



The University of North Carolina 2005 Federal Agenda

The 2005 Federal agenda was developed based on suggestions and recommendations received from the constituent campuses and affiliated organizations of the University. Priorities are categorized according to the general themes in the Board of Governors' Long-Range Plan. The activities and initiatives described below will be undertaken, whenever possible, in conjunction with the North Carolina Congressional delegation and the Governor, other sectors of North Carolina society and, where appropriate, the relevant higher education organizations and professional societies.

Higher Education Act Reauthorization

One of the most important Congressional activities facing higher education in 2005 is the reauthorization of the Higher Education Act. This legislation will have a profound impact on the University of North Carolina, its students and their families for years to come. Therefore, the Board of Governors will work to ensure that any changes to existing law serve to strengthen federal programs that will: provide greater access and support for our students; increase the infrastructure and capabilities of our campuses; foster the training, recruitment, and retention of high quality teachers; support the rising generation of graduate students; support and expand international educational opportunities for our students and faculty; and take full advantage of the potential of information technology to innovate and invigorate the teaching and learning process.

Student Financial Aid and Federal Support for University-based Research

All indications are that continued constraints on the Federal budget will place increased pressure on domestic discretionary programs, including support for student financial aid and funding for university-based research.

A more educated workforce is both an engine of the economy and a tool for upward mobility that raises North Carolinians' quality of life. Enrollments at the University of North Carolina are projected to grow by more than 30% over the next decade. Each expansion of enrollment requires a greater amount of aid because a growing number of students come from lower-income families. We all value the contribution these students make to our institutions and the State and share a commitment to keep higher education accessible to them. To do so, we must ensure that the federal contribution to student financial aid, coupled with campus-based aid and other programs, is sufficient to extend access to students from all walks of life.

Federal funds also provide essential support for research and technology transfer activities across the University that form the foundation of North Carolina's 21st century economy. Federally-funded math/science and graduate training initiatives help educate the scientists and researchers needed to

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continue our state's tradition of innovation. A sustained federal commitment to science and engineering, coupled with the expected growth of jobs in these fields, will secure the economic welfare and security of the nation and will attract and retain high-value companies and industries in North Carolina. Further, funds received through Federal sources attract very high knowledge jobs to the State that allow our firms and universities to be globally competitive.

Ensure Access to Higher Education

The Board of Governors has stressed the importance of ensuring access to higher education for all qualified citizens, but especially to traditionally underrepresented segments of North Carolina's population. The Board feels strongly that initiatives that build on the success of the College Foundation of North Carolina (www.CFNC.org) in promoting access to college with a particular focus on low-income, first generation students should be replicated across the country. In the current climate of constrained Federal resources, the University must devote particular energy and attention to ensuring that adequate resources are made available to help make college as affordable as possible for North Carolina students and their families. Toward that end, the University will strive to achieve the following goals:

1. Support efforts to expand and augment funds appropriated for student financial aid, student support services and related programs, including:
 - Increase Pell Grants (\$4,050 current maximum)
 - *grant assistance to low-income undergraduate and graduate students; in 2003-2004, more than 41,100 UNC students received over \$111M in Pell grants. Pell grants have been level-funded for three consecutive years with the effect of limiting the availability of grant aid to the increasing numbers of low income students, and increasing the state share of financial aid for these students. A recent change to the eligibility formula for 2005-06 will further erode the value of Pell Grants and will increase the State's burden in aiding UNC students by an estimated \$3.2 million. Every \$100 increase in the maximum Pell Grant award results in \$2.4 million of new federal dollars for UNC Need Based Grant recipients.*
 - Expand funds for Campus-based Financial Aid Programs
 - Federal Work Study: *assistance provided to campuses to help undergraduate and graduate students pay for college through part-time work; in 2003-2004, almost 5,900 UNC students earned almost \$8M in work-study aid; recent studies indicate that students who receive Work Study funds have a persistence rate nearly four times higher than students not receiving Work-Study*
 - Perkins Loans: *low interest loans provided through campus financial aid offices; priority is given to students with the greatest financial need; in 2003-2004, almost 10,000 UNC students received more than \$23M in Perkins loans*
 - Supplemental Educational Opportunity Grants: *grant assistance to low-income undergraduates; in 2003-2004, more than 8,200 UNC students received more than \$7.1M in SEOG funds*
 - Boost federal support for state-supported financial aid programs
 - Leveraging Educational Assistance Partnership (LEAP) and Special LEAP: *designed to encourage states to fund need-based programs by requiring state to match federal funds;*

