

## **Request for Authorization to Establish a Bachelor of Science in Fashion and Textile Design at North Carolina State University**

North Carolina State University requests authorization to establish a B.S. in Fashion and Textile Design degree program (CIP 14.2801).

### **Program Description**

At NCSU, instruction in fashion and textile design has been occurring within two programs: a Textile Design concentration in the B.S. in Textile Technology program, and a Fashion Development and Product Management concentration in the B.S. in Fashion and Textile Management program. NC State University is now requesting authorization to establish a separate B.S. in Fashion and Textile Design degree program, which will have two concentrations: Textile Design, and Fashion Design. As part of this proposal, the current Textile Design concentration in the B.S. in Textile Technology program will be eliminated, and enrollment in the current Fashion Development and Product Management concentration in the B.S. in Fashion and Textile Management program will be reduced via enrollment management measures. These changes will allow the new B.S. in Fashion and Textile Design degree program to offer students a modern interdisciplinary fashion and textile education that combines “art and science” in the discussion of the newest textile fibers and processes, with no total increase in enrollment at NCSU. This proposed Fashion and Textile Design baccalaureate program will be the only one of its kind in the United States.

### **Relevance to Institutional Mission and Strategic Plan**

North Carolina State University has the only College of Textiles in the state and the largest College of Textiles in the United States. This program advances NCSU’s institutional mission to provide innovative and state-of-the-art educational programs that support its land grant mission for the 21st century.

### **Highlights from UNC-GA Data Template**

No other public or private college or university in North Carolina offers a bachelor’s degree in Fashion and Textile Design. In the past three years, NC State University has established nine masters and two baccalaureate programs, and has discontinued eighteen masters and one baccalaureate program.

### **Outcome of Consultation with Disciplinary Panels**

The panel included one faculty member from ASU and one from ECU, in addition to the NCSU presenters. Panel members discussed the structure of the curriculum and some of the coursework in the proposed program. Overall discussion was positive, with consensus on the desirability of offering this degree program.

### **Student Demand**

As stated earlier, the proposed program is not intended to increase the enrollment at NCSU, but rather to draw students from existing programs to this new program. The existing Textile Design concentration in the B.S. in Textile Technology program typically admits 20 students per year, while historically the Fashion Development and Product Management concentration in the B.S. in Fashion and Textile Management program enrolls some 50 students per year. Because the proposed B.S. in Fashion and Textile Design program plan is to have 32 students admitted each year (16 Fashion Design, 16 Textile Design), it may be seen that current student demand already exceeds planned enrollment levels in the new degree program. NCSU projects full enrollment of the program in its fourth year will be 64 upper division students.

### **Opportunities for Graduates of the Program**

The College of Textiles is successful in placing graduates in first-tier industry positions with companies such as Ralph Lauren, Patagonia, Abercrombie and Fitch, Kohl's, Belk's, Macy's, Cotton Incorporated, and others. This fact, in addition to the 57% enrollment increase experienced by the College since 2004 (with the Fashion and Textile Management program accounting for the majority of that growth) demonstrates the societal need and employment opportunities for graduates of fashion and textile design and management programs.

### **Resource Implications**

**Resource needs:** No new facilities, library resources, equipment, or information technology services are needed to implement the proposed degree program. NCSU states the campus is prepared to implement and support the program from existing resources.

**Resources allocated:** The Department of Textile and Apparel Technology within the College of Textiles will administer the proposed program. Two faculty positions have been reallocated from campus resources to support the proposed program, and new courses for the program have already been developed in-load by faculty teaching in the program.

**Funding Formula Calculation:** As discussed in the Program Description section above, because NCSU is eliminating/modifying two existing degree program concentrations as part of this proposal, the proposed program will be implemented with no total enrollment increase at NCSU, and therefore no enrollment change funding expense to the state.

### **Recommendation**

It is recommended that the Board of Governors approve North Carolina State University's request to establish a B.S. in Fashion and Textile Design degree program (CIP 14.2801).

## General Information Template for Academic Program Review

### ***Degree Area and Level:***

B.S. Fashion and Textile Design at North Carolina State University (CIP 14.2801)

### ***Addressing UNC Tomorrow:***

This proposed program would address several Recommendations within the UNC Tomorrow Report including the components to enhance Our Global Readiness (Recommendation 4.1), Our Citizens and Their Future: Access to Higher Education (Recommendation 4.2), and Our Communities and Their Economic Transformation (Recommendation 4.4).

### ***Role of Program in Relation to State and Regional Needs:***

According to the proposal, “Establishing a Fashion and Textile Design program at NC State would be forward-thinking in terms of the economic advantages it promises for the State of North Carolina. According to studies of the North Carolina textile complex conducted for the North Carolina Department of Commerce, there are currently in excess of 2200+ textile complex locations in the state providing in excess of a \$39 billion dollar (wholesale sales) economic impact on the state of North Carolina. It is critical for NC State to educate future generations of fashion and textile design industry professionals who have the potential not only to work in the state, but to generate work in the state.”

### ***US Labor Department Analysis:***

- *Summary* – No narrative applicable to this degree program.

