

**BETHUNE-COOKMAN COLLEGE
UNIVERSITY OF SOUTH FLORIDA**

**Dual-Degree Program
The Bachelor's Degree at Bethune-Cookman College
and
The Bachelor of Science Degree in Engineering at the
University of South Florida**

2006-2007 USF Articulated Undergraduate Degree Requirements

Title of Agreement	Bethune-Cookman College /University of South Florida Dual Degree Program Agreement
Major College Degree	Chemical, Civil, Electrical, Mechanical, and Industrial Engineering College of Engineering Bachelor of Science
Options/Tracks Limited Access	No

Contacts – Bethune-Cookman College

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Contacts – University of South Florida

Dr. Rafael Perez
Associate Dean for Academics
College of Engineering

Ms. Kate Johnson
Director of Admission & Advising
College of Engineering

INTRODUCTION

This agreement establishes a cooperative education program between Bethune-Cookman College (BCC) and the University of South Florida (USF), College of Engineering. The resources of each institution are utilized to form a program of study to increase the number of minority engineers and scientists. In the Dual Degree Program an undergraduate student attends BCC for three academic years and the College of Engineering at USF for two academic years. Upon completion of the academic requirements of both

institutions, the student receives a Bachelor's Degree in Mathematics from BCC and a Bachelor's of Science in Engineering in one of the following majors at USF: Chemical, Civil, Electrical, Mechanical or Industrial Engineering.

OPPORTUNITIES at USF

This program provides BCC students the opportunity to obtain a degree in engineering at a sister FGLSAMP/GEMS institution. The USF Multicultural Engineering Program was developed to increase the number of underrepresented minorities and women graduating in engineering. Programs and resources are available to provide each student with individualized academic support and mentorship in preparation for entering the engineering profession, preparation for the examinations that lead to professional registration (licensure), or graduate programs in engineering. The FGLSAMP program, the Research Experiences for Undergraduates Program (REU), the combined accelerated BS/MS program (which we call the Five-Year Program), and the Bridge to the Doctorate Program, are instrumental in encouraging underrepresented students to seek advanced degrees and to providing intensive preparation for those who wish to do so. All BCC students will be asked to consider joining the REU Program to provide them with an opportunity to conduct research with a faculty member and his/her graduate students. Masters programs in the College of Engineering at USF include: Biomedical Engineering, Chemical Engineering, Computer Science and Engineering, Civil Engineering, Environmental Engineering, Electrical Engineering, Industrial Engineering and Mechanical Engineering, and Engineering Management. PhD Programs are available in all academic departments.

A. Agreement Provisions

1. Admission to the Dual Degree Program

Students must meet the following requirements.

- a. BCC approval;
- b. In good standing at BCC,
- c. Must have a grade point average which indicate that the student can satisfactorily complete the degree requirements at USF, and
- d. Expressed desire to major in Mathematics / pre-engineering at BCC.

2. Admission to USF

The following are BCC requirements that must be fulfilled before the student is eligible to transfer to the University of South Florida:

- a. Followed the program of study in 1 (d);
- b. Have a minimum cumulative grade point average of 2.5 (a minimum 2.3 GPA in math);
- c. Completed a minimum of 56 semester hours or a maximum of 103 semester hours (If the student has accumulated more than 103 semester hours, a letter of recommendation must be obtained by the director from the designated office at BCC and the advisor at USF;
- d. Completed the following course credits included within the 56 to 103 semester hours accumulated at BCC:

<u>Course</u>	<u>Semester Credits</u>
English Composition	6
Speech	3
Historical Foundations	6
Western Civilization I and II OR	
Western Humanities I and II OR	
U.S. History: 1492-1877 and U.S. History: 1877-present	
Cultural Foundations	3
Art History I OR	
Art History II OR	
Music Appreciation OR	
Theater (survey) OR	
Cinema (survey) OR	
World Religions OR	
Introduction to Philosophy OR	
World Literature I OR	
World Literature II OR	
Social Foundations	3
Economics I OR	
Economics II	
General Psychology OR	
General Sociology OR	
General Anthropology	

Science	
Biological Science	4
Physics (calculus based)	8
Chemistry	8
General Mathematics	
Calculus	12
Differential Equations	3
	TOTAL
	56

3. Immunization

Students who matriculate at a state university are required to provide proof of immunization against Rubeola (measles) and Rubella (German measles) prior to enrollment.

