



CREATING A WORLD-CLASS EDUCATIONAL ECO-SYSTEM

One Community One Goal
Academic Leaders Council



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The purpose of **One Community One Goal** is to provide Miami-Dade County with a roadmap for its future economic growth. It offers strategic recommendations aimed at creating an environment where significant job creation occurs with a focus on new higher-paying jobs in target industries.

Education is the foundation of One Community One Goal (OCOG) and OCOG's **Academic Leaders Council** (ALC), led by Florida International University (FIU) President Mark B. Rosenberg and The Beacon Council's President and CEO, Larry K. Williams, continues to focus on closing workforce and skill gaps.

The ALC is now in its third full year of deliberations. New and expanded degree and training programs have been planned and implemented as a consequence of OCOG directives. Each of our institutions continues to develop and deepen their strategies to leverage and advance the OCOG targeted industries.

Building and preserving intellectual capital is one of the major themes we are addressing as a result of our ALC alliance. Our members, listed below, are diverse and creative in our interpretation and approaches, but we are unified in our commitment to advance local economic and educational development!

- **Dr. Roslyn Artis**, President of Florida Memorial University
- **Sister Linda Bevilacqua**, President of Barry University
- **Mr. Alberto M. Carvalho**, Superintendent of Miami-Dade County Public Schools
- **Monsignor Franklyn Casale**, President of St. Thomas University
- **Dr. Thomas J. LeBlanc**, Interim President, Executive Vice President and Provost of University of Miami
- **Dr. Eduardo Padron**, President of Miami Dade College
- **Dr. Mark B. Rosenberg**, President of Florida International University



M-DCPS students have the opportunity to obtain industry certification credentials recognized in the United States and throughout the world. These earned certifications indicate mastery of competency in specific areas of knowledge, skills and processes. For the 2014-15 school year, M-DCPS increased its industry certification offerings from 41 the previous year to 69.

This summer, there are 535 students completing their internship requirements in the OCOG targeted industries. A huge thank you to our business and community partners for providing this valuable experience in preparing our students to be career-ready.



Banking & Finance

- Miami-Dade County Public Schools (M-DCPS) offers Finance and International Business Career Academy programs at 15 school sites.
- Quickbooks and Microsoft Office User Specialist (MOS) industry certifications were awarded to students in the 2014-15 school year.
- Partnering with FIU College of Business, 22 students received Bloomberg certification.
- Finance students apply classroom learning at 13 school-based credit unions through the South Florida Educational Federal Credit Union with one additional branch at Coral Reef SHS during the 2014-15 school year.



Creative Design

- M-DCPS offers 3D Animation, Commercial Art, Digital Audio Production, Fashion Marketing, Fashion Technology and TV Production programs throughout various district high schools.
- Industry certifications awarded to students in the 2014-15 school year included: Autodesk, Final Cut Pro, Adobe Premier Pro.



Hospitality & Tourism

- M-DCPS offers Hospitality and Tourism career academy programs at 14 school sites with various strands in Culinary, Hotel Management, Event Planning and Sports and Entertainment Management.
- Industry certifications in Serv Safe, Front Desk Supervisor, Microsoft Office Specialist, and Dreamweaver are offered in these programs.
- Established a partnership with Courtyard Marriott to work on a three-year project to enhance work-based learning experiences throughout their Miami properties.



Information Technology

- Digital Media is offered in 25 high schools.
- M-DCPS offers Game Simulation, Java, Network Support Services, Web Development courses throughout district secondary schools.
- One new school site will offer a Cybersecurity Academy for the 2015-16 school year.
- Industry certifications were awarded to students in the areas of Microsoft Technology Associate-Networking, Gaming, Mobile Development; with Toon Boom Animation to be added during the 2015-16 school year.



Life Sciences & Health Care

- M-DCPS offers Agri-Technology, Animal Biotechnology, Pharmacy Technician and Veterinary Assisting pathways throughout the district.
- Several industry certifications in Life Sciences and Health Care are offered to students and include Certified Medical Assistant, Certified Veterinary Assistant, EKG, and EMT.



