

Master of Science and Engineering in Environmental Science

ENGLISH
TAUGHT
PROGRAM

What sets Junia ISA's Environmental Science program apart is the hands-on approach to gaining technical expertise in the sustainable management of polluted sites. Our graduates are fully-operational executives and researchers in **sustainable pollution management**, thanks to substantive experience in the field and in an international context, both in France and other European countries.

active pedagogy

Our Environmental Science program is built on project-based learning, active teaching methods and learning-by-doing. With our hands-on approach and piecemeal training options, students gain real world experience and the power to decide how to build their own expertise.

LEARNING BY DOING

- Field trips, site visits & study tours
- Teaching and group projects supervised by professionals
- Innovation learning centers
- Flipped classrooms & serious games
- Co-design labs with partner schools

projects

Semester-long team projects are an integral part of the curriculum. One day a week is dedicated to group projects in collaboration with a professional expert, partner company, or research institute and supervised by a professor.

EXAMPLES OF PROJECTS

- Optimization of biological in situ degradation technologies on chlorinated solvents in saturated zone
- Application of the French national methodology for polluted sites management on a brownfield
- Development of a Proof of Concept Decision Support tool for Urban Sanitation in India

internships

Students spend 40% of the program immersed in real professional experience. These internships, carried out either in France or abroad, in a company or a laboratory, expose students to the reality of working in the field and on research, and prepare them for entry into the global workforce.

EXAMPLES OF INTERNSHIPS

- Use of natural substances as adsorbents for pollutant removal from discharge water
- Biodegradation of plastic in marine waters
- Application of phytoremediation in mine related rehabilitation works
- Assistant engineer in soil remediation company

they trust in us:



become a specialist

In the second year of the Master, students deepen their knowledge of the technical, scientific, economic and sociological aspects of managing polluted sites, as well as specialize in:

- **Sustainable Management of Pollution:** focusing on pollution treatment, remediation, rehabilitation, social management and economic evaluation of various commercial and industrial activities.

career prospects

With solid technical and managerial skills, Junia ISA graduates are prepared for the reality of the professional world even before they get their diploma, which is why **90% of Junia ISA alumni are employed within 6 months of graduating.**

Our more than 5,000 alumni work around the world, for some of the biggest names in agrofood, environmental management and agriculture, or join and create their own start-ups, thanks to the entrepreneurship cultivated at Junia ISA.

practical information

admission requirements

- Bachelor's Degree in Life Sciences (Agriculture, Food Science, Biology or any related field)
- English level certified by an official test: IELTS 6.0, TOEIC 785, TOEFL IBT 80
- French is not required for admission, but recommended

application procedure

Applicants should contact Junia at admission.international@junia.com and:

- Fill in the application form, available for download at isa-lille.com
- Have an individual interview (face-to-face or video conference)
- Application deadline: **May 15th, 2022**

financial aspects

Fees and other expenses

- Program Costs: €10,000/year*
- Living expenses in France: approx. €650/month
- Miscellaneous fees (insurance, visa...): approx. €500/year

Scholarships and financial aid

- ***Scholarships Available:** refer to your local French Embassy or Campus France office, or contact the Junia International Office
- Paid internships if carried out in France: min. €555/month
- French government housing allowance: approx. 90€/month

MASTER 1

		ECTS
Fall Semester	Welcome Session	6
	Environmental Pollutants	3
	Toxicology - Ecotoxicology	6
	Pollutant Behavior in Abiotic Matrices	3
	Field Study in Environment	6
	Waste Management	3
	French as a Foreign Language	3
Spring Semester	Introduction to Geographical Information Systems (GIS)	3
	Soil Quality Investigation - Consultancy Tools	3
	Field Study in Environment	6
	Biostatistics	3
	Human Risk Assessment	3
	Waste Water Management	3
	Water and Sediment Management	6
	Audit Practices	3
	French as a Foreign Language	3
Summer Internship	3-Month Internship in a lab, company or professional organization, Report + Oral Defense	6

MASTER 2

		ECTS
Fall Semester	Specialization: - Sustainable Management of Pollution	30
Spring Semester	End-of-study Internship: 6 months in a lab, company or professional organization Thesis Report + Oral Defense	30

Course details are subject to change, please visit junia.com/en/our-degree-programmes/ for the latest information

international student services

Dedicated support just for you

- Reservation of accommodation in a student residence
- Administrative procedures (visa, resident permit, etc.)
- Integration into student life (associations, activities, etc.)
- Welcome session: French language, intercultural communication, orientation week, and more.

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