

Faculty of
**Natural Sciences and
Mathematics**

Logistics and Transportation Engineering

RPC-SO-21-No.436-2020



Bachelor of Science in

Logistics and Transportation Engineering



Applicant Profile

Best suited for students with:

- ▶ Critical thinking skills
- ▶ Analytical skills
- ▶ Aptitude for logical and abstract thinking
- ▶ An interest in working with computing and programming environments



Employability

Upon graduation, students may pursue professional opportunities within local, international, and government organizations in the following areas:

- ▶ Logistics
- ▶ Warehousing
- ▶ Distribution Operations
- ▶ Supply Chain Management
- ▶ Transportation and Mobility
- ▶ Process Optimization



Professional Skills

After four years of study, students will be able to design, model, and manage processes using computational tools to improve supply chain efficiency and optimize resources within national and international organizations. They will also be prepared to lead multidisciplinary teams.



In fact...

The ESPOL Logistics and Transportation Engineer receives a strong foundation in Optimization, Transportation, Logistics, and Statistics.



LEARN MORE



Curriculum

N 100 - I	ARTS, SPORTS AND LANGUAGES ELECTIVE COURSES	SINGLE VARIABLE CALCULUS	PHYSICS: MECHANICS	PROBLEM SOLVING	PROGRAMMING FUNDAMENTALS	ENGLISH I
N 100 - II	LINEAR ALGEBRA	VECTOR CALCULUS	MULTIMODAL TRANSPORTATION	DISCRETE MATHEMATICS	HUMANITIES ELECTIVE COURSES	ENGLISH II
N 200 - I	DIFFERENTIAL EQUATIONS	LINEAR OPTIMIZATION	STATISTICS I	LOGISTICS I	COMMUNICATION	ENGLISH III
N 200 - II	NUMERICAL OPTIMIZATION	COMBINATORIAL OPTIMIZATION	STATISTICS II	LOGISTICS II	TRANSPORTATION SYSTEMS	ENGLISH IV
N 300 - I	MATHEMATICAL SIMULATION	NON-LINEAR AND STOCHASTIC OPTIMIZATION	SAMPLING AND MULTIVARIATE ANALYSIS		ENTREPRENEURSHIP AND INNOVATION	ENGLISH V
N 300 - II	URBAN TRANSPORT	STORAGE AND PROCUREMENT MANAGEMENT	TIME SERIES	TRANSPORTATION MODELING		COMMUNITY SERVICE INTERNSHIPS
N 400 - I	TRAFFIC ENGINEERING		LOGISTICS BUDGETS AND PROJECTS	METAHEURISTICS	SUSTAINABILITY SCIENCE	SELECTED ELECTIVE COURSE
N 400 - II			MANAGEMENT SKILLS DEVELOPMENT	INFORMATION SYSTEMS APPLIED TO LOGISTICS	LOGISTICS AND TRANSPORTATION CAPSTONE COURSE	SELECTED ELECTIVE COURSE
						PRE-PROFESSIONAL BUSINESS INTERNSHIPS



Program Accreditation



Did you know?

Improving the competitiveness of businesses and the country is one of the many contributions a Logistics and Transportation Engineer can make throughout a professional career. This is made possible through a strong foundation in integrated logistics, operations management, and process and transportation optimization.

www.fcnm.espol.edu.ec

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International Relations

Through its External Relations Office, ESPOL promotes and develops partnerships with international cooperation organizations, academic institutions, and research centers. These partnerships create mobility opportunities for the entire ESPOL community and contribute to the excellence that distinguishes the institution.

More than 226 international agreements allow students to participate in experiences abroad, including semester or year-long exchange programs, pre-professional internships, research placements, and participation in conferences, competitions, and other academic activities.

163
universities
around the world

