

APPENDIX J

Request for Authorization to Establish a Bachelor of Arts Degree in International Studies at North Carolina State University

Introduction

North Carolina State University notified the UNC Office of the President of its intent to plan a Bachelor of Arts in International Studies (CIP: 30.2001) in February 2004. The university requests authorization to establish the program in August 2005.

Program Description

North Carolina State University recognizes its responsibility to educate students within a global context so that they can be effective citizens of the world. The College of Humanities and Social Science is at the forefront of the process of globalizing the campus and curriculum. The proposed International Studies program will be housed in the College of Humanities and Social Sciences; it strengthens the College's international mission. The goal of this International Studies program is to provide students with the tools necessary to contribute positively and effectively to the processes of globalization and to succeed in a complex, global, and changing world. Students majoring in the proposed program will complete courses in the humanities, social sciences, and economics. In addition to the coursework, students will participate in a study abroad program, take part in internships, and complete a capstone course near graduation to attain the intellectual and practical tools necessary to participate effectively in global issues.

Students will also be able to focus on area studies (e.g. Europe, Latin America) and international relations; this approach allows students the opportunity to develop broad and deep knowledge at the same time. Graduates of this program will have an understanding of global theories and studies, economic dimensions of globalization, at least one foreign language, relationships between global relations and local political interests, and various analytical and research tools to aid in understanding global themes. International Studies is critical in educating people who will occupy leadership positions.

As has become apparent, the economic surge of China and the technology growth in India has become relevant to the lives of citizens in North Carolina.

Program Need

The need to respond to the challenges of globalization has been highlighted by international events of the last three years. The U.S. Advisory Commission on Public Diplomacy calls for higher education to prepare graduates who are capable of understanding the opportunities and challenges inherent in increasing globalization. Competition for space in U.S. International Studies programs indicates that students and employers perceive a need for the knowledge and skills delivered by such programs. The Global Studies major at the University of California at Santa Barbara began in 1998 with 33 majors; today there are 700 majors in the programs. NCSU has received over 30 inquiries about the proposed Bachelor of Arts in International Studies. At the end of the fourth year, it is projected that there will be 107 majors in the proposed program.

Resources

The establishment of a Bachelor of Arts in International Studies builds upon the "engaged humanities" theme of the College of Humanities and Social Science. All but one of the courses

in the proposed International Studies degree program is already in existence. Faculty needed for the program are already present. Other university resources are adequate for the proposed program.

Recommendation

It is recommended that the Board of Governors approve the request to establish a Bachelor of Arts degree in International Studies at North Carolina State University, effective August 2005.

Request for Authorization to Establish a Bachelor of Science Degree in Sport Management at North Carolina State University

Introduction

North Carolina State University notified the Office of the President of its intent to plan a Bachelor of Science Degree in Sport Management (31.0504) in February, 2004. The university now requests approval to establish the program in August 2005.

Program Description

The proposed Sport Management degree will provide students with a multi-disciplinary perspective of sport and related industries. Students will study develop a national and international understanding of the social, economic, political, and technological impact of the sport industry. Additionally, the proposed Sport Management program will focus on the theoretical principles of sport management and the application of these principles. An interdisciplinary curriculum with courses in recreation and accounting, combined with an internship requirement, should enable students to develop leadership, communication, evaluation, and problem-solving skills in a “real world” environment. Today's sport managers require a broad perspective that includes management principles combined with an understanding of programs, facilities, and environments where sports occurs.

The proposed program will be housed in the Department of Parks, Recreation and Tourism Management (PRTM). Students have increasingly elected to declare sport management as a concentration with approximately 160 of the 350 PRTM majors selecting this concentration. Moreover, the demands of increasing enrollment and the addition of the Professional Golf Management (PGM) program within the PRTM department resulted in the addition of two new faculty members with expertise in Sport Management in the past year. A new major will also enhance the department's ability to compete with peer institutions that offer Sport Management and to attract the best and brightest students to NC State.

The Sport Management curriculum is composed of 27 core hours, eighteen hours from PRTM core, and three hours in accounting.

Program Need

Sport is a major sector of the U.S. economy, and the proliferation of sport in our society has reached unprecedented proportions. In 1995, revenues for sport (including professional, intercollegiate, and recreational sport) exceeded 100 billion dollars, making sports one of the

largest industries in the United States. The growth of the sport industry produces many employment opportunities in programming, planning, marketing, media relations, athletic administration, and other sport enterprises.