4. Financial Aid from the College of Engineering

When the student is admitted to USF, to the extent permissible under applicable law including court orders, if available, scholarship funds will be provided by the College of Engineering if the student qualifies; the student must apply and the selection is by a committee. The College of Engineering financial support will continue as long as the student maintains at least a 2.5 GPA at USF, and the scholarship is available. In addition, the College of Engineering agrees to work with local industry to provide opportunities for co-op placement in the discipline of study.

5. Academic Advising/Counseling .

Academic advising/counseling will be provided by a representative from BCC and the College of Engineering at USF. While in the program at USF, the student will be advised and counseled by the College of Engineering representative and one representative from each of the participating departments of each institution. The BCC and the College of Engineering advisor/counselor will provide the following:

1. Coordinate the selection of courses at both BCC and USF;
2. Arrange tutorial service when required;
3. Monitor student progress-attendance, grades, and study habits;
4. Aid in the development of the Financial Aid Package for each qualified student;
5. Assist the students in becoming familiar with the institution; and
6. Counsel students on non-academic problems when they impede academic progress

6. BCC Obligations

BCC agrees to the following:

1. Include the Dual Degree program in the BCC catalog (both a description and curricula);
2. Actively seek students to participate in the program;
3. Provide a counselor/advisor for the program;
4. Maintain liaison with the designated College of Engineering representative; and
5. Make literature available on the Dual Degree Program.

7. USF Obligations

The College of Engineering agrees to the following:

1. Determine the number of students that will participate in the program;
2. Make reference to the availability of a Dual Degree Program with BCC in the USF catalog;
3. Actively help BCC seek students to participate in the program;
4. Provide a counselor/advisor for the program;
5. Maintain liaison with the designated BCC representative;
6. Provide financial aid according to the financial aid plan for qualified students;
7. Assist in locating industries to provide internships or co-op experiences; and
8. Provide academic assistance.

8. Resources

Resources for implementation of the Agreement may come from either party, depending upon budgetary availability. No implementation of any portion of the Agreement, or commencement of any specific projects, may be initiated prior to the written assurance of such budgetary availability to the other party hereto. To the extent any external funding is required by the University in order to implement this Agreement and funding for such purpose is not appropriated to the University by the Legislature of the State of Florida or is not otherwise available to the University, the University shall thenceforth have no further financial obligations hereunder. In the event the University does not have sufficient legislative appropriations to carry out any obligations under this Agreement, it shall immediately notify Bethune-Cookman College of such fact and of such portions of this Agreement that may be deemed terminated as a result of such failure of appropriations.

B. Agreement Updates

This agreement is subject to change by legislative action, applicable court orders, the Department of Education, Bethune-Cookman College, University of South Florida, or external accrediting agencies. This agreement will be reviewed by both parties on a yearly basis to ensure the currency of this document.

C. Term of This Agreement:

1. This Agreement shall take effect on July 1, 2006, and shall terminate on June 30, 2007. It may be automatically renewed for additional one (1) year periods unless either party provides the other notice no later than sixty (60) days prior to the expiration of the preceding term that it wishes to terminate this Agreement. If either party fails to follow the terms and conditions of the Agreement as set forth herein, the other party has the right to terminate this Agreement immediately upon written notice to the other.
2. Notices with respect to rights and obligations of each party hereto shall be provided as follows:

University of South Florida

Dr. Rafael Perez, Associate Dean for Academics, College of Engineering
Dr. Sunil Saigal, Interim Dean, College of Engineering
Dr. Renu Khator, Provost

Bethune-Cookman College


Dr. Herbert Thompson, Dean, School of Science, Engineering and Mathematics
Dr. William D. Lindsey, Vice President for Academic Affairs

- 3. Modifications, additions, or deletions from this Agreement must be in writing and signed by both parties. The designated representatives for the University and College are listed under "Approvals."**


D. Approvals

UNIVERSITY of SOUTH FLORIDA
Board of Trustees, a public body corporate,
for its College of Engineering Tampa, Florida


Dr. Judy Genshaft President

Date


Dr. Renu Khator
Provost


9/2/06
Date


Dr. W. Robert Sullins
Dean of Undergraduate Studies

Date


Dr. Kathleen Moore
Associate Vice President, Educational Outreach

8/25/06
Date


Dr. Sunil Saigal
Interim Dean of Engineering

8/16/00
Date



BETHUNE-COOKMAN COLLEGE
Daytona Beach, Florida

Dr. Trudie Kibbe Reed President

Date

Dr. William D. Lindsey
Vice President for Academic Affairs

Date

Dr. Herbert Thompson
Dean, School of Science, Engineering and
Mathematics

Date