



**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE

# BACHELOR OF SCIENCE DEGREE IN ELECTRICAL ENGINEERING



Engineering  
Technology  
Accreditation  
Commission

Website

[www.caribbean.edu](http://www.caribbean.edu)





**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE

# BACHELOR OF SCIENCE DEGREE IN ELECTRICAL ENGINEERING

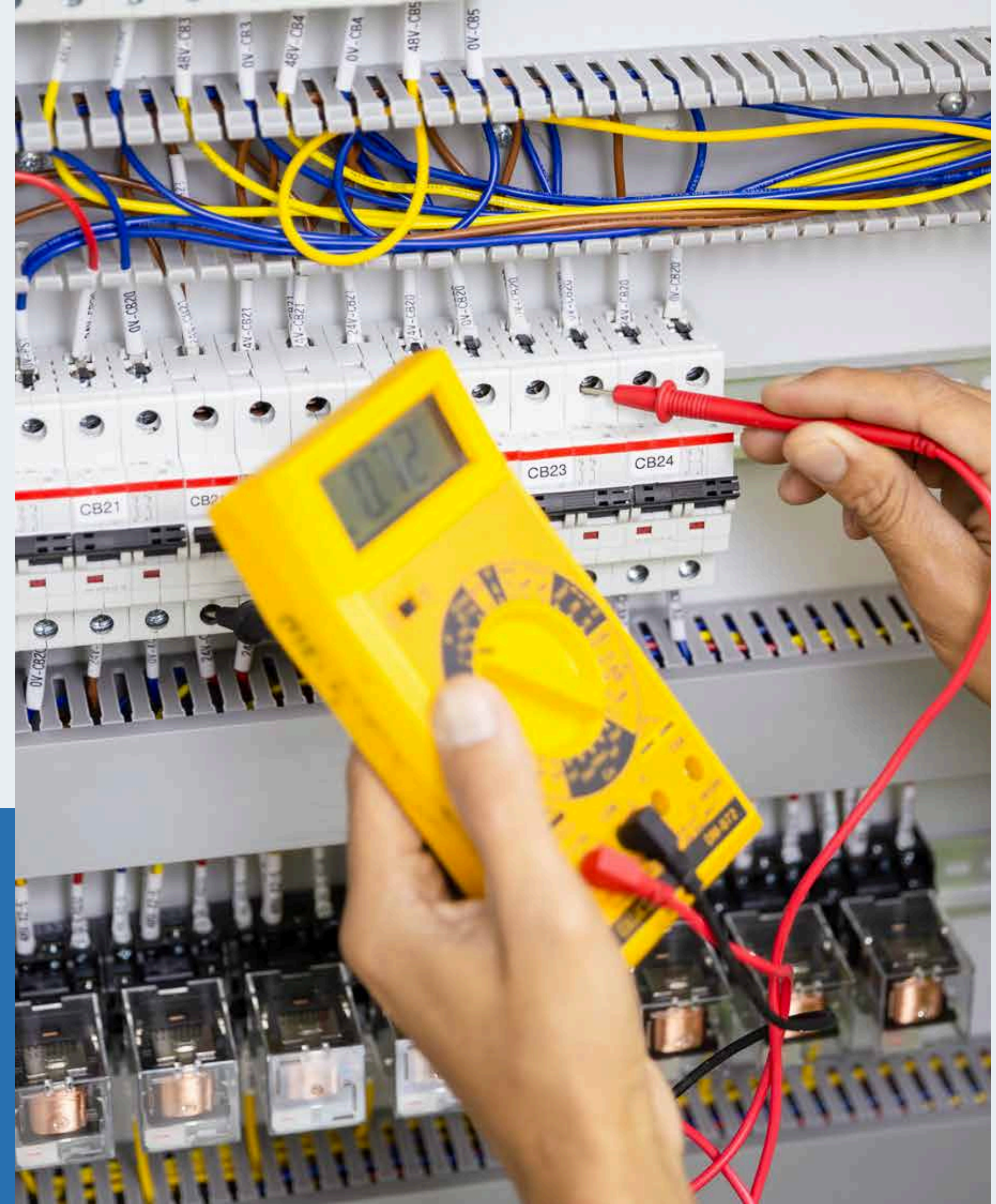
The electrical engineer studies, designs and monitors systems and / or equipment in the areas of power, communications, controls, and computers to make community engineering works to meet its needs in an ethical, sustainable, and cost-effective manner.

