



CARIBBEAN
UNIVERSITY

BAYAMÓN • VEGA BAJA • CAROLINA • PONCE

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Website

www.caribbean.edu

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

The industrial engineer integrates personnel, machinery and materials for increased efficiency in manufacturing and service industries to provide the community with goods or services that meet its needs in an ethical and sustainable manner. The courses include an educational program of technical depth and breadth as well as a broad liberal education.

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

- Facilities planning and design
- Production systems
- Quality control
- Work measurement and design



MISSION

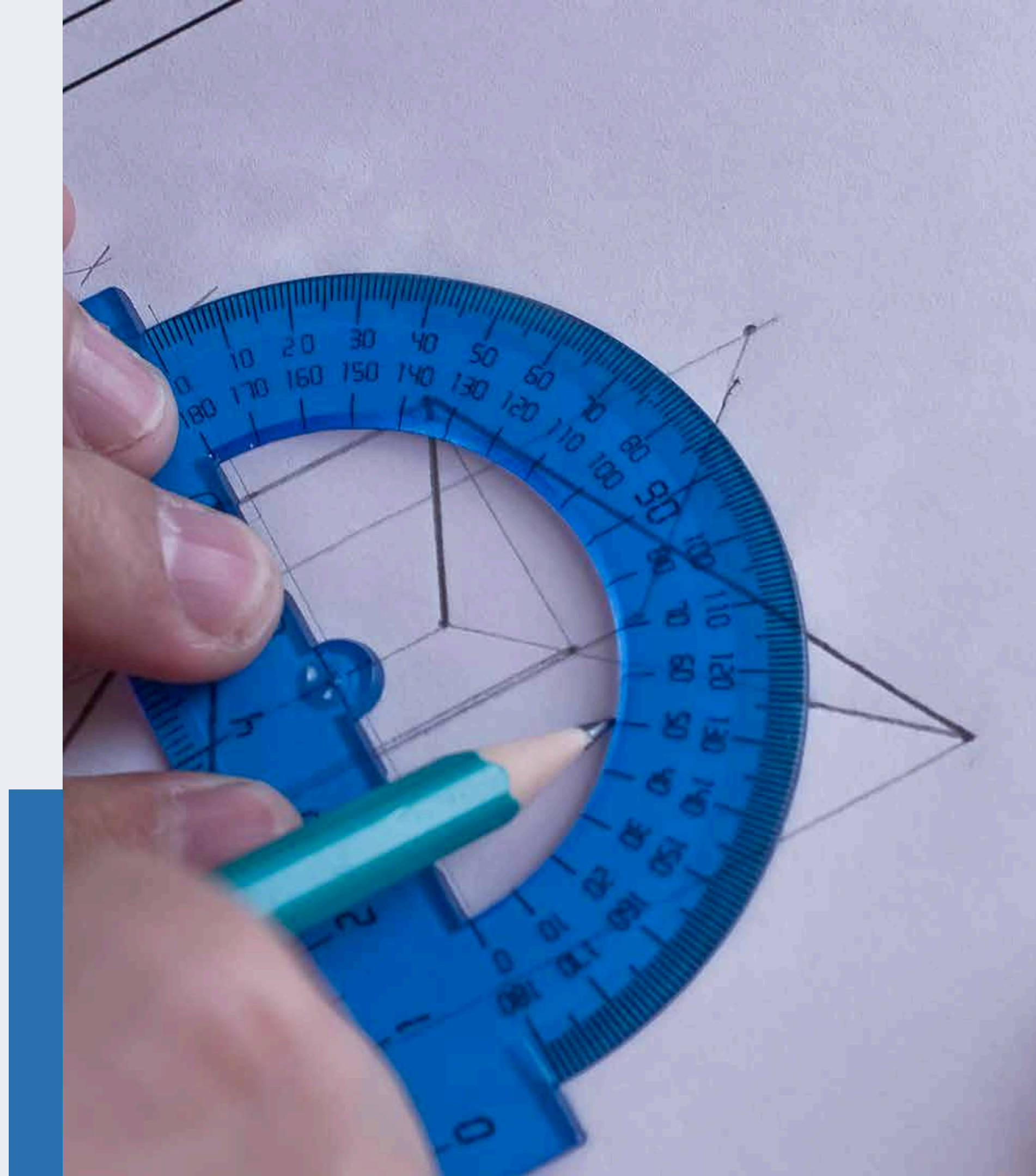
Industrial Engineering joins the mission of the university, which is committed to the principle of accessibility with the most disadvantaged, comprehensiveness in its offerings, and adaptability to satisfy the needs of the community served. The Institution is also committed to the development of intellect 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.



PROGRAM EDUCATIONAL OBJECTIVES

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

- Demonstrate their knowledge and depth of understanding of IE analysis and system design principles in engineering practice.
- Able to design, develop, implement and improve integrated systems, processes or components that may include people, materials, information, and equipment with the highest social and environmental ethical standards.
- Communicate effectively, oral and written, in both English and Spanish, and work in diverse, global and multidisciplinary teams.
- Extend their learning process through lifelong professional development or other graduate education.



