

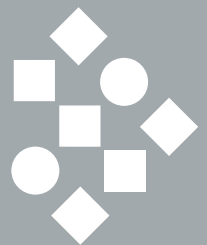
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CIVIL ENGI- NEER- ING



UNIBE

SCHOOL OF
CIVIL ENGINEERING



**PROGRAM LENGTH:
4 YEARS**

GENERAL DESCRIPTION AND GRADUATE PROFILE

Civil Engineering encompasses the coordination, analysis, design, construction, operation and maintenance of buildings, roads, dams, bridges, canals and other structures. Due to the great need to continue developing our society and its infrastructure, the demand for civil engineers has never been greater throughout our country and across the world. In response, the UNIBE School of Civil Engineering's mission is to train civil engineers of international stature, developing skills which allow them to lead the changes in economic, social and political terms required in their surrounding communities, based on professional ethics, social responsibility and care for the environment.

SCHOLARLY CONCENTRATIONS

- Structural Engineering
- Geotechnical Engineering
- Environmental Engineering
- Financial Engineering
- Project Management
- Research

DUAL DEGREE

Ours is the only Civil Engineering program in the Dominican Republic offering a Dual Degree with a North American university, which grants its graduates the opportunity to take the Professional Engineer Exam (PEE), an evaluation required to practice Engineering in the United States. This exam can only be taken by those who hold a degree from an accredited university, in our case FIU and WMU.





JOB MARKET

An UNIBE School of Civil Engineering graduate...

Will be able to conceive, design, build, supervise, operate and rehabilitate civil infrastructure projects, with low environmental impact, great critical sense and broad vision to identify and adapt to changes and new technologies in multidisciplinary environments. Graduates can pursue various areas such as:

Roads ♦ Railways ♦ Bridges ♦ Canals ♦ Dams ♦ Ports ♦ Aqueducts ♦ Sewers
♦ Airports ♦ Buildings and other related constructions

DISTINGUISHING ATTRIBUTES



01 **PRESTO Laboratory**

The only laboratory in the Dominican Republic and the Caribbean, of the project management software most used in Spanish-speaking countries worldwide (PRESTO).

02 **Project Management Concentration, based on the PMBOK®**

Graduates of this concentration become members of the PMI chapter of the Dominican Republic. This membership is valid worldwide.

03 **Green Roof Lab**

Only one of its kind in the Dominican Republic.

04 **Capstone Project**

An interdisciplinary integrator project methodology, such as that used in the United States, by which, through analysis and infrastructure designs, students formulate a solution to social and/or economic issues in the country. They must then present and support their premise.

05 **Grade “A” Classification by the MESCyT (Ministry of Higher Education, Science & Technology)**

Maximum qualification granted by the special regulations that govern Engineering in the Dominican Republic.

DISTINGUISHING ATTRIBUTES

06 **Modern Laboratories**

Featuring state-of-the-art technology and services soon-to-be available to the business community.

07 **International Agreements**

Affiliations with 16 universities in 9 countries, for student mobility in Civil Engineering.

08 **Internship Program**

Placements available in the main construction companies of the country, providing networking and potential job opportunities

09 **Faculty Members**

Academically trained with Master's Degrees, Ph.D.; experienced specialists and practicing field professionals.

10 **EERI (Earthquake Engineering Research Institute) UNIBE Students Chapter**

Experimental station to measure seismic accelerations.

11 **Entrepreneurial Professionals**

30% of our graduates explore an entrepreneurial venture between year 1 and 5 of their professional careers.

12 **Accessible Engineering Program**

Only one of its kind in the Dominican Republic.

13 **Updated Program of Study**

Two student practices and two professional internships, along with program-specific courses, are all part of the student's first year, paving paths towards earlier insertion into the job market.



LATEST PROJECTS

1ST PLACE

In the research topics presentation competition at COLEIC (Latin American Congress of Civil Engineering Students), Bogota, Colombia, October 2019.

■ Participation in the Seismic Design Competition (SDC 2020) in San Diego, California.

■ Concrete Canoe competitions, Wooden Stick Bridges competitions, scale models of wooden structures.

GET TO KNOW OUR GRADUATES

Meet a few of our many graduates who have excelled in their field:



Shamir Gabriel Perez Sarraff, C.E.

2014 **Cum Laude graduate of the UNIBE Civil Engineering program.** Offspring of Civil Engineer parents.

He has worked in both the private and public sectors:

Resident Engineer at **OPRET** (Office of Transportation Reorganization) during the construction of several stations of the Santo Domingo Metro. He then went on to work for his family's construction company, **PS Constructora.**

He studied his Master's Degree at **Columbia University, an Ivy League school,** in "Construction Management and Engineering."

He is currently working for Terminal Construction Corporation, as an "Office Engineer" building the two largest public schools in New Jersey.

GET TO KNOW OUR GRADUATES



Liliana M. Páez, C.E.

Graduate of the UNIBE Civil Engineering program, with a **Master's Degree in Project Management** from the Florida Institute of Technology (FIT).

Liliana has worked on various projects for the Constructora del País (CODELPA) company, such as the **Dreams Macao resorts; IFA, Bavaro Coast; and Ocean El Faro.**

She is currently part of the **Hubbard Construction Company (HCC) team**, with such work highlights as Virgin Trains Brightline VMF, the high-speed train within the Orlando International Airport in Florida, as well as several projects for the **Disney World Resorts and Parks Division WDI.**

ADMISSION REQUIREMENTS

- Complete Admissions Form, 100% ONLINE
- Certificate of National Tests (for students who have completed High School in the Dominican Republic)
- High School Diploma
- Official High School Transcripts
- Legalized Birth Certificate
- Medical Certificate
- Four (04) 2x2 Photos
- Certificate of Non-Delinquency (issued by the authorities of the country where you have resided the past two years)
- Copy of Dominican ID Card (cédula). If you are a foreigner, provide a copy of your passport.

ADDITIONAL INFORMATION

<https://www.unibe.edu.do/admisiones/>

<https://www.unibe.edu.do/programa/ingenieria-civil/>

<https://www.unibe.edu.do/files/Pensum-Ing-Civil-UNIBE.pdf>

<https://www.youtube.com/watch?v=4vCuSmiKSTQ&t=818s>

School Email contact:
f.garcia4@unibe.edu.do

WhatsApp:
(809) 722 - 4017
(829) 292 - 7270