The Bachelor of Science in Electrical Engineering has four areas of emphasis:

- Power systems
- Communications
- Control systems
- Computers



Engineering  
Technology  
Accreditation  
Commission





## MISSION

Electrical Engineering joins the mission of the university, which is committed to the principle of accessibility with the most disadvantaged, comprehensiveness in its offerings, and adaptability to satisfy the needs of the community served. The Institution is also committed to the development of intellect and social ethics. In addition, it accepts the responsibility of fostering among its students respect for human dignity and their personal commitment towards improving society.



Engineering  
Technology  
Accreditation  
Commission



# PROGRAM EDUCATIONAL OBJECTIVES

A few years after graduation, graduates of the bachelor of sciences in Electrical Engineering from Caribbean University will:

- Demonstrate their knowledge and depth of understanding for the analysis and design principles of electrical and electronic systems.
- Analyze, design and manage EE projects by considering, safety standards, codes, regulations, resource optimization, costs, available modern technology within environmental, economic, social and political constraints.
- Communicate effectively, oral and written, in both English and Spanish, and work in diverse, global and multidisciplinary environments.
- Able to adapt to technological and social changes to remain relevant to their EE profession. Program Educational Objectives



## STUDENT OUTCOMES

It is expected that by the time of graduation, our students will have:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts





**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE



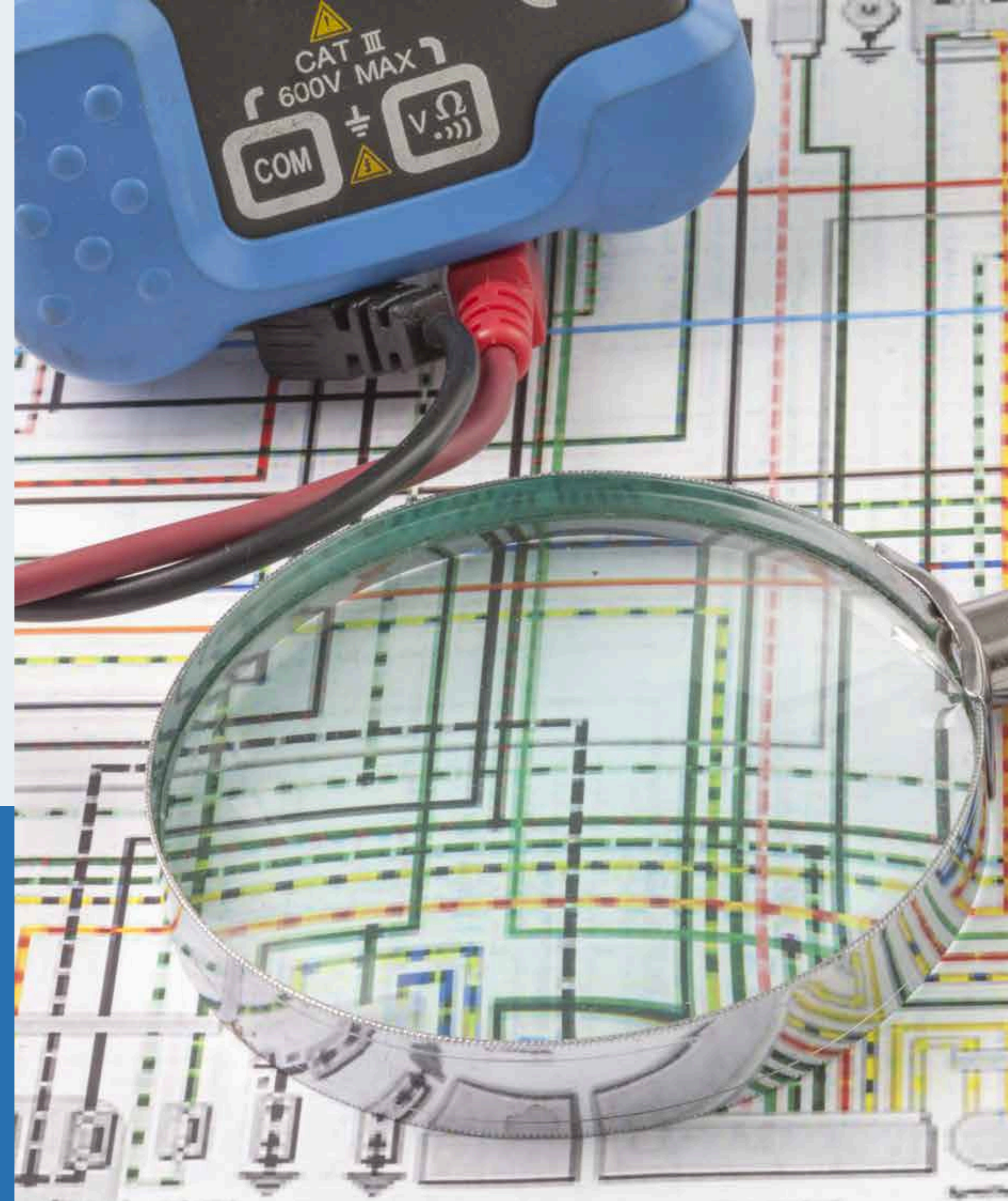
Engineering  
Technology  
Accreditation  
Commission

