

A photograph of a modern, multi-story university building with a light-colored facade and many windows. The building has a prominent logo on the upper left side that reads "UPR" in large letters and "BAYAMÓN" in smaller letters below it. The sky is overcast. In the foreground, there is a grassy area with some young trees and a few people walking. A white rectangular frame surrounds the central text.

UNIVERSITY OF PUERTO RICO AT BAYAMÓN

UPR Governing Board Meeting
October 26, 2023

Presented by Dr. Miguel Vélez Rubio, Chancellor

THIS IS US

- Serving Bayamón and other municipalities (15+)
- Teaching-oriented institution providing undergraduate and transfer programs
- Growing into undergraduate research
- Carnegie Classification - Baccalaureate diverse fields
- All susceptible programs are professionally accredited
- Third UPR institution in student enrollment
- One of the largest undergraduate STEM institutions in the Island
- Highly selective
- Outstanding performance in sports
- Alumni that make the difference in PR and the US



This is our Community



Students

2,967 fall enrollment
99% Hispanic
78% with financial aid
17% first generation
51% female



Faculty

185 faculty members
114 tenured or tenure-track
61% with doctoral degrees



Personnel

222 non-faculty personnel
148 tenured personnel

Service Region

Bayamón and surrounding municipalities



This means quality!



Computing
Accreditation
Commission

Computer Sciences

BCS Information Systems

BCS Computer Sciences



Education

BEd Preschool and Elementary Education

BEd Special and Elementary Physical Education



Engineering
Technology
Accreditation
Commission

Engineering Technology

AD Instrumentation Technology

AD Civil Engineering Technology

AD Construction, Surveying and Roads
Engineering Technology

AD Industrial Engineering Technology

BS Electronics Engineering Technology



Business Administration & Office Systems

BBA Accounting

BBA Finance

BBA Management

BBA Marketing

BOS Office Systems



Applied and
Natural Science
Accreditation
Commission

Applied Sciences

BMM Materials Management

BNS General Biology

BNS Human Biology

New Program (Started in 2021)

BS Information Engineering Technology

(Designed and offered to obtain accreditation
after first graduating class by ETAC of ABET)

Our New Reality



- The island is in recovery process with economic and social challenges
- Less population because of emigration and low birth rate
- Significant budget cuts (Island-and Institution-wide)
- Increase in costs of study (tuition, fees and services)



LEGEND

- Faculty and Administration Offices
- Academic Buildings
- Theater
- Library
- Student Center and Administration Offices
- Sports/Gymnasium
- Physical Plant / Storage / Maintenance
- Vacant

Future UPRB

Proposed Scheme

FEMA assignment:

- ▶ \$161 million
- ▶ 23 projects
- ▶ 10 years

Theater

■ Theater

Bldg. B

■ ADEM ■
■ SGR ■

Bldg. A

■ BIOL ■ SICI
■ INGE ■ FISI
■ TEEL ■ QUIM

Bldg. D

■ Athletics ■
■ EDFI ■

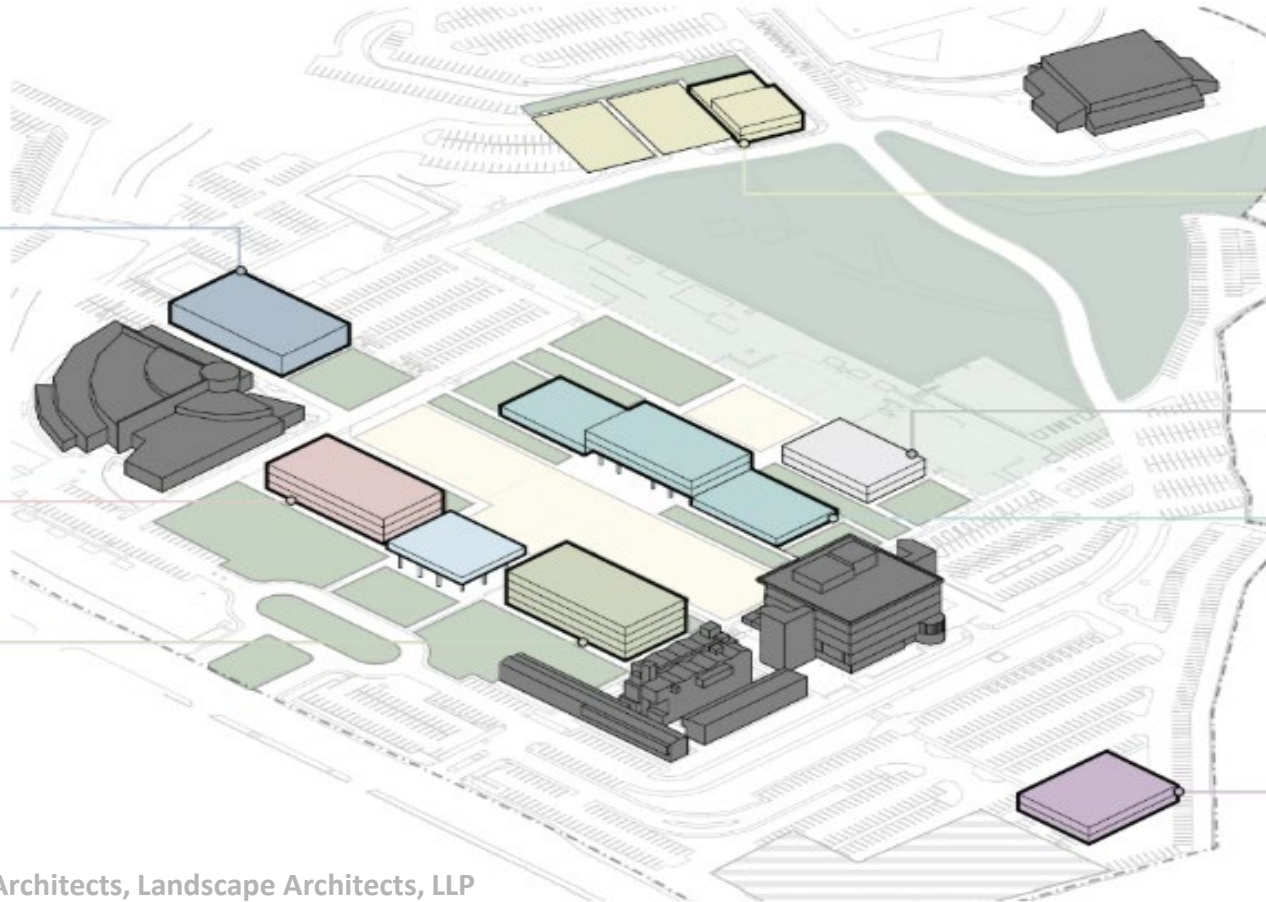
Purdue University
Nursing Program

Bldg. C

■ ESPA ■
■ INGL ■
■ MATE ■
■ HUMA ■
■ CISO ■
■ EDUC ■
■ EDFI ■

Bldg. OM

■ Physical Plant ■
■ OSI ■



Agreements & Collaborations

- Bayamón Municipality
- Bayamón-Comerío Consortium (WIOA)
- Engine 4 (STEM)
- Departamento de Desarrollo Económico y Comercio de Puerto Rico
- Departamento de Educación de Puerto Rico
 - Central and regional offices
- WIPR – Canal 6
- ABC Puerto Rico
- Center for Design Thinking and Innovation in Education
- Mechanical Contractors Association
- Friends of Puerto Rico
 - Metro Women Business Center
- Purdue University
- Purdue Global
- Cineastas
- Wireless Infrastructure Association
- Fundación Carrusel
- Fundación Mapfre
- Para la Naturaleza
- Special Olympics
- Puerto Rico Aerospace Technology Consortium
- 5G Américas
- Internet Society of Puerto Rico
- Universidad Interamericana de Puerto Rico – Recinto de Bayamón
 - La Red Caribeña de Varamientos