Trade & Logistics

- Two new school sites will offer a Global Trade and Logistics Academy for the 2015-16 school year: Miami Central Senior High School and Ronald W. Reagan/Doral Senior High School.
- Plans are in place to offer the Global Logistics Associate industry certification.



From 2013-14, UM awarded 2,633 bachelors, 1,045 masters, 414 J.D.s, 160 M.D.s, 154 Ph.D.s, 87 other doctorates, and 15 certificates.

49,600 UM Alumni live in Miami-Dade County.

Research and sponsored program expenditures totaled \$331 million (FY14). UM ranked 59th of all universities in expenditures of federal funds for research and development (FY12).

U.S. News ranked two UM graduate programs among the top 10 in its 2015 edition of Best Graduate Schools: the Miller School's Physical Therapy program (No. 9) and the School of Law's Tax Law program (No. 5).

At a past UM New Student Convocation, three-time Pulitzer Prize-winning journalist and bestselling author Thomas Friedman gave freshman a look at the world today – a place where “average is now over” and jobs must be invented and reinvented.



Entrepreneurship

- At The Launch Pad, entrepreneurial-minded students receive assistance in conceptualizing and establishing businesses. The Launch Pad assists with developing business plans, assigning a business coach, and teaching students the basics of running a business.
- The Launch Pad has assisted in launching 159 companies locally, 78 of which are directly related to the target industries and have produced 263 jobs.



Life Sciences & Health Care

- Groundbreaking November 2015: The University of Miami Simulation Hospital at the School of Nursing & Health Studies
- The 41,000 sq. ft facility will replicate a functioning hospital and outpatient clinic.
- The simulation hospital is structured with dedicated and flexible space to accommodate multiple learning environments and diverse needs, to enhance interprofessional education and collaboration.
- The goal of the Simulation Hospital is to enrich the learning experience, encourage collaboration, and educate well-rounded and culturally-competent professionals who will impact healthcare locally, nationally and globally.

Barry University

At Barry University, a new essential component of all undergraduate degrees is “Fostering Personal and Social Responsibility through Experiential Learning.”

Barry offers career-specific targeted information and employment fairs for our students and potential employers.

Barry created a pre-shadowing program for undergraduates that is offered during the year and a special job shadowing day during Spring Break.



Banking & Finance

- A new dual degree, MS/MBA - Master of Science in Sports Exercise Performance Psychology and Master of Business Administration - was launched.
- The School of Business created a mandatory one-credit course for all juniors and seniors. The course addresses topics such as developing professional profiles, creating introductory letters, using social media appropriately, negotiating one's salary and networking skills, etc.
- The Student Managed Investment Fund researches and invests a smaller portion of the University's endowment funds.



Information Technology

- The Computer Information Science degree program was completely redesigned, including two specialization options - Computer Security and Multimedia.



Life Sciences & Health Care

- Barry now offers the following degree programs in a variety of learning formats (independent online; synchronous and interactive video conferencing; face-to-face).
 - Master of Science in Anesthesiology
 - Generic Doctor of Nursing Practice (DNP)
 - Doctor of Nursing Practice (DNP) with specialization in Anesthesiology
- A new doctoral degree program, Doctor of Occupational Therapy, was approved by the Board of Trustees in May and will be offered in a blended learning format.
- A Bachelor of Science degree with a specialization in Health Services Administration is now offered totally online.
- The new undergraduate degree in Sport, Exercise and Performance Psychology, one of the only in the State, was launched.



Florida Memorial University is uniquely positioned to contribute to South Florida's vibrant economy by training students in high demand fields who are well prepared to join the workforce. In addition to the programmatic highlights below, FMU has restructured its Career Services Center to focus on developing clear pathways into the workforce from the moment students set foot on campus.



Aviation

- 2015 saw the largest graduating class of Aviation Management Majors in the program's history.
- FMU's Director of Aviation, Captain A. J. Tolbert, was elected to serve a three-year term on the Board of Trustees for the Aviation Accreditation Board International (AABI).
- FMU's Department of Aviation & Safety again co-hosted a Summer Aviation Career Education Camp with the Federal Aviation Administration, the Organization of Black Aerospace Professionals and the National Black Coalition of Federal Aviation Employees.



