

Are you interested in Biomedical or Life Science research? Would you like to attend to Medical /PhD programs?

If your answers are “Yes”, then the QBIC (Quantifying Biology in the Classroom) program could be of interest for you!

This prestigious four-year program at Florida International University is characterized by features such as:

- **Small classes** with a close interaction between students and professors
- QBIC graduates will have a greater likelihood of being **accepted into PhD and MD/PhD Programs**
- Four-Year **Scholarships** are available based on academic merits
- QBIC scholars develop a tight **social network** of gifted classmates
- And many other benefits!

Come to our Open House at Florida International University on November 8th from 10:00 am to 1:00 pm to learn more about our program. Tours will be offered and you will be able to meet QBIC faculty and current Scholars (i.e. students). Room: CBC 152



Key by Colleges and Schools

College of Architecture + The Arts School of Music Theatre	PCA WPAC WPAC
College of Arts & Sciences School of International and Public Affairs (SIPA) School of Integrated Science and Humanity (SISH) School of Environment, Arts and Society (SEAS)	ECS SIPA AHC4 AHC5, DM, OE
College of Business Undergraduate Graduate	RB CBC
College of Education	ZEB
Honors College	DM
College of Law	RDB
Herbert Wertheim College of Medicine	AHC1,2
Nicole Wertheim College of Nursing & Health Sciences	AHC3
Robert Stempel College of Public Health and Social Work	AHC5

Important Locations

Admissions	PC
Bookstore	GC
Financial Aid	PC
Recreation Complex	RC
Library	GL
Museum	PPFAM
OneStop Enrollment Services	PC
Student Center	GC
Veteran and Military Affairs	TWR



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KEY Buildings Sidewalks Roadways Grassy Areas Athletic Fields Water Parking Lots Parking Garages



Modesto A. Maidique Campus
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Miami, Florida 33199
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www.fiu.edu

Key by Buildings

ACC Ambulatory Care Center	DM Deuxieme Maison	PC Charles Perry Bldg. (Prima Casa)	SAAC Student Athletic Academic Center	WC Wertheim Conservatory
AHC1 Academic Health Center 1	ECS Engineering & Computer Science	PCA Paul L. Cejas School of Architecture	SASC Student Academic Support Center	WPAC Herbert and Nicole Wertheim Performing Arts Center
AHC2 Academic Health Center 2	EH Everglades Hall	PG1 Gold Parking Garage	SH Solar House	WS/TC Women's Softball/Tennis Center
AHC3 Academic Health Center 3	FIUS FIU Stadium	PG2 Blue Parking Garage	SHC Student Health Center	ZEB Sanford L. Ziff Family Education Building
AHC4 Academic Health Center 4	GC Ernest R. Graham Center	PG3 Panther Parking Garage	SIPA School of International and Public Affairs	
AHC5 Academic Health Center 5	GH Greek Housing	PG4 Red Parking Garage	STK Stocker Astroscience Center	
ARE FIU Arena	GL Steven and Dorothea Green Library	PG5 Parking Garage 5	TWR Tower/Veteran and Military Affairs	
AS Artist Studio	LC Labor Center	PG6 Parking Garage 6	UA University Apartments	
BBS Baseball Stadium	LH Lakeview Hall	PH Panther Hall	UT University Towers	
CBC College of Business Complex	MANGO Management and New Growth Opportunities Building	PVH Parkview Hall	VH Viertes House	
CCLC Children's Creative Learning Center	MARC Management and Advanced Research Center	PPFAM Patricia & Phillip Frost Art Museum	W01 Ceramics	
CFES Carlos Finlay Elementary School	NOAA National Hurricane Center	RB Ryder Business Building	W03 Key Control	
CP Chemistry & Physics	OE Owa Ehan	RDB Rafael Diaz-Balart Hall	W10 Graduate Studios - Visual Arts	
CSC Campus Support Complex		RC Recreation Complex	W10A ROTC - Reserve Officer Training Corps	
DC Duplicating Center		RH Ronald W. Reagan Presidential House		

QBIC HISTORY

Undergraduate biology curricula in the United States *must be updated* to incorporate mathematics, the physical and informational sciences, and statistics.

Without these improvements, American biology undergraduates will be less likely to produce significant advances in biological knowledge, and will become less competitive at a graduate level.

In response, the Biological Sciences Department at FIU has developed an innovative scholarship program developed by FIU faculty: **QBIC- Quantifying Biology in the Classroom.**

QBIC both improves the quality of education available to its scholars, and increases their likelihood of excelling in Biological Science-related careers.



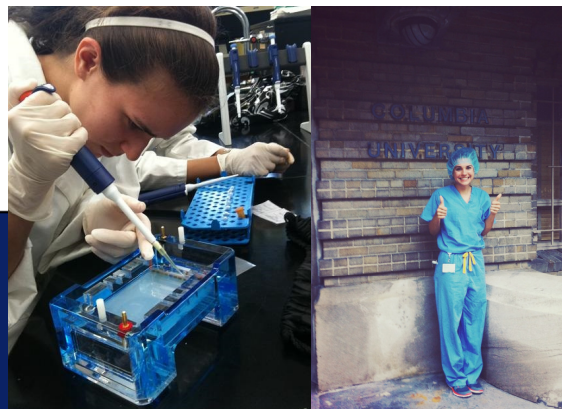
QBIC GOALS

QBIC emphasizes the connection between biology and other disciplines indispensable to biologists, producing graduates with:

- The ability to solve biological problems using conceptual, analytical, and quantitative approaches.
- A greater likelihood of being accepted into and excelling in Biological Sciences and other Science Graduate Programs, or Health Sciences Programs such as medical school, pharmacy, and dental programs.

THE BENEFITS OF QBIC

- Close interaction among students and faculty in **small classes.**
- Coordinated and **integrated course materials** that demonstrate the relevance of non-biological science classes.
- Cooperative and inquiry-based learning concepts in **specialty (re)designed QBIC classes** facilitate understanding.
- A tight **social network** of gifted students with similar goals and interests.
- Opportunities for **funded research** via strong ties to FIU's MBRS RISE and MARC U*STAR programs, as well as limited school scholarships to qualified students.
- Interaction with world-class scientists via the **QBIC Confluence Seminar Series.**
- Biological science reading and writing proficiency development in the **QBIC Journal Club** classes.
- Access to special QBIC and other workshops in math and modeling.
- Dedicated faculty members, available for mentoring and advice.
- Credentials and experience that increase your likelihood of success in any future academic path.



QBIC CURRICULUM

The QBIC program has:

A **free QBIC-Bound Summer Session** that prepares incoming freshmen for the rigors of their first year in the program.

- **Part I** (Freshman and Sophomore years) integrates required foundational courses such as Biology, Calculus, Chemistry, Ecology, Genetics, and Statistics.
- **Part II** (Junior and Senior years) offers a more flexible schedule of upper-division courses and funded research opportunities.

Please see our website for a detailed four-year curriculum. Students may customize their additional courses (after satisfying QBIC course requirements on schedule) to suit their individual interests.



QBIC ELIGIBILITY

Entering Freshmen with:

- a minimum **3.3 GPA**
- a minimum **1750** cumulative SAT score
- a minimum **24** cumulative ACT score
- a C or better in **pre-calculus** /algebra+trig.
- an interest in potentially pursuing a **PhD, MD or MD/PhD degree**