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

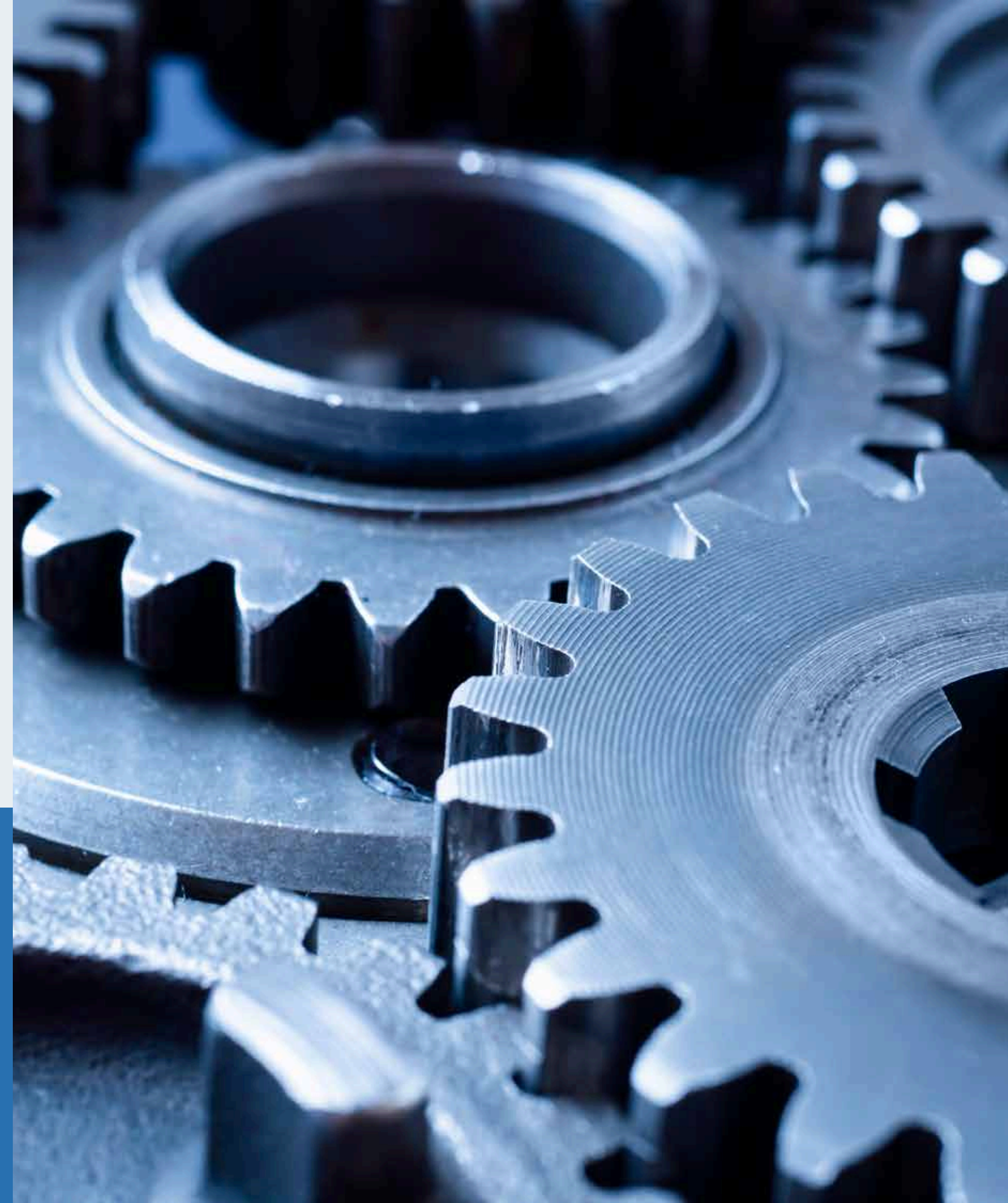


STUDENT OUTCOMES

- 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**
 -
- **Curriculum**
 - Link: [Catalogo_Subgraduado](#)
- **Sequential Curriculum**
 - Link: <https://caribbean.edu/wp-content/uploads/2025/12/bachillerato-ing-industrial.pdf>
- **Catalog**
 - Link: [Catalogo_Subgraduado](#)
- **Admission**
 - Link: [Solicitud subgraduado – Caribbean University](#)
- **Costs**
 - Link: [Net Price Calculator](#)



EMPLOYMENT OPPORTUNITIES

Once finish the Bachelor of Science in Industrial Engineering, the graduates can be employed in manufacturing companies, services companies, design office, governmental agencies, and/or pursuing a graduate degree. In addition, after get the professional engineer license (PE), graduates can develop their own design or consulting company.



FACULTY (*FULL-TIME FACULTY)

Faculty of the program of Industrial Engineering is compromised with the education of their students. The priority of the program is to provide the best tools to our students in order to prepare them to solve typical problems that an industrial engineer will face during their first working years and to continuous learning along the professional career.

Prof. Carlos Dominguez

Field of interest: Manufacturing and continuous improvement

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Director – Department of Engineering and
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EVENTS AND CALENDAR

Events and news related to the program.



STUDENT ASSOCIATIONS

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

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

