

Request for Authorization to Establish a Bachelor of Arts Degree in African & African American Studies at East Carolina University

Introduction

East Carolina University notified UNC-GA of its intent to plan a BA in African & African American Studies degree in January 2006. ECU requests authorization to establish the degree (CIP 05.0201) in August 2007.

Program Description

This interdisciplinary program will be housed in the College of Arts & Sciences with course work drawn from anthropology, art, criminal justice, English, geography, history, music, philosophy, political science, and sociology. The program will also include service learning and study abroad opportunities. It will offer students an opportunity to conduct research on Africans and African Americans in the oldest region of the state, which has the largest concentration of African peoples from the seventeenth to the nineteenth century. The program will provide students with the opportunity to develop a broad perspective on human values and ethnic diversity and gain an understanding of the socio-political, religious, and historical evidence related to African and African American peoples both in Africa and the diaspora communities of North America and the Atlantic world. With a comparative focus and broad multidisciplinary emphasis, the program will complement many existing programs that seek to prepare students for careers in a global world of different cultures, political systems, and economic infrastructures. Program graduates will have the skills and training necessary to work in areas such as community development, human relations, diversity consulting, diplomatic service, human resources, and government.

Program Need

The growing diversity of the US workforce requires that specialists in the above noted job areas are adequately prepared to work with people with various cultural backgrounds. Students at ECU have requested such a program for over a decade, and the program will be one component of an effort to increase diversity activities. The program will enable students to learn about Africa, one of the areas of the world that has received inadequate attention in academic programs. The program will recruit more students to the university; it is anticipated that by its fourth year, the program will enroll 32 full-time students.

Resources

Existing faculty will teach their current courses or new ones developed by their departments. Three new courses specifically designed for the program will be funded by the College of Arts & Sciences. No additional resources are required to begin the program.

Recommendation

It is recommended that the Board of Governors approve the request to establish a BA in African and African American Studies degree (CIP 05.0201) at East Carolina University in August 2007.

Request for Authorization to Establish a Bachelor of Science Degree in Pharmaceutical Sciences at North Carolina Central University

Introduction

North Carolina Central University notified UNC-GA of its intent to plan a BS in Pharmaceutical Sciences degree (CIP 26.0102) in November 2006. NCCU requests authorization to establish the degree in August 2007.

Program Description

The Bachelor of Science degree in Pharmaceutical Sciences will develop a skilled workforce for the burgeoning industry of biotechnology through the Biomanufacturing Research Institute & Technology Enterprise (BRITE) Center for Excellence. The mission of the BRITE Center is to establish programs to educate and train students with scientific competency to work in biomanufacturing, pharmaceutical and biotechnology companies. North Carolina Central University has taken steps to establish a new Department of Pharmaceutical Sciences within the BRITE Center. This bachelor's degree program will operate from this academic department, offering initially a bachelor's of science degree and soon thereafter a Master of Science degree. The goal for enrollment is 40-60 undergraduate students for each class. Several new courses related to pharmaceutical sciences have been developed by faculty members, and students may take advantage of programs at other UNC institutions, such as the BTEC facility at North Carolina State University. The bachelor's degree in Pharmaceutical Sciences was developed in conjunction with industry leaders and a broad array of NCCU faculty from the physical sciences and mathematics. It began as a concentration in pharmaceutical sciences within the biology and chemistry departments.

Program Need

North Carolina is poised to become the nation's leader in biotechnology, especially in the areas of biomanufacturing and pharmaceuticals. With the commitment of \$64.5 million by the Golden LEAF Foundation and industry to build a statewide workforce training network for the biomanufacturing and pharmaceutical industries, the State has assured companies already based in North Carolina and those that might be recruited to the state that a supply of well-trained workers will be available. The demand for new employees each year at pharmaceutical companies in North Carolina with undergraduate and graduate degrees is unmet at the present. Graduates from this program can enter the workplace competent to work on laboratory equipment and using techniques that they were trained on during their course of study.

Resources

Current resources are adequate. BRITE is funded by Golden LEAF Foundation with \$20.1 million to construct a new facility with 52,000 gross square feet. Currently, eight tenure track and two non-tenure track faculty members are dedicated solely to this program. In 2006, BRITE spent \$2 million to purchase state-of-the-art equipment.

Recommendation

It is recommended that the Board of Governors approve the NCCU request to establish a BS in Pharmaceutical Sciences effective August 2007.

Request for Authorization to Establish a Master of Science Degree in Pharmaceutical Sciences at North Carolina Central University

Introduction

North Carolina Central University notified UNC-GA of its intent to plan an MS in Pharmaceutical Sciences degree (CIP 26.0102) in November 2006. NCCU requests authorization to establish the degree in August 2007.

Program Description

The MS degree in Pharmaceutical Sciences will develop a skilled workforce for the burgeoning industry of biotechnology through the Biomanufacturing Research Institute & Technology Enterprise (BRITE) Center for Excellence. The mission of the BRITE Center is to establish programs to educate and train students with scientific competency to work in biomanufacturing, pharmaceutical and biotechnology companies. North Carolina Central University has taken steps to establish a new Department of Pharmaceutical Sciences within the BRITE Center. This master's degree program will operate from this academic department. The goal for enrollment is approximately 20 graduate students for each class. Several new courses related to pharmaceutical sciences have been developed by faculty members, and students may take advantage of programs at other UNC institutions, such as the BTEC facility at North Carolina State University. The master's degree in Pharmaceutical Sciences was developed in conjunction with industry leaders and a broad array of NCCU faculty from the physical sciences and mathematics. Students with graduate degrees may become senior research scientists and team leaders in the industry.