### ***Availability of Program Statewide (Enrollment and Degrees Awarded in Last 3 Years):***

- *Public universities* – N/A
- *Private universities* – N/A

### ***NCSU Campus enrollment and degrees awarded in similar programs at the Bachelors level:***

(Based on two CIP digits – 14 CIP is the summary group for Engineering - subcategory Textile Sciences and Engineering - under which Fashion and Textile Design is listed as a program.)

Upper Division Enrollment			Academic Year						
			Fall 08	Spr 09	Fall 09	Spr 10	Fall 10	Spr 11	Fall 11
NCSU	Engineering, General	BS	170	228	15	14	7	11	7
	Aerospace, Aeronautical and Astronautical/Space Engineering	BS	197	215	196	217	197	211	176
	Agricultural Engineering	BS	66	83	104	150	170	187	165
	Bioengineering and Biomedical Engineering	BS	102	118	90	111	117	125	129
	Chemical Engineering	BS	222	255	263	308	315	355	356
	Civil Engineering, General	BS	441	459	456	441	427	384	371
	Computer Engineering, General	BS	204	209	217	274	291	258	263
	Electrical and Electronics Engineering	BS	307	301	295	274	270	310	321
	Environmental/Environmental Health Engineering	BS	43	52	60	61	63	66	62
	Materials Engineering	BS	42	46	38	42	43	48	56
	Mechanical Engineering	BS	580	609	573	550	566	579	617
	Nuclear Engineering	BS	78	81	83	87	96	119	113
	Textile Sciences and Engineering	BS	440	467	483	488	484	480	474
	Construction Engineering	BS	115	105	93	85	75	70	55
	Industrial Engineering	BS	100	103	109	115	121	123	112

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Number of Degrees Awarded			Academic Year		
			2008-2009	2009-2010	2010-2011
NCSU	Engineering, General	BS	6	10	8
	Aerospace, Aeronautical and Astronautical/Space Engineering	BS	61	60	60
	Agricultural Engineering	BS	19	28	40
	Bioengineering and Biomedical Engineering	BS	44	40	44
	Chemical Engineering	BS	78	91	101
	Civil Engineering, General	BS	131	172	174
	Computer Engineering, General	BS	95	80	87
	Electrical and Electronics Engineering	BS	146	130	149
	Environmental/Environmental Health Engineering	BS	8	18	20
	Materials Engineering	BS	16	10	18
	Mechanical Engineering	BS	183	208	183
	Nuclear Engineering	BS	24	19	21
	Textile Sciences and Engineering	BS	155	191	202
	Construction Engineering	BS	45	33	39
	Industrial Engineering	BS	41	36	48

***Campus Average of upper division enrollment and degrees awarded per degree program in this area at the Bachelors level over the last 3 Academic Years, Fall 2008-Fall 2011:***

*(Based on two CIP digits – 14 CIP is the summary group for Engineering - subcategory Textile Sciences and Engineering - under which Fashion and Textile Design is listed as a program.)*

Campus Average			
	Number of Active Programs	Upper Division Enrollment per Semester	Degrees Awarded per Year
ECU	1	102	23
NCA&T	11	57	19
NCSU	15	215	75
UNCA	1	17	5
UNCC	5	172	50
WCU	1	21	7
Campus Average:		97	30

***NCSU Degree Programs added in the past three years:***

- Bachelor
  - BS Soil and Land Development (04/09/2010)
  - BS Genetics (11/13/2009)
- Master
  - Master of Climate Change and Society (10/07/2011)
  - MS Electric Power Systems Engineering (10/07/2011)
  - Master of Biomanufacturing (09/09/2011)
  - MS Biomanufacturing (09/09/2011)
  - MA Foreign Language and Literature (02/11/2011)
  - Master of Environmental Engineering (04/09/2010)
  - MS Environmental Engineering (04/09/2010)

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- Master Geospatial Information Science and Technology (02/12/2010)
- Master of Environmental Assessment (02/12/2010)
- *Doctoral*
  - N/A

### ***NCSU Degree Programs discontinued in past three years:***

- *Bachelor*
  - BS Health Occupations Education (03/20/2009)
- *Master*
  - MEd Middle Grades (02/11/2011)
  - MS Middle Grades (02/11/2011)
  - MEd Curriculum and Instruction, English Education (02/11/2011)
  - MS Curriculum and Instruction, English Education (02/11/2011)
  - MEd Curriculum and Instruction, Reading (02/11/2011)
  - MS Curriculum and Instruction, Reading (02/11/2011)
  - MEd Curriculum and Instruction, Social Studies Education (02/11/2011)
  - MS Curriculum and Instruction, Social Studies Education (02/11/2011)
  - MA French Language and Literature (02/11/2011)
  - MA Spanish Language and Literature (02/11/2011)
  - Master Chemistry (08/13/2010)
  - MS Agricultural and Resource Economics (03/20/2009)
  - MEd in Special Education, Behavior Disorders (03/20/2009)
  - MS Behaviorally/Emotionally Handicapped (03/20/2009)
  - MEd Mentally Handicapped (03/20/2009)
  - MS Mentally Handicapped (03/20/2009)
  - MEd Specific Learning Disabilities (03/20/2009)
  - MS Specific Learning Disabilities (03/20/2009)
- *Doctoral*
  - N/A