Imagine what you can accomplish.

Universidad Politécnica
San Juan • Orlando • Miami

Our university and its offerings
Puerto Rico is a territory of the United States, located in the Caribbean, and an archipelago that includes the main island and a number of smaller islands. The capital and largest city is San Juan, with the Island’s official languages being Spanish and English. Puerto Rico is extremely rich in history, with a culture that’s a distinct melting pot of Amerindian, Spanish, African and North American influences. Its tropical climate, diverse natural scenery, and renowned traditional cuisine make it a popular destination for visitors from all around the world.

**Puerto Rico** • [ˈpwerto ˈriko]
- Temperature = 70 F – 95 F
- Population = 3.6 million
- Area of the island = 13,790 sq. kms. (5,320 sq. mi)
Hato Rey is located in the northwest part of Río Piedras, which stretches over three wards of the municipality of San Juan, Puerto Rico. Because of its location, many Puerto Ricans consider it a center of finance and cosmopolitan activities, serving as a home to the headquarters of many large local and international banks, exquisite restaurants and trendy boutiques. The José Miguel Agrelot Coliseum and the Tren Urbano (Urban Train) are also located in this area, reshaping Hato Rey and bringing people into the area around the clock for all kinds of activities like work, higher education and nightlife.
In 1966, a high demand for professionals in the areas of Cartography and Land Surveying became a reality in Puerto Rico. Agronomist Ernesto Vázquez Torres had a clear vision: to create a university in the heart of the Metropolitan Area committed to educate and prepare professional engineers and land surveyors. As a result, Universidad Politécnica opened its doors.

Barely a decade later, in 1973, Politécnica offered its first bachelor’s degrees in Civil Engineering and Land Surveying. It was the first institution to offer these kinds of degrees in the Metropolitan Area. Its innovative offerings of evening classes received an enthusiastic welcome from students from all parts of the Island.

La Poli, as it became known among its students, quickly became a feasible alternative for heads of households and professional adults. After 1977, the Institution offered the possibility of working during the day while taking evening or Saturday classes – a system that allowed these working professionals to finish their education in a practical and efficient way.

The year 1980 was when the Universidad Politécnica is growth became a reality. During this decade, the University also enjoyed its first academic programs approved by the Middle States Commission on Higher Education (MSCHE), among them: Industrial Engineering, Electrical Engineering, Mechanical Engineering and Business Administration. In the year 1986, the University purchased the iconic building known as the Clínica Juliá, in the heart of Hato Rey.

After ample renovations, in order to attune the new campus to the growing needs, the Institution currently enjoys excellent facilities equipped with the latest technology providing an atmosphere that encourages academic and investigative work.
1986
Furthermore, with the arrival of the new millennium, Universidad Politécnica expanded its horizons to Miami (2001) and Orlando (2003), offering the same academic excellence to students in the United States.

Since 2013, there are five major schools that shape the future of thousands of professionals: the School of Engineering, Land Surveying and Geospatial Sciences, the School of Architecture, the School of Management and Entrepreneurship, the School of Education and the Graduate School.

Universidad Politécnica is the private institution that currently graduates the highest number of Hispanic engineers in the United States and also the institution with the highest number of women attending the Engineering programs.

In 2016, the Institution celebrated its 50th anniversary of educating experts for the future. It currently boasts the highest accreditations and awards as a result of its high quality education, combined with a vision where research work and a steady academic growth play a pivotal role. What started as an academic institution oriented towards Engineering and Land Surveying, has now successfully expanded into a university with a renowned education curriculum. This goes in hand with the campus being recognized by the nonprofit organization Excelencia in Education as one of the 25 most important educational institutions and #1 in graduate programs for Hispanics in the United States in the areas of Science, Technology, Engineering and Mathematics (STEM). Today, the University has a clear view directed toward its future and its academic offerings continue to cater the needs of the most sought-after careers in the professional world.
For more than five decades, we have worked with one important mission in mind: To play a role in the development of future professionals and entrepreneurs who will in turn contribute to the creation of a more dynamic and innovative future for the Island and the U.S.