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in 2003-2004, almost 4,800 UNC students received over \$3.1M through the NC Student Incentive Grant (NCSIG) program, representing an 85% increase in the number of students served and an 82% increase in funds

- Increase funding for the GEAR-UP and TRIO programs
 - *GEAR-UP: provides comprehensive mentoring, counseling and other services for low-income elementary and secondary school students and their families to help establish pathways to college (ASU, FSU, NCA&T, UNC-OP)*
 - *TRIO: provides education outreach (Talent Search, Upward Bound) and Student Support Services to encourage disadvantaged individuals to enter and complete college (ASU, ECSU, FSU, NCA&T, NCSU, UNCC, UNC-CH, UNCG, UNCP, WCU, WSSU)*
2. Support federal policies that increase opportunities for access to the university for students and their families, including:
- Federal legislation to allow states to decide how to handle residency regarding undocumented students for tuition purposes
 - Provisions in the Higher Education Act reauthorization that: strike an appropriate balance between grants and loans for students; expand support for campus-based student aid programs and student support/college access programs; provide greater flexibility for distance education students to qualify for federal grants and loans, while also protecting against fraud and abuse; and guard against inappropriate expansion of transfer of credit.

Intellectual Capital Formation

The Board of Governors has articulated the importance of excellence in graduate, professional and undergraduate programs to develop an educated citizenry that will enable North Carolina to flourish in an increasingly global and competitive economy. A key element of that goal is to ensure that the facilities and campus environment necessary to support that educational excellence are available. Resources to accomplish the latter will be realized through both the Board's capital plan and Federal sources. Therefore, the University will work to support the following Federal initiatives:

1. Programs to support Historically Black Colleges and Universities and institutions serving under-represented populations, including:
 - Department of Education institutional programs
 - *increase funding for Higher Education Act Title III programs that strengthen academic programs and fundraising capabilities at institutions that serve minority and disadvantaged students*
 - Department of Agriculture 1890 Land Grant Programs
 - *preserve current mechanism for calculating formula funds for research and extension activities at historically black land grant institutions*
 - Department of Agriculture Higher Education Programs
 - *expand funds provided for capacity building (research, teaching and facilities) at historically black land grant institutions*
 - Agency-based minority science and engineering opportunity programs

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-- promote programs at various Federal agencies, including NASA and DoD, which support research and education capacity building at HBCU's and other minority institutions

- Federal agency programs for minority serving institutions
 - promote the creation of programs that provide funds for building and supporting network facilities at HBCU's and other minority institutions, as well as Minority Serving Institution competitive research and infrastructure grant programs*

2. Programs to support infrastructure needs at various institutions, including:

- National Institutes of Health Extramural construction grants
 - support program to construct non-NIH biomedical research facilities*
- Federal/Congressional initiatives supporting the preservation of buildings at historically women's and historically black institutions
 - advocate for Federal programs and/or legislative initiatives that fund these activities, which are applicable to several UNC institutions*
- Department of Education Title III Institutional Development grants
 - increase funds for capacity building at post-secondary institutions that serve minority and disadvantaged students*
- Department of Agriculture formula funds
 - retain research and extension funds that can be used for capacity building purposes, including support for personnel and, in some cases, facilities*
- Public Broadcasting programs
 - maintain Federal infrastructure and facilities grants and programming resources utilized by UNC-TV*