Hospitality & Tourism

- Developing an undergraduate degree in Hospitality and Tourism



Life Sciences & Health Care

- FMU researchers have submitted compounds to the National Cancer Institute and have received promising information on drugs that were tested against 60 different cancer cell lines.
- The university is strategically positioning itself to launch a School of Health Sciences.



Trade & Logistics

- Developing an undergraduate program in Trade and Logistics
- Launching "Entrepossible: Center for Entrepreneurship"

FIU is actively engaged in ensuring that our education aligns with the needs of local industry.

- **54,000** Fall 2014 Enrollment
- **130,000** Students will graduate FIU in the next decade
- **148,000** Alumni live and work in South Florida
- **180** Bachelor's, master's and doctoral programs
- **Ranked 64th** on Forbes' list of America's Best Employers
- **Ranked 73rd** on Times Higher Education's list of top universities under 50 years old



Banking & Finance

- 1300+ new employers registered and posted jobs with the FIU College of Business last year.
- 158 Fortune 500 companies recruited through the College of Business, a 26% increase over last year.
- A 45% increase in students selected for interviews.
- Online certificates in Health and Fitness Marketing, Import/Export and Supply Chain Management, Social Media and Digital Marketing Analytics added to FIU College of Business online offerings.



Creative Design

- All College of Architecture + The Arts (CARTA) degree programs have integrated internships, service learning, and/or study abroad opportunities.
- 87% of all Architecture graduates were employed full-time in Florida one year after graduation!
- The creation of a graduate health care design track in the School of Architecture was developed and externally funded.
- In response to industry demand, undergraduate and graduate degrees in Graphic Design, Object Design, and Animation/Digital Design have been added.
- FIU launched the Miami Creative City Research Initiative with Dr. Richard Florida.



Hospitality & Tourism

- FIU's Chaplin School offers undergraduate and graduate degrees in hospitality management which prepare students to design, develop and manage the customer experiences of the future.
- Food and Beverage Science Program: FIU's Chaplin School of Hospitality & Tourism Management is realizing its vision to become a global epicenter for food and beverage/nutrition science.
- 100% of FIU's Chaplin School students receive hands-on experience through internships, jobs, consulting projects and mentorships.



Information Technology

- FIU's School of Computing and Information Sciences (SCIS) developed Tech Station, a \$3 million, 8,000 sq. ft technology hub for innovation, training and engagement.
- Multiple hackathons are held a year with strong industry participation.
- Courses in engineering entrepreneurship and industry sponsorship of senior capstone design projects
- Launched Spring 2015: An online Computer Engineering MS in Network Security
- Launching Fall 2015: An online MS in Cybersecurity



Trade & Logistics

- Launching Fall 2015: A fully online College of Business bachelor's in Logistics and Supply Chain Management
- Launching Spring 2016: A series of professional, non-credit certificates accessed via FIU online
- In development: An on-campus and online College of Business master's in Logistics and Supply Chain Management

St. Thomas University has been actively engaged with leaders in targeted industries and has responded to workforce needs with seven new programs and four new concentrations.



Banking & Finance

- Launching Spring 2016: Undergraduate and graduate degrees in Cybersecurity Management with an endowed professorship
- Launching Fall 2015: Online graduate degree in International Business
- Launching Fall 2015: Online graduate degree in Global Entrepreneurship



Hospitality & Tourism

- Launching Spring 2016: DBA in Sports Administration in hospitality, tourism and sports-related activities



Information Technology

- Launched five fully online graduate education programs and an Ed.D. program
- Launched a graduate degree in Instructional Technology
- Launching Fall 2015: Undergraduate and graduate degrees in Cyber Security Management
- Launching Spring 2016: Graduate degree in Big Data Analytics



Life Sciences & Health Care

- Launching Fall 2015: New undergraduate and graduate degrees in Nursing
- Launching Fall 2015: New graduate degrees in Science Teaching
- Launching Fall 2015: Graduate Degree program in Cell and Molecular Biology



Trade & Logistics

- Launched undergraduate and graduate degrees in Supply Chain Management to address employment opportunities opening due to construction at The Port of Miami and the Panama Canal. The online program will be launching in Fall 2015.



The Beacon Council

Miami-Dade County's Official
Economic Development Partnership

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Aviation

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