Ernesto Vázquez Barquet / President
our mission

As an institution of higher education, Universidad Politécnica provides opportunities for individuals from diverse backgrounds in different locations using multiple methods of education to cultivate their potential for leadership, productivity and competitiveness with the purpose of providing greater social responsibility toward their communities, through exposure to intellectual, humanistic and technological advancement.

our vision

To be recognized as the leading Hispanic-serving Institution in multiple fields of study, meeting societal and industrial standards in general, in association with public and private enterprises, characterized by an emphatic relationship between faculty and students, and with a culture of client-oriented quality service, empowerment and teamwork. Universidad Politécnica reflects the merge of the two prevailing cultures of the Americas, thus it is well-positioned to interact with the Hispanic and Anglo worlds inside and outside its geographical borders by providing a cultural and linguistic intermediary link.
our campuses

The San Juan campus
Our main campus is located in San Juan, Puerto Rico, quite close to the Golden Mile area in the Hato Rey district. The main academic disciplines in this campus are Engineering (eight programs), Geospatial Sciences, Architecture, Computer Science, Education and Business Administration (five majors). It also harbors a recognized Graduate School, home of the only doctorate degree in Engineering and Applied Sciences on the Island. As of today, it is the largest private Engineering School in Puerto Rico and the only one in San Juan. It is also the largest private Hispanic-serving Engineering School and Architecture School in the United States and its territories.

The Miami campus
With a vision of offering the same academic excellence to students living in the United States, Universidad Politécnica established its Miami campus in 2001 to great acclaim. With bachelor’s degrees in Computer Science and Business Management and master’s degrees in Engineering and Business Administration, offering mostly online courses, Politécnica continues its mission to prepare technology-savvy professionals who successfully compete in today’s business world.

The Orlando campus
Shortly after the opening of the Miami campus, and responding to the very high demand, Universidad Politécnica was established in Orlando in 2003. With the working professional always in mind, the Orlando campus also offers a great variety of evening and online courses in order to cater to those who seek academic development, but work full-time during the day. The degrees available are varied, with a blend of in-person and online classes: from bachelor’s degrees in Computer Science and Civil and Electric Engineering, to master’s degrees in Business Administration and Engineering.
School of Architecture

Recognitions, licenses and accreditations:
• National Architectural Accrediting Board (NAAB)
• Landscape Architectural Accreditation Board (LAAB)

ArqPoli, the School of Architecture of Universidad Politécnica, is a community of professionals, professors and students deeply devoted to generate solutions for the future. Its students direct their gaze towards the assorted landscape of our society and our reality without forgetting the role we play in our region and our participation in global culture. The School offers a five-year program that proudly boasts important accreditations from the National Architectural Accrediting Board (NAAB) and Landscape Architectural Accreditation Board (LAAB), graduating students with the necessary preparation to be part of the workforce the moment they graduate. It also hosts the only Architecture Conservation Laboratory in the Caribbean and the only architecture based Interior Design program in Puerto Rico, demonstrating the School is a true leader in its field.

School of Education

Recognitions, licenses and accreditations:
• Approved by the Oficina de Certificación de Maestros del Departamento de Educación de Puerto Rico.

With the interest of helping more teachers specialize in the areas of STEM (Science, Technology, Engineering and Mathematics), Politécnica offers a bachelor’s degree in Secondary Education in Natural Sciences and Mathematics and a master’s in Primary and Secondary Education in Natural Sciences and Mathematics, aimed at those interested in educating the next generations.
New advances in technology and design ensure that the School of Engineering, Land Surveying and Geospatial Sciences is always setting the pace. *Universidad Politécnica* guarantees its students a solid background in Math and Science as part of their Engineering and Land Surveying classes. Its innovative approach of theory and practice, in which the students need to complete a number of hours working professionally in their areas of expertise, is purposely oriented at preparing problem-solving professionals who will be capable of dealing with real life situations in their careers. This includes student projects that have been brought to life, like the first electric Formula 1 car and the first full power rocket built at a university level in the Caribbean.