Program Need

North Carolina is poised to become the nation's leader in biotechnology, especially in the areas of biomanufacturing and pharmaceuticals. With the commitment of \$64.5 million by the Golden LEAF Foundation and industry to build a statewide workforce training network for the biomanufacturing and pharmaceutical industries, the State has assured companies already based in North Carolina and those that might be recruited to the state that a supply of well-trained workers will be available. The demand for new employees each year at pharmaceutical companies in North Carolina with undergraduate and graduate degrees is unmet at the present. Students graduated from the MS program will be working as senior scientists or group leaders in the Quality Control/Quality Assurance sector or in the R&D areas of pharmaceutical and biotechnology companies.

Resources

Current resources are adequate. BRITE is funded by Golden LEAF Foundation with \$20.1 million to construct a new facility with 52,000 gross square feet. Currently, eight tenure track and two non-tenure track faculty members are dedicated solely to this program. In 2006, BRITE spent \$2 million to purchase state-of-the-art equipment.

Recommendation

It is recommended that the Board of Governors approve the NCCU request to establish an MS in Pharmaceutical Sciences effective August 2007.

Request for Authorization to Establish a Master of Science Degree in Analytics at North Carolina State University

Introduction

North Carolina State University notified UNC-GA of its intent to plan a Master of Science in Analytics degree in November 2006. NCSU requests authorization to establish the MS in Analytics (CIP 11.0802) effective July 2007.

Program Description

The proposed MS in Analytics is an intensive one-year professional degree that will give students a thorough understanding of the concepts, methods, and tools of advanced analytics applied to complex problems using massive amounts of data. It is an interdisciplinary program directed at science, technology, engineering and mathematics (STEM) undergraduates or recent graduates. The program would begin in summer with a 6-hour course in Analytics tools and their use, a prerequisite for all courses that follow in the curriculum. The cohort of admitted students would enroll in 12 designated credit hours in each of the following two semesters for a total of 30 hours with degree completion in May. The program will promote an understanding of advanced analytical concepts and methods such as data quality and integration, data and text mining, forecasting, optimization, business intelligence methods, online analytical processing, data storage, integrated analytics and visualization, and data security.

Program Need

Advanced analytics is a rapidly growing sector of the economy. Two of the leading suppliers of analytics software tools and solutions are located in the Triangle region, and many more of NC's largest employers in banking, finance, pharmaceuticals, information technology, and other fields are deeply engaged in the applications of advanced analytics in their operations. NCSU's ability to produce graduates with strong quantitative and analytic skills applied to important "data intensive" problems will fuel a rapidly growing segment of the modern economy in NC and throughout the US. It is anticipated that the program will enroll 120 full-time students by its fourth year.

Resources

Current facilities and information technology services are adequate. The program received a \$1.9 million gift to develop the curriculum. NCSU has committed a matching amount for operational costs and facilities. Additional software and services have been pledged to support the program. Enrollment expansion funds will be used to hire additional faculty as enrollments grow.

Recommendation

It is recommended that the Board of Governors approve the NCSU request to establish the Master of Science in Analytics degree (CIP 11.0802) effective July 2007.

Request for Authorization to Establish a Master of Arts Degree in Latin American Studies at UNC Charlotte

Introduction

UNC Charlotte notified UNC-GA of its intent to plan a Master of Arts in Latin American Studies degree in March 2006. UNCC requests authorization to establish the MA in Latin American Studies (CIP 05.0107) effective August 2007.

Program Description

The proposed degree is an interdisciplinary program that includes the disciplines of anthropology, architecture, literature and culture, history, and political science. It also intersects with the diaspora focus of the Department of Africana Studies. Entering students will have competency in Spanish and/or Portuguese, and the degree includes additional training and demonstrated competence in these languages. The program will provide students with the skills and knowledge to understand and analyze the societies of Latin America and the Caribbean, regions of key importance in the age of globalization and mass migration. The degree combines cross-listed sections of existing courses in History and Spanish with the addition of several new graduate courses and individual tutorials leading to either an MA thesis or a comprehensive examination.

Program Need

Student expressed interest in the program and enrollment in related areas indicates a strong demand for this degree. The proposed program will be unique in North Carolina and the region. The degree will serve four important career patterns for its graduates: further graduate work in Ph.D. programs and professional areas such as law, business, and public health; employment in the public sector in agencies dealing with Latino populations, development assistance, and international programs; employment in the private sector in companies dealing with Latino populations and/or holding investments in Latin American countries; and advancement of an existing career such as teaching or foreign service. Due to increasing interconnections of the US and Latin American economies as well as the rapid growth of the Latino population in the Charlotte metropolitan area, the new degree program will serve an important need of the University and the region. It is anticipated that 18 full-time and 3 part-time students will be enrolled in the program by its fourth year.

Resources

Because the degree program is interdisciplinary, current faculty, courses, and facilities will serve many of its needs. Funding for any additional needs will be provided by the College of Arts & Sciences and through enrollment expansion funding.

Recommendation

It is recommended that the Board of Governors approve the UNCC request to establish the Master of Arts in Latin American Studies degree (CIP 05.0107) effective August 2007.