External Resources (Financial Stability)

- **OATRH (\$1.3 M in 4 years)**
 - Policía de Puerto Rico
 - Police Academy
 - Asynchronous virtual courses
 - Associate degree (negotiation)
 - Departamento de la Familia
 - Departamento de Justicia
 - Departamento de Corrección
 - Departamento de Recursos Naturales
 - Departamento de Desarrollo Económico y Comercio
 - Departamento de Hacienda
 - Other government agencies
- **Departamento de Educación**
 - (\$700,000 in 4 years)
- **Drones Academy**
- **Wireless Infrastructure Association**
- **Workforce Innovation and Opportunity Act**
 - College Board
 - Internships
 - Apprenticeship
- **Policía Municipal de Bayamón**
- **DDEC**
 - 21st Century Workforce Development
 - Stackable Credentials
 - Entrepreneurship PYMES
- **Iniciativas Continuas en Progreso**
 - Educación Continua - DECEP
 - Universidad Extendida - UNEX
 - Distance Education
 - 48 online sessions with 1,095 seats

DECEP/UNEX Offerings

DECEP – Short Courses (2023-2024)

DECEP – SHORT COURSES 2023-2024	CONTACT HOURS	DECEP – SHORT COURSES 2023-2024	CONTACT HOURS
Ajedrez básico	20	Microsoft Office® “Word, PowerPoint, Excel & Outlook” 2019 básico	36
Inglés conversacional básico	30	Destrezas básicas de navegación (teórico)	24
Inglés conversacional intermedio	30	“SENIORS” Computadora básica I (solo principiantes)	30
Lenguaje de señas básico	36	Cómo manejar mi niño con el desorden espectro autismo – enfocado a madres, padres y familiares de niños con autismo	20
Mindfulness, práctica de concentración en el trabajo	32	Manejo y administración de redes sociales – una guía para principiantes	15
Soldadura de arco básico (Stick)	30	Mercadeo digital en los negocios y su poderosa influencia en las redes sociales	21
Soldadura de alambre continuo (M.I.G.)	30	Dibujo y pintura básica (7-11 años)	30
Soldadura T.I.G. (Heliarc)	30	TOTAL OF 17 COURSES	
Planillas de contribución sobre ingresos	24		
Repaso College Board	N/A		

DECEP/UNEX Offerings

UNEX – Online Courses (2023-2024)

ADMI 3100 Desarrollo de Nuevas Empresas	SICI 3211 Fundamentos de Sistemas de Información	HIST 3245 Compendio Historia de Puerto Rico
ADMI 4035 Administración de Pequeñas Empresas	SICI 4066 Aplicación de las Computadoras en la Educación	HUMA 3111 Compendio Cultura Occidental 1 y 2
CONT 3005 Contabilidad Financiera	CIPO 3011 Principios y Problemas de las Ciencias Políticas	HUMA 3112 Compendio Cultura Occidental 3 y 4
CONT 3115 Contabilidad Computarizada	CISO 3121 Introducción a las Ciencias Sociales I	INCO 3004 Introduction to Writing Business English Documents
CONT 4038 Contribuciones Federales sobre Ingreso	CISO 3122 Introducción a las Ciencias Sociales II	INCO 4009 Effective Business Writing, Research and Reports
ECON 3021 Principios de Economía	PSIC 3025 Desarrollo Humano	INCO 4025 Technical Report Writing
ECON 3022 Principios de Economía II	SOCI 3245 Principios de Sociología	EDPE 3317 Literatura Infantil
ESTA 3001 Estadística Comercial I	SOCI 3277 La Mujer y sus Derechos en la Sociedad	SOFI 3240 Procesamiento de Información - Excel
ESTA 3002 Estadística Comercial II	EDFU 3005 Seminario para el Desarrollo Personal y el Éxito Universitario	SOFI 3245 Procesamiento de Palabras
CIBI 3002 Ciencias Biológicas II	ESPA 3102 Español Básico II	SOFI 3250 Presentaciones Efectivas con PowerPoint
BIOL 3008 Temas en Biología	HIST 3115 Historia de Estados Unidos I	SOFI 4005 Integración de Programas Electrónicos de Información
CIBI 3001 Ciencias Biológicas I	HIST 3241 Historia de Puerto Rico I	
SICI 3017 Introducción al Procesamiento de Datos	HIST 3242 Historia de Puerto Rico II	TOTAL OF 37 COURSES