*Universidad Politécnica* is also proud to be the only academic institution offering programs in Mechanical Engineering with a minor in Aerospace, Biomedical Engineering and Environmental Engineering in Puerto Rico. The School of Engineering, Land Surveying and Geospatial Sciences has the highest number of academic programs accredited by the *Accreditation Board for Engineering and Technology*, more than any other institution on the Island. It is also home to more than 20 different research laboratories including the only Plasma Laboratory in Puerto Rico and the Caribbean, the only full-motion flight simulator MOTUS 622i in Puerto Rico and the only Forensic Informatics Laboratory on the Island. Also, the School has been appointed as the only *National Center of Academic Excellence in Cyber Defense Education (CAE/CDE)* in Puerto Rico and the Caribbean, one of only 100 in all of the United States and its territories. This accreditation was conferred by the *U.S. National Security Agency (NSA)* and the *U.S. Department of Homeland Security (DHS)*.
Our School of Management and Entrepreneurship excels as it prepares future professionals with the necessary management know-how in order to contribute productively to their companies and to society in general. It is one of the few institutions in Puerto Rico that is a member of the Consejo Latinoamericano de Escuelas de Administración (CLADEA), one of the largest networks of business schools worldwide. Students can enroll in a joint program with the Graduate School that allows them to work on a master’s degree as they complete a bachelor’s degree, yet another tool that gives our students a professional advantage in order to compete in today’s business world. The International Assembly for Collegiate Business Education (IACBE) accredited the School and it is the only School in Puerto Rico that offers a degree in Construction Management.

In a short period of time, the Graduate School of Universidad Politécnica has positioned itself as one of the best on the Island. The program is aimed at professional adults who are searching for new developments in their careers or who are interested in changing their professions altogether. Their innovative offering includes master’s degrees in Engineering, Geospatial Sciences, Management and Business Administration, Education and Landscape Architecture. Among its accreditations, the School has the approval of the
Council of Graduate Schools (CGS), a distinction conferred to a very select group of graduate schools in Puerto Rico and the U.S.; it is also accredited by the Middle States Commission on Higher Education (MSCHE). It’s also the only one in Puerto Rico to offer master’s degrees in Engineering Management, Manufacturing Engineering, Manufacturing Competitiveness and a Graduate Certificate in Information Assurance and Security, and the only doctorate’s degree in Engineering and Applied Sciences on the Island.

Our Offerings

School of Architecture

Bachelor
  • Architecture
  • Interior Design

Master
  • Landscape Architecture*
School of Education

Bachelor
• Secondary Education in Natural Sciences and Mathematics

Master
• Primary and Secondary Education in Natural Sciences and Mathematics
  - Secondary Education in Natural Sciences
  - Secondary Education in Mathematics
  - Primary Education in Natural Sciences and Mathematics

School of Engineering, Land Surveying and Geospatial Sciences

Associate
• Land Surveying
• Mechanical Engineering
• Software Development Engineering
• Supply Chain and Logistic Engineering

Bachelor
• Biomedical Engineering*
• Chemical Engineering
• Civil Engineering
• Computer Engineering
• Computer Science
• Electrical Engineering
  • Potency
  • Communications, Signals and Controls
• Environmental Engineering*
• Industrial Engineering
• Land Surveying and Mapping*
• Mechanical Engineering
  • Aerospace*

Master
• Graduate Certificates
  • Information Assurance and Security
  • Digital Forensics
• Civil Engineering
  • Structural Engineering
  • Construction Engineering
  • Geotechnical Engineering
  • Resources and Water Treatments
• Computer Engineering
• Computer Science
  • Security Management and Computer Technology
  • Knowledge Extraction and Data Mining
  • Graphics and Game Technology

• Geospatial Science and Technology
• Electrical Engineering
  • Power Systems and Renewable Energy
• Manufacturing Competitiveness
  • Pharmaceutical Products
  • Quality Management
• Manufacturing Engineering
  • Pharmaceutical Processes
  • Industrial Automation
  • Quality Management
• Mechanical Engineering
Doctorate
• Engineering and Applied Sciences (Ph. D.)

School of Management and Entrepreneurship

Bachelor
• Business Administration
  • Accounting  • Entrepreneurship  • Marketing
  • General Management  • Construction Management

Master
• Business Administration
  • International Business Management
  • Data Base
  • General Management  • Ecommerce
• Engineering Management
  • Manufacturing Management  • Public Management
  • Construction Management  • Environmental Management
• Environmental Management

*These programs are one of a kind in Puerto Rico and the Caribbean.

our achievements

• The nonprofit organization *Excelencia in Education* recognized the University as one of the 25 most important educational institutions and #1 in graduate programs for Hispanics in the United States in the areas of Science, Technology, Engineering and Mathematics (STEM).
• License conferred by the *Consejo de Educación de Puerto Rico* (CEPR).
• Recognized by the *Council of Graduate Schools* (CGS).
• Accredited by the *Middle States Commission on Higher Education* (MSCHE).
• Recognized as the only *National Center of Academic Excellence in Cyber Defense Education* (CAE/CDE) in Puerto Rico and the Caribbean for the second time in a row and one of only 100 in all of the United States and its territories; conferred by the *National Security Agency* (NSA) and the *Department of Homeland Security* (DHS).
As part of our curriculum, we provide CAPSTONE design projects, a final work where students have to apply what they have learned throughout their studies to create something that contributes to the community. The students annually generate about 150 different CAPSTONE design projects, most of them being successfully applied into a real-life scenario around the Island.
Maunabo Tunnels. Designed to protect the ecological environment connecting the municipalities of Yabucoa and Maunabo.