3. Programs to support human capital formation, including:

- GAANN and Javits graduate fellowship programs; change GAANN stipend calculation to merit-based
 - enhance GAANN (Graduate Assistance in Areas of National Need) and Javits programs that support graduate students in a wide range of fields; many outstanding students are unable to accept GAANN Fellowships because they do not qualify for an adequate stipend*
- Undergraduate research programs
 - promote programs at such agencies as the Department of Education, National Science Foundation, National Aeronautics and Space Administration, and National Institutes of Health, that support the enhancement of undergraduate research programs at all institutions, including activities at NCA&T, UNCA, UNCC, UNC-CH, UNCG, UNCP, UNC-OP and WSSU*
- Nurse and nursing educators shortage
 - increase funds that will support efforts to address both the shortage of nurses and the shortage of nursing faculty across the state, including programs at NCA&T, NCCU, UNCC, UNC-CH, UNCG and UNCW*
- Minority-serving institution designation
 - increase UNC Pembroke faculty competitiveness for federal grants through designation as a minority-serving institution*

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4. Support provisions in the Higher Education Act reauthorization that strengthen Title III and other institutional capacity building programs; resist expansion of the definition of eligible institutions without a commensurate increase in available funding.

K-16 Education

The Board of Governors continues to place a great priority on the University's role in proposing and supporting initiatives that serve the needs of the State's public schools. These initiatives include the development of innovative teacher preparation programs, professional development initiatives, and programs, curriculum and materials to ensure the continuous improvement in the academic achievement of North Carolina's students. The University will seek to capitalize on Federal initiatives on behalf of the various campuses engaged in these types of innovative activities, including:

1. Identify and pursue, through strong partnerships with the State Department of Public Instruction and local school districts, opportunities to address concerns in implementing No Child Left Behind K-12 reform programs. Exploit opportunities that support innovative university/K-12 partnerships in teacher recruitment, training and retention and the use of information technologies in education, in both urban and rural areas, including initiatives at the 15 UNC teacher education programs, NCSSM and UNC-OP. Support the utilization of data warehousing technology to facilitate data driven decision making that will enable improved accountability, teacher quality, professional development, articulation and student performance research and decision making.
2. Pursue program funding within the National Science Foundation, the Department of Education and other agencies relating to the improvement of math, science and humanities education and closing of the achievement gap in grades K-12, through the use of broadband connectivity and other methods, including initiatives such as those proposed or underway at ASU, FSU, NCA&T, NCCU, UNCA, UNCC, UNC-CH, UNCG, UNC-OP and UNCP.
3. Support provisions in the Higher Education Act reauthorization that: recognize and support the vital role played by schools of education in the recruitment, training and retention of teachers; develop appropriate measures of the success of those programs; and promote the use of technology in the classroom and as a means of improving student learning.
4. Support legislative initiatives to create or expand loan forgiveness and/or tuition reimbursement programs for undergraduate and graduate students that are designed to increase the supply of teachers, particularly in math and science.

Creation and Transfer of Knowledge

The Board of Governors' Long Range Plan emphasizes the crucial role the University plays in expanding the frontiers of knowledge through scholarship and research, and stimulating economic

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development in North Carolina through research, training of undergraduate and graduate students, technology transfer and public service activities. The Federal government supports two-thirds of the R&D efforts across the University. Therefore, the University will place particular emphasis on maximizing the Federal resources available to fund these various activities, and will maintain a focus on adopting new technologies and nurturing a culture of innovation. To accomplish these goals, the University will focus on the following:

1. Ensuring that the university is engaged extensively in local, regional and national homeland security and disaster preparedness programs. These efforts include:
 - Interacting with first responders, policy makers and decision makers at all levels of government;
 - Developing programmatic and regulatory responses that will ensure a safe environment on our campuses for students, staff and surrounding communities, while striking the appropriate balance between openness and security;
 - Bringing the university's expertise to bear on the homeland and national security issues facing the nation, through multi-institutional, regional and/or state-wide initiatives (e.g., NC Partnership, NC Disaster Institute), regional activities involving individual institutions (e.g., Center for Homeland Security and Disaster Management at UNCC, and individual campus initiatives (e.g., ECU, NCA&T, NCSU, UNC-CH, UNCG and UNCW)
2. Increasing competitive awards for university-based research, scholarship, public service and outreach from various Federal agencies. Federal awards to UNC institutions totaled more than \$664 Million in FY2004. The federal budget deficit and national security priorities will continue to constrain domestic spending for the foreseeable future. Therefore, the University will work to ensure that federal support for university-based research is maintained at levels that will continue to drive the revitalization of the State's economy. Of particular concern is funding for the following agencies:

• National Institutes of Health	\$323.7M awarded in 2003-04
• Department of Education	\$75.2M awarded in 2003-04
• National Science Foundation	\$74.8M awarded in 2003-04
• Department of Defense	\$43.7M awarded in 2003-04
• Department of Agriculture	\$23.6M awarded in 2003-04
• Department of Commerce	\$11.1M awarded in 2003-04
• Department of Energy	\$11.0M awarded in 2003-04

Several other research agencies that provide essential funding for sponsored program initiatives across the University will demand an equal level of vigilance, including:

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| • National Aeronautics and Space Admin. | \$9.5M awarded in 2003-04 |
| • Environmental Protection Agency | \$8.8M awarded in 2003-04 |
| • Department of Transportation | \$3.5M awarded in 2003-04 |

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In addition, the retention of jobs in the state depends, in part, on the quality of life in our various communities which is strengthened through University programs and activities sponsored by the National Endowments for the Arts and Humanities (\$1.1M awarded in 2003-2004). The University will work to ensure that funding for those agencies remains robust.

3. Participating in the development of Federal legislation and policies designed to maintain, promote and encourage university-based research and technology transfer (i.e., Bayh-Dole and other intellectual property policies); and working collaboratively with the recording and media industry to ensure the appropriate use of peer-to-peer applications and compliance with copyright laws. To address the technological, intellectual property and educational issues inherent in emerging file sharing business models, the University endeavors to partner with the media industry to build a media repository that includes music, video and campus-owned digital media content.
4. Capitalizing on innovative initiatives being developed, or currently underway, across the various UNC campuses, including:
 - Agriculture
 - *support the creation of the National Institute for Food and Agriculture for the purpose of ensuring the technological superiority of American agriculture through the conduct of fundamental agricultural research of the highest caliber*
 - Biotechnology/genomics:
 - *promote the development of the NC/DoD Technology Integration and Transition Program -- a national pilot of a public-private partnership to develop and transition emerging technologies to products; creating jobs and economic growth while contributing to the national defense*
 - *work in collaboration with state-wide initiatives to ensure that North Carolina maintains a national leadership role in biotechnology, bioinformatics, proteomics and genomics, including such programs as bioimaging, the Biomanufacturing Consortium and campus-based initiatives (e.g., NCA&T, NCCU, NCSU, UNCA, UNCC, UNC-CH, UNCG, UNCP, UNCW, WCU and WSSU)*
 - Environment and marine sciences:
 - *support continued Federal funding for the Southeast Atlantic Coastal Ocean Observing System (SEA-COOS), the Coastal Ocean Research and Monitoring Program (CORMP), and other, campus-initiated marine science initiatives (e.g., ECU, ECSU, NCSU, UNC-CH and UNCW)*
 - *continue to position North Carolina as the leader in national and international coastal ocean observing science;*
 - *promote legislative and appropriations initiatives designed to implement the recommendations of the U.S. Commission on Ocean Policy*
 - Health and biomedical sciences:
 - *assist campuses in identifying and securing resources to augment or develop research and training programs in the health and biomedical sciences, including programs to improve health awareness (e.g., ASU, ECSU, NCSSM, NCSU, UNC-OP, UNC-TV, UNCA,*

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UNCW, WCU and WSSU) and health disparities research (ECU, NCA&T, UNCC, UNCH, UNCG and UNCP)