Student interest in sport management as a concentration has increased significantly. Undergraduate enrollments have grown from 285 to 513—180 percent. Approximately 60 percent of students surveyed in the department identified sport management as a desired major. In response to this trend, colleges and universities across the United States and Canada have identified sport management as an area of academic study. Current estimates by the North American Society for Sport Management (NASSM) and the National Association for Sport and Physical Education (NASPE) indicate there are now over 200 sport management programs in existence. By year four, N C State University projects 84 majors.

Resources

Existing programs in the departments of Parks, Recreation and Tourism and Accounting will contribute course offerings for the proposed degree program. Three PRTM faculty already teach and conduct research in sport management. The proposed BS in Sport Management will require no new resources. Facilities are already in existence for the degree program; it will be located in the Biltmore Hall at N. C. State University. The university has stated that it commits to three new faculty positions over the next three years to accommodate the growth of the program.

Recommendation

It is recommended that the Board of Governors approve North Carolina State University's request to establish the Bachelor of Science in Sport Management, effective August 2005.

Request for Authorization to Establish a Bachelor of Science in Biotechnology at Fayetteville State University

Introduction

The UNC Office of the President was notified of the intent to plan a Bachelor of Science program in Biotechnology (41.0101) by Fayetteville State University on October 23, 2003.

Program Description

The main objective of the proposed Bachelor of Science in Biotechnology program is to prepare students with a broad-based curriculum in the natural sciences and a comprehensive program of study in biotechnology. The proposed program will be housed in the Department of Natural Sciences and requires the completion of 124 credit hours. The Department of Natural Sciences at Fayetteville State University now offers a minor in Biotechnology to Biology and Chemistry Majors. A strong liberal arts foundation is required for the proposed biotechnology program with 45 credits based in the University College. Additionally, there are 30 hours of required biotechnology courses, 21 hours of elective biotechnology-support courses (e.g. biochemistry, toxicology, genomics, bioinformatics), 16 hours of chemistry, 8 hours of physics, and 4 hours of mathematics. Moreover, the proposed program will prepare students to pursue careers in the fast growing biotechnology industry and for post-baccalaureate study. Overall, the program is structured so that students gain interdisciplinary competence in the sciences supporting

biotechnology. Upon completion of the proposed program, students will be prepared to work in fields such as pharmaceutical, biomanufacturing, agriculture, environmental, and therapeutic biotechnology.

Program Need

The biotechnology industry is projected to grow in North Carolina by 10 to 15 percent annually. With this growth will be the development of new biotechnology opportunities and new jobs. *North Carolina's Windows on the Workplace* (2003) report emphasizes the critical need for a qualified workforce in biotechnology in our state. The proposed biotechnology degree program will provide an opportunity for FSU to contribute to the reduction of the shortage of qualified workers. The proposed program also supports FSU's mission to offer quality education and specialized professional training for students. Moreover, the proposed BS in Biotechnology will assist the university in achieving goals outlined in the 2004-2009 Long-Range Plan. Further, the proposed biotechnology program will enhance FSU's regional focus by allowing it to partner with community colleges and contribute to the economic development efforts of the state and region. A needs survey conducted at FSU revealed a favorable reception of the proposed biotechnology program among students. FSU anticipates 100 majors, after the fourth year of the program. Articulation agreements with community colleges in the region will also result in a ready pool of students for recruitment.

Resources

FSU has been preparing for the introduction of this proposed biotechnology program for several years. During this time, the university has been awarded nearly 2 million dollars in grant funding through the North Carolina Biotechnology Center's Historically Minority Universities Bioscience/Biotechnology Initiative and from other sources. These funds have been invested in the development of FSU's bioscience infrastructure and curriculum to support the proposed degree. Additionally, the university has identified additional funds to continue to strengthen the proposed biotechnology program. It is expected that the biotechnology degree will be highly productive, and new resources will come from enrollment growth.

Recommendation

It is recommended that the Board of Governors approve the request to establish a Bachelors of Science degree in Biotechnology effective August 2005.

Request for Authorization to Establish a Bachelor of Science in Forensic Science at Fayetteville State University

Introduction

The UNC Office of the President was notified of the intent to plan a Bachelor of Science program in Forensic Science (43.0106) at Fayetteville State University on January 13, 2004. FSU seeks approval for the proposed program for January 2006.