Strengths

- Location
- Tuition cost
- Students academic background
- Faculty credentials
- Updated academic offerings
 - Support STEM and entrepreneurship ecosystems
- Quality in academic programs
- Excellence in athletic performance
- Undergraduate research aligned to PR needs
- Collaboration with industry and government
- Academic technological infrastructure



Weaknesses

- Need of faculty and non faculty personnel
- Budget cuts
 - Physical infrastructure
 - Maintenance of facilities and equipment
- Philanthropy culture and support
- Competitive salaries and benefits (tuition exemptions)
- Further promote student retention and graduation rates
- Research infrastructure and administrative support
- Academic offering in evening and weekends (we are promoting this)
- Administrative technological infrastructure (SIS, Oracle, Next, HRS)



Opportunities

- Student internships and exchange programs
- Improved assessment culture
- Evening and weekend academic offerings
- Scholarships for students
- Online courses and programs (area for development)
- Graduate level programs and certifications
- Academic terms
- Undergraduate research
- External resources office's administrative structure
- Government and private sector collaborations
- Diverse student sectors



Threats

Demography

Bayamón higher education market

Budget needs

Infrastructure development

Continuity of governance and leadership

Natural disasters

Electric power instability and utility costs

Allocated vs budgeted

Bureaucracy

Cafeteria services require an RFP



Threats

Important Developments Since 2021

- Cinematographic industry support
 - MOU with Purdue University
 - Blue Integrated Partnership
 - NSF Caribbean Green Engine (\$600K; approved)
 - Summer Institute on Coastal Resiliency and Climate Change
 - NSF proposal (\$125K; approved)
 - NASA (\$238.7K; additional approved)
 - Microgrid with 5 neighboring schools (Infra-Mit ; \$92M; pending approval)
 - Blue Integrated Partnership 2.0 (ONR; \$6.7M; in process)
 - ACUDEN (\$250K and \$30K; approved)
 - 21st Century Stackable Credentials (DDEC; \$400K; approved)
 - USDA-NRCS (\$100K + \$145K in-kind match; approved)
 - US Fish & Wildlife Service (\$65K; approved)
 - US Forest Service (\$30.3K + \$56.5K in-kind match; approved)
 - Summer Math Immersion
 - Compuchicas Summer Experience
 - Electronics and Robotics Summer Experience
 - Biology Summer Bridge Program
 - NASA Space Grant Consortium (\$32K; approved)
 - National Endowment for the Humanities (\$25K; approved)
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In conclusion: \$2.1M approved; \$98.7M pending

Needs from the UPR Governing Board

- Independent audit statements
- Certification and regulations in English
- Non-faculty personnel recruitment support
- Authorization of new personnel classification system
- Status of funds for previous capital projects
 - Physical Education facilities project (UPRB provided funds)
 - Sport facilities and fire protection system projects

- Openness to reevaluate, reduce or eliminate the cautionary measures started over a decade ago
 - Authorization of the UPRB recuperation plan
 - Release of UNEX's program withheld funds
 - Student recruitment support
 - Faculty background checks for recruitment
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Final Remarks

UPRB will continue to advance and strengthen the sustainable social and economic development of Puerto Rico as we have done for more than five decades.



THANK YOU!

