Ninth grade student: Need more summer programs for students to prepare them for college, e.g. more and longer summer camps.
- Focus on improving teaching.
- Two middle school students—want to connect with professionals in their areas of interest.
- Need to prioritize Schools of Education regarding training of teachers particularly programs that focus on diversity and ethnicity to help teachers to be more effective in the classroom.



- Improved communication between HS, CC and universities is needed to prepare students that are 'college ready' and establish standards in this area.
- Universities should be involved in the new legislation on No Child Left Behind.
- Need about 8-10K teachers per year but higher education only supplies 3K a year and not all pursue a teaching career. Also, many are under-prepared which exaggerates the gap in supply and demand especially in eastern and western North Carolina
- Need to track undeclared sophomore students and recruit early to increase number of graduating and certified teachers. ECU has led the way in teaching teachers BUT need to take the university to the source regions to make it more accessible and affordable.
- Math and science teachers are not fully prepared after a four year college degree and so a need exists for on the job training after graduation through Math and Science Network housed at GA.
- Could the university access the Charter School legislation and establish Model Schools focused, for example, on downtown minority populations
- Increase UNC System engagement in K-12 to
 - improve awareness of educational programs and areas of study
 - improve awareness of financial aid
 - help potential students identify and reduce barriers to higher ed
 - increase awareness and enrollment from rural counties
- Extend UNC resources to gifted students, not just those deemed "at risk"

Health Care

- Pay greater attention to the need for training in gerontology, to provide assistance and support to our aging population.
- Need for more nurses and other medical professionals.
- UNC needs to address the nursing shortage, beginning with the shortage of nursing faculty. Over 50% of nursing faculty are over 60 years old. More BSN programs are needed, not just masters programs.
- Initiate a North Carolina Health Service Corp to support rural health care.

Notable quotes:

"The need for innovation in education is not a College of Education problem – it is a campus-wide problem."

"You cannot teach what you do not know."

"We can't have a strong economy without a healthy environment."



“The University should tell its story to and through our students.”

“We used to have a gold standard; now we need a green standard.”

“To get the ‘3 R’s,’ we have to have the ‘3 A’s’: Available, Accessible, and Affordable.”

“We need UNC’s leadership – UNC speaks with a big voice.”

“There is natural capital in North Carolina – our people, our land, and our water.”

“Our issue in K-12 is one of supply and demand – we need thousands of new teachers.”

“The University must think big; it must think global . . .it must expand its outreach – higher education as an industry is one of the few where the United States has a favorable balance of trade.”

Detailed Summary compiled by:
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