- Science, technology, engineering and math:
 - seek continued funding for the Pisgah Astronomical Research, Science and Education Center (PARSEC) and other initiatives to develop highly specialized facilities across the university that are critical to experiential and informal learning which enrich high school and college coursework through out-of-classroom exposure to scientific foundational skills*
 - support campus-based efforts in attracting women and minority students into the science, technology, engineering and mathematics (STEM) fields*
 - support efforts to expand the Renaissance Computing Initiative to include leading edge computational capability, statewide user support and training, research and education engagement and economic development*
 - Public service and economic development:
 - continue to assist the NC Congressional delegation in creating the SouthEast Crescent Authority (SECA) to promote the economic development of Eastern North Carolina and similar regions in other Southeastern states*
 - seek continued funding for the National Program for Citizen-Soldier Support, a multi-campus initiative to improve military family readiness programs*
 - support Federal programs, including the Manufacturing Extension Partnership and Small Business Technology Development Centers, which enable individual campuses to carry out business and economic development initiatives to serve communities and businesses throughout the state*
 - continue efforts to assist military bases in their management of environmental, education and municipal concerns and to ensure long-term sustainability*
 - Transportation:
 - continue efforts to establish the North Carolina Transportation Consortium, a multi-campus initiative designed to address statewide transportation issues, during consideration of Federal transportation reauthorization legislation*
3. Supporting provisions in the Higher Education Act reauthorization that provide adequate and sustained support for graduate students in recognition of the vital role they play in creating and advancing knowledge, and in providing valuable research and learning experiences to undergraduate students.

Internationalization

The Board of Governors' strategic directions include internationalization, which reflects the University's commitment to promote an international perspective throughout the University community to prepare students to become leaders in a multi-ethnic and global society. Toward that end, the University supports initiatives to increase opportunities for international education, collaboration and research, including:

- Promote funding and initiatives that encourage international education and research opportunities for UNC students and faculty:
 - urge increased funding for international education programs through the Department of State, the Department of Education and the Department of Defense;*

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- Provide international educational opportunities to North Carolina's citizens:
 - *identify and pursue funding that will support university-wide efforts to make international educational programs available to the people of North Carolina.*
- Promote increased opportunities for international collaboration:
 - *support Federal initiatives that encourage and facilitate international research, educational and public service collaborations in various fields and disciplines among UNC institutions, NC organizations and international partners*
- Ensure continued opportunities and success for UNC international programs:
 - *assist the Departments of State and Homeland Security in implementing effective and reasonable student/scholar visa requirements, including fee charges; continue to monitor impact on campuses of SEVIS and US VISIT to make sure that appropriate balance between security and opportunity is achieved*
- Promote improvements to Title VI (International Programs) of the Higher Education Act:
 - *strengthen and broaden opportunities to create partnerships between K-12 and higher education to include more international content in the K-12 curriculum; expand opportunities for college and university students and faculty to engage in international education experiences; ensure that oversight of federal programs is clearly defined and appropriate in scope*

Transformation and Change

The Board of Governors continues to support and encourage the constituent institutions to use information technologies as a tool in enabling quality teaching, creating administrative efficiencies, performing effective research and conducting public service. The Board encourages the constituent institutions to use standards based, compatible and interoperable information and communication technologies which support their individual missions and enable interaction and information exchange among the UNC campuses, UNC affiliates and the UNC Office of the President. The Federal government is serving as a catalyst to the many efforts in higher education to harness the power of information technology. Accordingly, the University will seek to take advantage of those various opportunities, including:

- Integrate information technology into the learning environment
 - *support an evolving Nation of Learners through sustainable infrastructures, applications and content creation; support existing and proposed federal programs that provide funds for networking capabilities at minority-serving institutions; participate in collaborations such as the Departments of Commerce and Education initiative to obtain and create knowledge in personalized ways*
- Develop lifelong e-learning resources
 - *work with public school and community colleges to use multi-media resources to provide educational/development programs in a variety of professional fields; increase access to on-line resources developed by the public and private sector (e.g., eArmyU materials and curricula)*
- Apply DTV technology to distance education, instruction and public service

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- develop collaborations with national public television and higher education associations to secure Federal funding for pilot projects; pursue independent opportunities for UNC-TV to maximize the potential of digital broadcasting*
- Develop North Carolina grid computing technology
 - build upon the statewide grid initiatives to create a grid infrastructure that will enable secure access to distributed research, education and administrative resources; secure funding to develop applications that will significantly benefit the NC economy and university/industry research capabilities*
 - support UNC campus efforts in workforce development and education, with a focus on the retraining/reeducation of displaced workers in NC utilizing both digital and analog capabilities of UNC-TV*
- Develop and publicize useful and appropriate accountability measures
 - ensure that any accountability-related provisions in the Higher Education Act reauthorization will provide students, parents, policymakers and the public with information that is useful and appropriate, without being overly burdensome on institutions of higher education*