EXECUTIVE SUMMARY

BACHELOR OF APPLIED SCIENCE
with a major in
SUPPLY CHAIN MANAGEMENT

Submitted to:
The Florida Department of Education

By:
MIAMI DADE COLLEGE
School of Business

June 24, 2013

Revisions submitted:
September 16, 2013
THE FLORIDA COLLEGE SYSTEM
BACCALAUREATE PROPOSAL APPROVAL APPLICATION

COVER SHEET
INSTITUTION: Miami Dade College

BACCALAUREATE DEGREE CONTACTS:
PRIMARY
Name: Dr. Mollie F. DeHart
Title: District Director, Academic Programs
Phone: 305.237.3731
Email: mdehart@mdc.edu

SECONDARY
Name: Ms. Thania Rios
Title: Associate Dean, School of Business
Phone: 305.237.2033
Email: trios@mdc.edu

DEGREE TYPE (BS, BAS, other): BAS
DEGREE TITLE: Supply Chain Management
TOTAL_NUMBER_OF_CREDIT_HOURS: 120
PROPOSED_DEGREE_SIX-DIGIT_CIP_CODE (And track, if appropriate): 52.0203 (Track 2)
PLANNED_PROGRAM_IMPLEMENTATION_DATE: Fall 2014 (2014-1)

PROGRAM DESCRIPTION/EMPLOYMENT OPTIONS FOR GRADUATES:
Miami Dade College (MDC) proposed a Bachelor of Applied Science with a major in Supply Chain Management (BAS-SCM) degree program to serve students in Workforce Region 23 and primarily Miami-Dade County. The proposed 120 credit hour curriculum was developed on information and advice from faculty, industry professionals, advisory committees, and professional organizational data.

Supply chain management is an interdisciplinary field that emphasizes cross-functional integration of diverse business functions, facilities, and activities and seeks to manage those activities to enhance a company’s competitive advantage.

The proposed BAS-SCM degree is designed to provide knowledge of the supply chain while exploring the risks, operations, logistics, economics, regulatory issues, change management, forecasting, resource allocation, production planning, inventory management, customer delivery, after-sales support and service and other functions basic to business.

Graduates of the proposed BAS-SCM can find employment in a broad spectrum of occupational specialities within the supply chain, logistics and transportation fields such as specialists, analysts, and supervisors in these areas: logistics, warehousing management, transportation management, operations and production management, purchasing, inventory control and customer service management; as well as continue their formal education by pursuing graduate degrees in business administration (MBA) with specialty tracks in supply chain management, logistics and transportation. Due to globalization of business, many job opportunities are available in developing and maintaining the international supply chain and supply chain management plays a central role in the global economy.

BOARD OF TRUSTEES APPROVAL DATE: June 18, 2013

PRESIDENT’S SIGNATURE AND DATE: ___________________________ Date: September 16, 2013
EXECUTIVE SUMMARY

Institution: Miami Dade College School of Business
Degree Type: Bachelor of Applied Science
Degree Title: Supply Chain Management

INTRODUCTION

Miami Dade College (MDC) School of Business proposes a Bachelor of Applied Science with a major in Supply Chain Management (BAS-SCM). This proposed degree program serves a critical need in preparing students to enter the workforce of this dynamic and growing industry. The proposed BAS-SCM consists of 120 credit hours, including 36 credits of General Education, and will be offered by MDC to serve students in Workforce Region 23 and primarily Miami-Dade County.

The proposed BAS-SCM program is designed to prepare students to immediately enter the workforce with the occupational titles of Aircraft Cargo Handling Supervisors, Business Operations Specialists, Logisticians, General and Operations Managers, Purchasing Managers, Operations Research Analysts, Management Analysts, and Transportation, Storage, and Distribution Managers. According to Workforce One, a leader in employment solutions in the state of Florida, the economic impact that this industry has on the market place is exponential as indicated in a Workforce One Spotlight which referenced a July 2009 Florida Chamber of Commerce study on the Trade and Logistics industry:

“...the Trade and Logistics industry indicates a potential of 143,000 jobs, $21.5 billion in business sales, $7.9 billion in personal income and $723 million in tax revenues over the next 10 years in Florida. The study illustrates that this outcome would transform Florida's economy, adding world class strengths in trade, logistics and advanced manufacturing to the state’s traditional focus in agriculture, tourism, and construction.”

