


AGRO, FOOD & ENVIRONMENTAL ENGINEERING (i-SAFE)

PLUS D'INFORMATIONS :



 Rouen

 English

CONTENT & GOALS

This programme, unique in France, benefits from innovative teaching methods and multicultural classes and responds to French and global issues from the point of view of agriculture and the food and non-food processing industry.

It also provides a response to the challenges of ecological and social transition within companies and society.

As a true window on the world, you will develop skills and knowledge to find solutions adapted to each territory.

DATES OF THE PROGRAMME

1st semester : September to January
2nd semester: January to end of June/
Beginning of July
This programme is taught in English both during the Fall & Spring semester

PROGRAMME OVERVIEW*

FALL SEMESTER (2ND YEAR 1ST SEMESTER PROGRAMME – BSC LEVEL)

S3: AGRO, FOOD & ENVIRONMENTAL ENGINEERING (I-SAFE)	ECTS
TU 1 Responsible Engineer: Understanding life sciences to act sustainably – (including: Micro-organisms / Immunology / General microbiology : Bacteriology / Applied animal physiology 1 / Agronomy I : sol, climate)	5
TU 2 Responsible Engineer: Understanding life sciences to act sustainably (including: Chemical kinetics / Thermochemistry / Metabolic biochemistry and enzymology / Metabolic biochemistry and enzymology / Physiology of living organism (animal, vegetal, human))	6
TU 3 Data in a complex world: Finding, thinking, processing, producing (including: Database - SQL / Linear Algebra / Inferential Statistics / Population genetic)	5
TU 4 International Engineer (including: Language 1 : FLE**, German, Portuguese / Language 2: FLE**, Portuguese / Study Trip (The Netherlands - 5 days with visits)	6
TU 5 Unilasalle engineer in the world (including: Accounting / Normandie pour la paix / Sustainable Innovation Management / internship FeedBack)	5
TU 6 Building and projecting for a sustainable world - (including: IES / Professional project building / Sport / Weekly seminar)	3

PROGRAMME OVERVIEW*

SPRING SEMESTER (2ND YEAR 2ND SEMESTER PROGRAMME – BSC LEVEL)

S4: AGRO, FOOD & ENVIRONMENTAL ENGINEERING (I-SAFE)	ECTS
TU 1 Responsible Engineer: Understanding life sciences to act sustainably – (including: Fluid mechanics / Epistemology / Agro-Industrial Biochemistry / Molecular Biology)	6
TU 2 Responsible Engineer: Understanding life sciences to act sustainably (including: Physical thermodynamics / Microbiology : mycology & virology / Animal feeding : an introduction / Applied animal physiology 2 / Agronomy II / Ecosystem: How does it work ?)	5
TU 3 Data in a complex world: finding, thinking, processing, producing (including: Statistical Test practices / Account management / Practical Tests (R SoftWare) / GIS & Ecology / Application projet)	5
TU 4 - International Engineer: (including: Language 1 : FLE**, German, Portuguese / Language 2: FLE**, Portuguese / International agriculture)	4
TU 5 Unilasalle engineer in the world (including: Law and political sciences / Cross-cultural Studies / Agricultural policy / Rural Sociology)	7
TU 6 Building and projecting for a sustainable world (including: IES / Study trip (Valencia, Spain, local visits) / Sport / Weekly seminar)	3

PROGRAMME OVERVIEW*

SPRING SEMESTER (3RD YEAR 2ND SEMESTER PROGRAMME – BSC LEVEL)

S6: AGRO, FOOD & ENVIRONMENTAL ENGINEERING (I-SAFE)	ECTS
TU 1 Common Core – (including: Language, Crossculturality / Human ressources Management & law / Survey methodology / Business Game /Marketing & strategy / Management tools / Quality, Health, Safety and Environment (QHSE))	10
TU 2 Agronomy (including: Livestock management: rationing of domestic animals / Crop protection / Health and Welfare in livestock farming /Technical & economic management of livestock farming / Agropedological analysis / Environnemental analysis)	8
TU 3 Agro-Industry (including: Introduction to the Global sustainable Agi-food systems / Unit operation and process engineering / Material and energy balance / Food Microbiology / Agricultural Policies / Food quality control)	4
TU 4 International farm (including: Linear and no linear modeling / Experimental Design / Internet of Things - lot / Assessment of the sustainability of a farm)	8