## STUDENT OUTCOMES

- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies



- **Annual Student Enrollment and Graduation Data**
  - [http://caribbean.edu/wp-content/uploads/2026/06/260609\\_Divulgacion\\_Ingenieria\\_BS\\_E.Electrica-1.pdf](http://caribbean.edu/wp-content/uploads/2026/06/260609_Divulgacion_Ingenieria_BS_E.Electrica-1.pdf)
- **Curriculum**
  - Link: [Catalogo\\_Subgraduado](#)
- **Sequential Curriculum**
  - Link: <https://caribbean.edu/wp-content/uploads/2026/04/BA-Electrica.pdf>
- **Catalog**
  - Link: [Catalogo\\_Subgraduado](#)
- **Admission**
  - Link: [Solicitud subgraduado – Caribbean University](#)
- **Costs**
  - Link: [Net Price Calculator](#)





**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE

## EMPLOYMENT OPPORTUNITIES

Once finish the bachelor degree of science in Electrical Engineering, the graduate can get a job in a company pursuing generation systems, design companies o service agencies. In addition, after get the professional engineer license (PE), graduates can develop their own design or consulting company.



Engineering  
Technology  
Accreditation  
Commission



## FACULTY (\*FULL-TIME FACULTY)

The Faculty from the electrical engineering program is compromised with the education of our students. The priority of the program is to provide the best tools to our students in order to prepare them to both, solve the typical problems that an engineer will face during their firsts working years and to continuous learning through their professional career.

**Dr. Ramón Vásquez**

Field of interest: Communications, Control Systems

[ravazquez@caribbean.edu](mailto:ravazquez@caribbean.edu)

**Dr. Marcos Acosta**

Field of interest: Power Systems  
[maacosta@caribbean.edu](mailto:maacosta@caribbean.edu)

**\*Prof. Angie Cordoba**

Field of interest: Computers  
[acordoba@caribbean.edu](mailto:acordoba@caribbean.edu)

**Prof. Juan C. Martínez**

Field of interest: Electronics, Automation  
[jmartinez@caribbean.edu](mailto:jmartinez@caribbean.edu)

**Prof. Eli Mateo**

Field of interest: Power Systems and Nano Materials

[emateo@caribbean.edu](mailto:emateo@caribbean.edu)

**Prof. Victor M. Irizarry**

Field of interest: Electronics and Power Systems

[virizarry@caribbean.edu](mailto:virizarry@caribbean.edu)

**Prof. Luis N. Alicea**

Field of interest: Power Systems  
[lalicea@caribbean.edu](mailto:lalicea@caribbean.edu)

**Prof. Miguel Rivera**

Field of interest: Power and Control Systems

[mrivera@caribbean.edu](mailto:mrivera@caribbean.edu)





**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE



Engineering  
Technology  
Accreditation  
Commission

## CONTACTS

**Dr. Ramón Vásquez**

[ravazquez@caribbean.edu](mailto:ravazquez@caribbean.edu)

787-780-0070 Ext. 4163

Director – Department of Engineering and  
Informatics Technology





**CARIBBEAN**  
**UNIVERSITY**  
BAYAMÓN • VEGA BAJA • CAROLINA • PONCE

# EVENTS AND CALENDAR

Events and news related to the program.



Engineering  
Technology  
Accreditation  
Commission



# STUDENT ASSOCIATIONS

**Engineering Student Association of Caribbean University  
(AEICU)**

**It will allow access to an authorized web site of the  
association.**



Engineering  
Technology  
Accreditation  
Commission

