Mechanical Engineering and Production Sciences

BROOKFIELD

TEXTURÓMETRO

Food Engineering Program

RPC-SO-20-No.422-2020

espol

Bachelor of Science in Food Engineering



Applicant Profile

If you want to innovate in the food sector, are committed to society and productive development, and consider yourself proactive, perseverant, entrepreneurial, and passionate about science and technology, this program is made for you.



Professional Skills

After 4 years of study, you will be able to contribute to the food industry by designing, controlling, and improving food processes. Our graduates apply science and engineering to develop safe, sustainable, and innovative food products.



Employability

Our graduates work in companies involved in the production of food for human and animal consumption, as well as in organizations that supply the food industry. They also develop independent careers through consulting and advisory services, and often join public institutions.

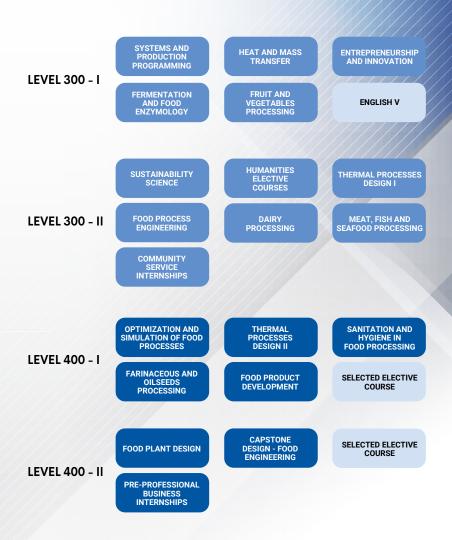
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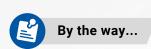
Many capstone projects are carried out in collaboration with industry, solving real-world problems. This connection has allowed students to secure employment opportunities within these companies.

Additionally, capstone projects may address research topics related to the development and advancement of the food sector.

Curriculum Structure

LEVEL 100 - I	PROBLEM SOLVING	SINGLE VARIABLE CALCULUS	PHYSICS: MECHANICS
	GENERAL CHEMISTRY	ARTS, SPORTS AND LANGUAGES ELECTIVE COURSES	ENGLISH I
LEVEL 100 - II	PROGRAMMING FUNDAMENTALS	VECTOR CALCULUS	THERMOFLUIDS
	GENERAL BIOLOGY	ORGANIC CHEMISTRY	ENGLISH II
LEVEL 200 - I	STATISTICS	DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA	COMMUNICATION
	FOOD MICROBIOLOGY	FOOD CHEMISTRY	ENGLISH III
LEVEL 200 - II	QUALITY CONTROL AND SENSORY EVALUATION OF FOOD	FUNDAMENTALS OF FOOD ENGINEERING	FLUID RHEOLOGY
	FOOD SAFETY	FOOD BIOCHEMISTRY	FOOD ANALYSIS
	ENGLISH IV		



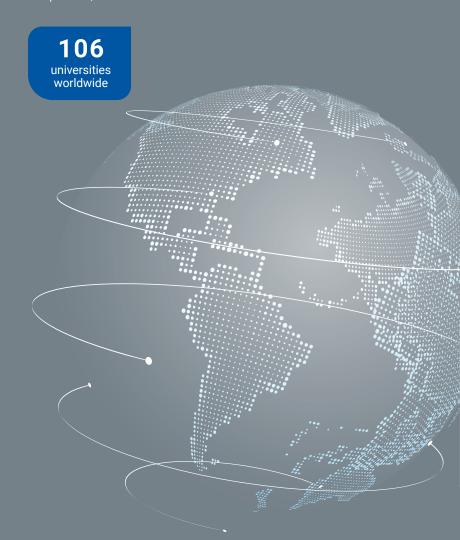


Food engineers have the versatility to pursue various areas of specialization, including process management, food safety, and food science, through research aimed at generating solutions to current challenges.



ESPOL, through its Office of International Relations, creates and strengthens ties with international cooperation agencies and academic institutions. These connections generate mobility opportunities for the entire ESPOL community and contribute to the academic excellence that defines us.

More than 165 agreements allow our students to participate in semester or annual exchanges, professional internships, research stays, conferences, competitions, and other academic activities.



Accredited Program









Did you know?

This program is part of the Top 10 programs of the Future, with professionals expected to be in high demand worldwide.

We train engineers with experience in designing, developing, preserving, processing, packaging, distributing, and utilizing safe, nutritious foods with pleasant sensory characteristics.

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