In May 2012, the Beacon Council (Miami-Dade County's official economic development partnership), in support of the One Community One Goal project, also identified Trade and Logistics as one of seven targeted industries for exponential economic growth in Miami-Dade County and identified a critical void of trained professionals in Miami-Dade County for this field.

A. PLANNING PROCESS

The College began exploring the development of a baccalaureate degree in January 2012 and a planning committee comprised of interdisciplinary administrators worked with MDC faculty and local industry members to assess the need for a workforce in the field of supply chain management and logistics (Appendices A, Pg. 33 & B, Pg. 34). The committee conducted student and industry surveys (Appendices C, Pg. 43 & D, Pg. 47); examined national, state, and local workforce data; analyzed the region’s academic logistics and supply chain management programs; reviewed existing Florida College System supply chain management baccalaureate degrees; discussed the proposed BAS-SCM with Workforce Region 23 state and private universities (Appendix E, Pg. 51); evaluated available MDC resources, facilities, and equipment; and elicited recommendations from external stakeholders, including local industry leaders and state and local government (Appendices D, Pg. 47; F, Pg. 52; I, Pg. 68). Based on the findings, the proposed program was approved by the Board of Trustees and submitted to the Florida Department of Education (Appendix K, Pg. 88). To date, MDC has received 14 letters of support from local industry.

leaders, workforce development agencies and economic development councils and other stakeholders, including Barry University (Appendix J-12, Pg. 84).

MDC administrators corresponded with Barry University, St. Thomas University, University of Miami, Florida International University, and Florida Memorial University, which resulted in verbal support from the University of Miami and St. Thomas University and a written letter of support from Barry University. Additionally, these institutions expressed interest in collaborating by welcoming MDC graduates into applicable master’s degree programs at their institutions. Florida Memorial University was supportive of the program but did not see an area for collaboration at the time of the meeting. Florida International University was neutral (Appendix E, Pg. 51). However, Florida Atlantic University (FAU) submitted a letter of objection May 10, 2013. Miami Dade College sent a written response to address the concerns (Appendix K, Pg. 88).

B. PROGRAM IMPLEMENTATION TIMELINE
The BAS-SCM curriculum was developed with the guidance from the business and industry partners and full time faculty. During spring of 2014 (2013-2), recruitment efforts, training of advisors and student support systems will take place, and the hiring of full-time and part-time faculty will commence. The proposed program will begin in August 2014.

C. WORKFORCE DEMAND/UNMET NEED SPECIFIC TO PROGRAM AREAS
Using the Florida Department of Economic Opportunity Labor Market Statistics (January 20133), the projected number of jobs in the supply chain management field is 160,312 by the year 2020 in Workforce Region 23, Miami-Dade and Monroe Counties. Included in this number are positions in Transportation, Storage, and Distribution Management; Purchasing Management; General and Operations Management; Logisticians; Management Analysts; Business Operations Specialists; and Operations Research Analysts. Of the 160,312 jobs in Workforce Region 23 the average annual openings are 4,839.

One of Miami-Dade County’s most recognized assets is its location to trading partners and its recognized role as a conduit for the development of multi-national trade between the United States and Latin America, the Caribbean, and Europe. This long-standing position as an international trade center promotes growth in the job opportunities for a wide variety of workers from logisticians and transportation systems managers to warehouse operators, importers, and exporters.

The proposed MDC BAS-SCM degree program (CIP Code 52.0203) and related CIP Code 52.04094 are not offered by any SUS or non-public institution in Region 23. Consequently, there are no graduates to meet Region 23 workforce demands and MDC will be instrumental in providing trained graduates to fill the 4,8395 job openings projected for 2012-2020.

D. FACILITIES AND EQUIPMENT
Equipment requirements will include: furniture for flexible grouping, state-of-the-art technology, simulation software or platform, and teaching materials. Initially, this will be done at Kendall Campus and will need to be expanded and modified as the program grows to include additional campuses. The Capital Outlay (Information Technology Equipment and Other Equipment) for implementation would be...

3 Florida Department of Economic Opportunity, Labor Market Statistics Center - January 2013
4 http://nces.ed.gov/ipeds/ (visited November 19, 2012)
5 State of Florida Agency for Workforce Innovation Employment Projections Statistics for Workforce Area 23 Miami-Dade and Monroe Counties
zero dollars for (2013-2014), $105,000 for (2014-2015), $70,000 for (2015-2016), $32,573 for (2016-2017), and $22,500 for 2017-2018. These funds will support required technologies and equipment and will outfit existing (classroom) facilities on Kendall Campus.