Program Description

The Bachelor of Science in Forensic Science is an interdisciplinary program designed to produce technically skilled and knowledgeable graduates who will have a basic foundation in scientific and laboratory problem solving skills necessary for a modern crime laboratory. The proposed

bachelors program in forensic science will be housed in the Department of Natural Sciences, and concentrations in forensic biology and chemistry will be offered. Several biology or chemistry courses are required for the respective concentrations. Students will take coursework in areas such as DNA analysis, molecular and cellular biology, analytical chemistry, and toxicology. The Department of Criminal Justice will furnish courses on the fundamentals of the legal system and will assist students to become proficient expert witnesses in legal proceedings. The overall program goal is to equip students with knowledge and skills needed to perform laboratory techniques on biological and physical evidence, prepare reports documenting findings, and to provide expert witness testimony on their findings. Graduates will be prepared to function as forensic scientists and specialist, or for advanced study in forensic science, biomedical research, medicine, and law.

Program Need

The demand for trained forensic scientists nationwide is increasing as a result of the growing use of forensic analyses in criminal cases. Data from the U.S. Department of Labor, Bureau of Labor Statistics indicate that there is an anticipated 13 percent increase in the need for forensic scientists by the year 2010. To meet this expected need, there should be an increase in the current number of forensic scientists. Currently, there are about 20 colleges and universities that offer a bachelor's degree in some area of forensic specialization such as criminology, pathology, odontology, or toxicology. Fewer colleges or universities offer a bachelor's degree in forensic science. In the UNC system, ASU and UNCP offer concentrations in forensics for chemistry majors. Thus, the proposed degree will be a fairly unique opportunity to prepare forensic biologists and chemists for the region, State of North Carolina, and for the nation.

Resources

The proposed program received a grant of \$210,000 over three years from OP's focus growth funds to plan this program. The grant has been used for consultant fees, faculty recruitment, faculty development, and for the purchase of equipment and supplies for the proposed degree program. The Science Annex is being equipped to provide additional laboratories, classrooms, offices, and lab-support areas to meet the demand of the forensic science majors. The campus has committed to hiring adequate faculty for this program. Additionally resources will be obtained from enrollment growth funds.

Recommendation

It is recommended that the Board of Governors approve the request to establish a Bachelor of Science in Forensic Sciences at Fayetteville State University effective January 2006.

Request for Authorization to Establish a Bachelor of Science in Management Information Systems at Fayetteville State University

Introduction

The UNC Office of the President was notified of the intent to plan a Bachelor of Science program in Management Information Systems (52.1201) by Fayetteville State University on March 11, 2004. The University requests authorization to establish the program in August 2005

Program Description

The main objective of the proposed management information systems program is to provide a comprehensive knowledge of information system theory and information technology practices. The Department of Management at FSU currently offers a concentration in MIS which consists of five courses. The proposed management information systems program will prepare students further in issues related to planning, managing, implementing, and evaluating technology solutions. Moreover, the proposed program will prepare students to pursue careers in the fast growing information technology global market. The BS in MIS requires 122 hours of coursework. This includes 61 hours of University College core courses and non-business courses, 31 hours of business courses, and 30 hours of MIS courses. The proposed program is also designed to enhance students' team work experiences through applications of project management techniques, group dynamics theory, and collaborative IT tools. Graduates will demonstrate improved analytical and business problem solving skills as they pursue careers in areas such as business analysts, database application programmers, system analyst, and IT trainers.

Program Need

The proposed program directly relates to FSU's mission to offer quality education and specialized professional training for students. Moreover, the proposed BS in Management Information Systems will assist the university in achieving goals outlined in the 2004-2009 Long-Range Plan. The enrollment for the current MIS concentration has been increasing since its introduction four years ago. Since the fall 2000, more than 282 students have declared concentrations in MIS. According to information from the US Department of Commerce, the job market looks promising for workers who will be producers or intensive users of information technology. The US Department of Labor projects that there will be an 18.5 percent increase in the information technology job sector by 2012. Further, the implementation of the proposed degree in management information systems will help FSU reach its goal of increasing student enrollment. In addition, the Cumberland County Business Council is actively recruiting technology firms to the area; the proposed program will help prepare high quality workers to attract appropriate businesses.

Resources

Currently, including the chairman of the department, there are four MIS faculty members in the Department of Management at FSU. The proposed MIS major builds on the existing concentration and offers an additional five required courses and seven elective MIS courses. A new MIS faculty member has been hired who will join the FSU faculty in fall 2005. As the program grows, new faculty will be needed to meet the projected increase in enrollment. It is expected that the management information systems degree will be highly productive, and resources will come from enrollment growth.

Recommendation

It is recommended that the Board of Governors approve the request from Fayetteville State University to establish a Bachelor of Science degree in Management Information Systems, effective August 2005.