Nano satellite. A satellite built to study climate changes in the area.

Rocket Guänin I USLI. The first high-power university-level rocket successfully launched that incorporates advanced navigation systems and atmospheric data collection.

The crossing to the Virgencita. Designed for traffic control and flood prevention.

Megastore project (Chain Store). Designed for energy conservation in the stores.
NAVSEA. Students worked with the design of landmine detectors for Naval Systems Command (NAVSEA).

Formula 1 Car. The first full power electric Formula 1 car built by university students in the Caribbean.

Concrete Canoe. Students designed a unique canoe forged with insulated floatable concrete.

our facilities

The college experience plays an integral part in an individual’s development. Our students have a place where they can connect with other students, be part of a comfortable educational environment and excel at their best capacities.

- Library
- Auditorium
- Classrooms with state-of-the-art technology

Modern Student Residences

Our facilities include:
- 24/7 Security
- Wi-fi
- Laundry Room
- Cable TV
- Study areas
- Recreational areas
- Fully furnished
- Parking space

Sport Facilities

We have an indoor basketball court and a gym. The disciplines that represent our institution are:
- Basketball (male)
- Weightlifting (female and male)
- Judo (female and male)
- Track and Field (female and male)
- Taekwondo (female and male)
- Table Tennis (female)
- Volleyball [Beach Volleyball] (female and male)

Laboratories

Numerous laboratories equipped with the highest technology:

Engineering Laboratories

Mechanical Engineering Laboratories

Multiple areas of practice for the students, including a wind tunnel that allows students to determine the forces acting on a model to improve it, helicopter turbine nozzles and a station. The Aerospace Laboratory holds the only full-motion flight simulator - MOTUS622i - in all of Puerto Rico and the Caribbean.
Biomedical Engineering Laboratories
We have laboratories that provide students with hands-on experience on important areas such as Computer Aided Design, Computer Programming, Biomechanics, Biosystem Circuits and Electronics, and Rehabilitation and Industrial Automation Laboratories.

Industrial Engineering Laboratories
The only university with a Lean Six-Sigma Black Belt laboratory and other laboratories in areas such as: Work Measurement, Quality Systems and Continuous Improvement, Information Systems and Databases, Process Simulation and Operations Management.

Chemical Engineering Laboratories
An Operations Unit Laboratory that includes experiments in fluid mechanics, heat transfer analysis and reactor design.

Land Surveying and Mapping Laboratory
A laboratory that includes the latest technology such as high precision GPS, handheld GPS units, among others.

Computer Science Laboratories
The most complete laboratories for experimentation, including: Logic Circuits, Robotics Engineering, Computer Networks and Programming Laboratory, Turing Laboratory and High Performance Computing.

Plasma Laboratory
The only one in Puerto Rico and the Caribbean. This laboratory is equipped with an Electron-Cyclotron Resonance Reactor (ECRR) that allows you to create plasma by confining magnetic fields and heating up particles. NASA, other universities and several companies continually use the laboratory for their studies.

Manufacturing, Construction and Materials Laboratories
Laboratories with the highest construction technology; these labs are used by government agencies and private companies to test construction materials.

Architecture Laboratories
Architectural Conservation Laboratory
Dedicated to the study, research and documentation of concrete in PR in the first half of the twentieth century.

City Lab
A research workshop organized vertically around a theme/city.

DO.CO.MO.MO
Hosts the Puerto Rican chapter of this international organization dedicated to the study and protection of architectural heritage.

Electrical Engineering Laboratories

Urbanism and Housing
Organized by the ArqPoli Chapter of the American Institute of Architecture Students to address current issues around the area.