**E. LIBRARY/MEDIA**
In order to serve students who enter this program, MDC’s School of Business needs to expand its library holdings to include more resources including books, journals, and videos, on such topics as: supply chain risk management, operations, logistics, economics, regulatory issues, change management, forecasting, resource allocation, production planning, inventory management, total quality management, project management, customer delivery, after-sales support and service. To meet this need, a total of $129,450 of resources is budgeted for 2013-2018 to expand the existing library holdings.

**F. ACADEMIC RESOURCES**
To ensure that the full-time to part-time instructional ratio is within institutional policy, MDC expects to hire one full-time doctorally-prepared faculty member during the academic year 2015-2016 and one additional doctorally-prepared full-time faculty during the 2016-2017 academic year. The cost of one full-time faculty member plus benefits is approximately $61,373. In addition to the two full-time faculty, it is proposed that two part-time faculty (1 FTE) will be hired in 2014-2015, two additional part-time faculty (four total/2 FTE) will be hired in 2015-2016, and in 2016-2017 we will retain two part-time faculty (1 FTE). By 2017-2018, we anticipate operating the program with two full-time faculty and one additional part-time faculty (three total/1.5 FTE).

**G. COST TO STUDENTS**
The student cost of the four-year program is projected to be $14,231.55 (special fees not included).

**H. ACADEMIC CONTENT AND CURRICULUM**
MDC is requesting the development of a Track 2 option for CIP 52.0203 to accommodate the proposed common prerequisite option. The proposed BAS-SCM requires completion of an Associate in Science (AS) degree in Transportation and Logistics or a business related field with a minimum of 15 General Education transferable college credit hours or an Associate of Arts (AA) from a regionally accredited college or university, or 60 credit hours with 36 General Education transferable college credit hours from a regionally accredited institution with a cumulative GPA of 2.5. Students will also be required to complete 23 credit hours of lower division prerequisites with a grade of “C” or higher before being allowed to begin the upper division program content.

The proposed BAS-SCM (CIP Code 52.0203) is a 120-credit hour degree program. The upper division program will be designed in a full-time cohort format and a schedule for part-time students (6-9 credit hours per semester) will also be available in addition to on-line course options (Note: 26.64% (n=57) students surveyed, indicated interest in on-line/blended courses (Appendix C #12, Pg. 43).

**I. ENROLLMENT, PERFORMANCE AND BUDGET PLAN**
The program is expected to enroll full-time and part-time cohorts. In 2014-2015 the program will enroll a total of 40 students generating 720 credit hours. During 2015-2016, 70 students (full-time and two part-time cohorts, allowing for 25% attrition) will generate 1,260 credit hours, in 2016-2017, 140 students are expected to generate 2,520 credit hours, and in 2017-2018, 200 students are expected to generate 3,600 credit hours (Appendix L, Pg. 98). The first graduating class of 24 students is projected for spring 2015 (includes 25% attrition).
The projected budget plan (Appendix L, Pg. 9) indicates $12,000 total expenditures for 2013-2014, increasing to $396,951 by 2017-2018 and it is projected that the BAS-SCM will be self-supporting by 2016-2017.

J. PLAN OF ACTION IF PROGRAM MUST BE TERMINATED

As mandated by the State Board of Education, Miami Dade College will demonstrate diligence to individual needs in the event of program termination and will enact an approved degree completion plan to enable eligible students to complete the appropriate BAS-SCM degree program coursework following the termination decision (Appendix N, Pg. 100). The BAS-SCM program will accept no new students and will provide transition services, including a transition educational plan outlining coursework and program options for completion and will ensure that the program will remain open and provide “teach-out” options available in both the traditional classroom setting as well as online through MDC Virtual College to allow eligible students to complete graduation requirements within two academic years. In addition, the MDC School of Business will work to create transition plans for students who may elect to transfer to MDC’s existing Bachelor of Applied Science in Supervision and Management program or work closely with other upper-division, higher education providers to transition students seamlessly to similar programs. The plan will be comprised of courses based on an individual student review, with extensive and personalized transfer and advising assistance. Using the MDC student/staff email service and direct mailings, individuals will be contacted and offered assistance with the termination process options.