

LaSalle[★]

Beauvais • Institut Polytechnique
Earth, Life and Environmental Sciences

Spring Semester in Water and Environmental Management

January 20 to May 13, 2016 – All courses are taught in English

Welcome to LaSalle Beauvais, a leading “Grande École” in Geosciences and Agriculture



Objectives



Current water challenges require an interdisciplinary approach. Through practical field work, international perspectives and innovative educational methods, students will better understand the interactions between environmental factors and anthropogenic activities.



CREDITS

Choose the number of credits required by your home institution from among the 30 ECTS credits offered + 2 ECTS credits for French as a Foreign Language course. *Careful: 2 European credits (ECTS credits) are equivalent to approximately 1 US credit.*

Tuition

- Erasmus students (from an Erasmus + partner university): tuition waived
- Exchange students (from a partner university/with a cooperation agreement): tuition waived
- Other students: €3,000+ €50 (non-refundable application fees)

Fees (2014 - 2015)

- Residence hall: €483/month for a single studio €260 for a shared studio
- Room insurance: €50/year
- Health insurance (compulsory for non-European students): ≈ €215/year
- Catering: ≈ €3,20/meal (breakfast is free)
- Local transportation/bus: €8 (monthly pass)
- Equipment to bring: lab coat, laptop, plug adaptor, fieldwork equipment (plastic boots, outdoor shoes, warm clothes, raincoat)
- 5-day-field trip in May : €300 (exchange or non-exchange student).

Admission requirements

Life, Agriculture, Geosciences or Environmental sciences: juniors, seniors or Master degree students from an accredited institution.
English: an advanced intermediate level is required: 750 TOEIC, 550 TOEFL paper (or 215 TOEFLcbt, 80 TOEFLibt), 6.5 IELTS.

Our LaSalle Beauvais campus

The scenic 25-acre campus, surrounded by 75 acres of private woodland, is located north of Beauvais. Students enjoy a full range of services: a dining hall, open 7 days a week, residence halls with web access, access to laundry facilities, a gymnasium, and a student center where you will meet the members of the student government and the different student organizations. Modern learning facilities include a library, and 150 computer stations, all open 7 days a week.



2016 Water and Environmental Management Program

JANUARY		FEBRUARY		MARCH		APRIL		MAY	
1		1		1		1	Holidays	1	Labor Day
2		2		2	Fluid mechanics applied to hydrogeology 2 ECTS	2		2	Water pollution and depollution 2 ECTS
3		3	Cross cultural communication 1 ECTS	3		3		3	
4		4		4		4	Flow and transports in groundwater 2 ECTS	4	Ascension Day
5		5		5		5		5	
6		6		6		6		6	
7		7		7	Aquatic chemistry 2 ECTS	7		7	V Day
8		8		8		8		8	
9		9	Water policy and governance 2 ECTS	9		9		9	Field trip 2 ECTS
10		10		10		10		10	
11		11		11		11	Ecological engineering applied to water management 2 ECTS	11	
12		12		12		12		12	
13		13		13		13		13	
14		14		14	GIS applied to hydrology 2 ECTS	14		14	
15		15		15		15		15	
16		16	Surface hydrology 2 ECTS	16		16		16	Whit Monday
17		17		17		17		17	
18		18		18		18	Water quality management across agroecosystems 2 ECTS	18	
19		19		19		19		19	
20	Welcome day	20		20		20		20	
21	Logistical and administrative issues	21		21	Soil hydrogeochemistry 2 ECTS	21		21	
22		22	Hydrogeology 2 ECTS	22		22		22	
23		23		23		23		23	
24		24		24		24		24	
25		25		25		25	Water quality monitoring 2 ECTS	25	
26	Water: current needs and further challenges 2 ECTS	26		26		26		26	
27		27		27		27		27	
28		28		28	Easter Holidays	28		28	
29		29		29		29		29	
30		30		30		30		30	
31		31		31		31		31	

WE National Holiday
 Classe

International seminars (6 sessions throughout the semester - 1 ECTS)
 2 hours per week of French as a Foreign Language courses (2 ECTS)
 Exams are usually planned at the end of each week

Research interactions in the Program

The associate professors involved in the program belong to the HydrISE research group (Hydro-geochemistry and Soil-Environment Interactions). HydrISE is a multidisciplinary research group that gathers members from geochemistry, hydrogeology, hydrology, soil sciences, ecology and chemistry.

Our research focusses on the ecodynamics of either groundwater or surface water elements. Specifically, we look at how these water elements are influenced by biogeochemical interactions between rock, soil and plants. These studies will contribute to a better understanding of soil/water pollution as well as its remediation.

HydrISE research group has access to Geosciences facilities (ICP-MS, XRD, SEM) and to newly developed Hydrogeology facilities (diagraphy, geophysics, monitoring wells). Students attending the program will have access to these facilities.



Study in France

The “Grandes Ecoles” are unique to France. They were created in the late 18th century in order to offer outstanding education to the country’s future engineers. LaSalle Beauvais, founded in 1854, belongs to this tradition. This summer program crosses our historical B.S./M.S. degrees in Agriculture and in Geology. Foreign students will benefit of our links with partners universities and with invited speakers from public and private sectors.

The proximity with Paris provides a prime example of large urban areas that demand increasing amounts of drinking water quality to sustain their growing population. This constitutes an accurate opportunity to study future water challenges and find new way to manage them.

Discover France while earning college credits



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Admissions

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- **Deadline for sending application: October 15, 2015**
- **Application forms are available on our website: www.lasalle-beauvais.fr/**
-Study-at-LaSalle-Beauvais-
- **Contact:**
incoming@lasalle-beauvais.fr

International relations

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**Institut Polytechnique
LaSalle Beauvais**
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BP 30313
60026 Beauvais Cedex
France

We are already looking forward to welcoming you on our campus!

Beauvais is located in northern France, 50 miles to the north of Paris. Trains to Paris depart every hour. Beauvais is an ideal base for exploring Europe. From Paris Beauvais international airport (5 minutes from LaSalle campus), low cost companies offer regular flights to exciting destinations such as: Italy (Rome, Milan, Venice, Pisa), Spain (Barcelona, Madrid), Great Britain (Glasgow), Ireland (Dublin), Sweden (Stockholm), Norway (Oslo), Portugal (Porto), Romania (Bucharest), Poland (Warsaw), or Czech Republic (Prague)...