Other laboratories
- Photography Courses Lab
- Sequence course in Digital Representation Lab
- Cyber Digital Forensics Investigation Laboratory (CDFIL)
CPU – Centro de Progreso Universitario
The CPU uses different methodologies to provide tutoring for the students who need it. The student receives this service in small groups in which, in addition to answering their questions, they learn to develop or strengthen their teamwork skills and study habits.

PES – Dual program of high school to undergraduate studies
It helps potential students enroll in pre-university courses, which can then be validated at the university level, and also reinforces aspects of the area that are not offered at their school or reinforces those necessary to pursue what interests them.

Dual program of undergraduate to graduate studies
Helps undergraduate students enroll in graduate courses, so they can immerse themselves into the next degree level and advance in their studies.

Athletic Programs (sports), Visual Arts, among others
We have elective courses directed to provide the students with extra curricular activities that can help develop other skills throughout their academic experience. Within our athletic programs, we offer a variety of sports, such as: table tennis, basketball, track and field, tennis and volleyball. Our facilities include a basketball court, a gymnasium and we even have a mascot: the Beaver.

CPET – Center for Professional Education and Training
The office provides professional and technical courses for anyone who wishes to continue gathering knowledge in areas like Project Management, Business Management and Environmental Management.

Guidance and Counseling
This office is responsible for promoting the optimum development of the students during their learning process from the day they are admitted until the completion of their studies.

Financial Aid
We provide economic aid to eligible students. There are a variety of grants and loans, including: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work-Study Program, State Aid and Student Loans.

Veteran’s Affairs Office
We grant the necessary services to assists and counsel veterans on campus. This includes processing educational benefit forms, such as enrollment certifications, and advising students on procedures pertaining to their educational benefits.

Alumni Association
The office was created to establish a link between alumni and the University through constant communication, offering a variety of opportunities for members of this association.

Sport grants
We provide economic aid to eligible athletes in different sport disciplines.

CEPA – Centro Educativo de Progreso Académico
The office offers a program of continuing education and professional development activities including short courses, workshops and technical seminars, as well as professional certifications.
Career and Internship Services Program

The main objective of the office is to facilitate the integration of the student’s academic education into the workplace and offers different job opportunities, while the student continues pursuing their academic degree.

Some Registered Companies and Alliances:

- AAA (Autoridad de Acueductos y Alcantarillados)
- Air Force
- Coopervision Caribbean
- Departamento de Justicia de Puerto Rico
- Departamento de Recursos Naturales de Puerto Rico
- DIRECTV
- Evertec
- FDA
- GE Corporate
- Hewlett-Packard
- Honeywell
- Johnson & Johnson
- Ethicon
- Liberty
- Lockheed Martin
- Mars Caribbean
- Microsoft
- Navsea
- PepsiCo
- Pfizer
- Puma Energy
- Total Petroleum
- Triple S
- Unilever
- Walgreens
- Walmart

ourglobalties

Part of our mission is to internationalize our academics, thus we seek different agreements and programs in order for the student to be part of an excellent international experience and create academic and professional ties all across the globe.

- Language courses
- Semesters abroad
- Internships
- Exchanges
We encourage collaboration with universities in other countries in order to enrich the college experience and the quest for knowledge through partnerships with every university under the National Student Exchange (NSE) in the United States and Canada. We also work with other universities outside of the partnership in Europe, North America and South America.

Yearly, we receive students from all around the world seeking to grow their knowledge in a university outside of home, with students coming from Guatemala, Colombia, Spain, United States, Chile, Dominican Republic, Peru, Colombia, Argentina and Panama.

Every day we search for new horizons and new opportunities. The future brings so much more for everyone:

The internationalization of our university with more alliances and international agreements that benefit the academic and professional growth of our students.

A search for innovation in key areas such as Health, starting with our new bachelor’s program of Science in Biomedical Engineering.

A transition to more accessible education with the majority of our programs offering 100% online classes and also opportunities for high school students to take university courses and start their path toward higher education with our Programa Especial de Escuela Superior (PES).

A transformation of our campus with modern student residences and a continuous evolution to a highly eco-friendly campus.

Half a century of educating with innovative academic programs, world-class faculty and cutting-edge technology, but our vision of progress will never cease. If you want to be part of our future, we created the Development and Scholarship Fund, a program focused on providing a professional future with partial scholarships, resources and tools to develop their career and make a difference, which will result in great achievements in the future of our students and all of Puerto Rico.

The future starts in Universidad Politécnica.