



LaSalle

Beauvais • Institut Polytechnique

Sciences de la Terre, du Vivant et de l'Environnement

Learn about life on earth – on the grand scale.

B.S./M.S. program* in Agricultural Engineering

Agronomy | Food industry | Biology | Environment | Management

* taught in French

2014 - 2015

www.lasalle-beauvais.fr

Unlock your full potential.

Why should you become an agricultural engineer?

As a future agricultural engineer, you'll face challenges such as how to feed the planet in a feasible and sustainable way and become a key player in the transformation and transition of the agricultural industry in terms of energy, ecology and more. By choosing our program, you will develop skills based on fundamental theories and techniques that will enable you to innovate and meet these types of global challenges head on. In your first year, you will build a foundation of general and practical knowledge which takes into account agricultural, environmental and food industry issues. Because innovation is a key part of our five-year integrated program, we provide you with all the tools you need to become entrepreneurs and professionals capable of putting technology at the heart of modern agriculture.

Michel Dubois,
Head of the agricultural engineering program



Annabelle Pernuit,
Class of 2014
Workshop manager - BEL GROUP

"I became really interested in cheese manufacturing techniques during an internship in Ireland at the end of my second year. My three-year apprenticeship helped me gain experience and perfect my skills. Today, I manage a team of nearly 100 people."



Less than
3 months
That's the average time it takes graduates to find their first job.

(CGE surveys 2012, 2013, 2014)



95%

of LaSalle Beauvais graduates are employed within 1 year of graduation.

(CGE surveys 2012, 2013, 2014)

Companies that employ LaSalle Beauvais agricultural engineers:

AGCO • ARVALIS • AUCHAN • BONDUELLE
• CARREFOUR • CRÉDIT AGRICOLE •
GROUPAMA • INRA • INVIVO • ISAGRI •
KRAFT FOODS • LIMAGRAIN • NESTLÉ •
POMONA • TEREOS • AND MORE!



Pascal Prot,
Class of 1979
President - VIVESCIA

"Schools like LaSalle Beauvais can help us advance faster and further in Research and Development."



108

partner universities located in 38 countries around the world.



Thibaud Piroux,
Class of 2014
Final year internship in Ecuador

"My final year internship in Ecuador focuses on discovering insects that pollinate cherimoya trees. According to the UN, this fruit could end famines in some rural areas. This study is the first of its kind."

Program for 2014/2015

B.S./M.S. program in Agricultural Engineering

Our teaching staff has put in place innovative teaching methods that are adapted to the business world. Your extracurricular experiences with student organizations will work hand-in-hand with your academics.



Internships and studies abroad enable students to discover the importance of cultural and environmental differences for the development of agricultural practices around the world.



For more information on our programs

www.lasalle-beauvais.fr

“During your first two years, you will acquire the fundamental scientific and technical skills that, through the use of concrete examples, will help you create a direct link to the business world.”

“In your third year, you will focus on innovation and practical application. What you learned in your first two years will help you explore the different sectors that you might specialize in.”

“In your fourth and fifth years, you will develop skills in the field of your choosing and gain real professional experience through your final year internship.”

Each academic year corresponds to 60 ECTS (European Credit Transfer System) credits

Refresher courses for transfer students

Specific options available for students in an apprenticeship program

*Applied learning experience

1 > 2 > 3 > 4 > 5

Pure and applied sciences

Study of living systems

Plant and animal biology / Botany / Biodiversity / Cellular biology / Introduction to ecology / Enzymology / Biochemistry / Probabilities / Mathematics

Agriculture in its environment

Climatology / Pedology / Water cycle / Plant selection / Plant physiology / Economics / Zootechnics / Soil and arable farming systems / Agrophysiology / Bioindicators

Agriculture and food industries

Microbiology / Food biochemistry / Quality / Thermodynamics / Chemical equilibria / Analytical and organic chemistry and functional groups / Fluid mechanics

6-week internship

Internship on a farm

Work and gain experience

Industries and professions / Quality / Corporate sociology / SQL databases / Accounting / Laboratory work: microbiology, physics, chemistry, enzymology, etc.

Interact with others

2 languages minimum (must include English) / Self-awareness / Sporting activity / Interculturality / Epistemology

4-month internship

Go abroad!

Agriculture in its environment

Animal physiology and nutrition / Molecular biology / Agrophysiology / Plant pathology / Environmental studies and land management / Cartography / ALE* agriculture and environment / ALE* animal

Agriculture and food industries

Linear model / Heat transfer / Electrotechnics – automation / Industrial and food biochemistry / Food microbiology / Transformation and preservation processes / QHSE Management / Non-food applications for bioresources / ALE* agriculture industry

Corporate sciences

Sampling methods / Survey methodology / Marketing / Business strategy / IT applications / Financial management / Career plan / ALE* business

Interact with others

History of techniques and innovations / Law / Business and sustainable development / Industrial economics / Human resources / Business simulation games

4-month internship

Go abroad!

Professional skills

Specializations offered

Agronomy and land management

Entrepreneurship and innovation in agriculture

Marketing and business development

Agroecology, soil, water and land management

Food industry

Consulting and business administration

Livestock

Consulting and business administration

2-month internship

Go abroad!

Internship and professional opportunities

6-month internship

Go abroad!

Internship Final dissertation

Spend up to 24 months abroad with our international options

Central America / South America / Eastern Europe / Asia / Africa
Final dissertation with an international emphasis

22%

of students participate in an apprenticeship program.

¼ of students receive financial aid

Tuition fees will vary according to your status (free mover or exchange student) and any specific mobility agreements between LaSalle and your home institution. For more information, please contact the INTERNATIONAL RELATIONS OFFICE: incoming@lasalle-beauvais.fr

Diplôme habilité par

Cti

EUR-ACE

All students are welcome

More than just a school, LaSalle Beauvais is a community that truly captures the spirit of "togetherness". Here, students work together to organize activities and events, engage in open exchange and generally help each other out. It is a place that breeds creativity and a respect for individuality.

In keeping with the teachings of LaSalle, we work to encourage selflessness, independence and a sense of responsibility in our students by granting each and every one of them our unwavering vote of confidence. We are supportive of our students' diverse needs, which is why our campus is fully equipped for students with disability. Because at LaSalle Beauvais, all students are welcome. Day after day, we work together to build the sense of attachment and pride that our establishment is known for. We are all "Proud of LaSalle"!

Jérôme Colin,
Head of Educational Mission and Student Life

Admission requirements

Places available

Admission process

Admission deadlines

	Admission requirements	Places available	Admission process	Admission deadlines
1ST year	French baccalauréat (streams S or STAV), a scientific refresher course or equivalent Candidates may apply up to two years after passing their baccalauréat	150	www.admission-postbac.fr 1/ Application-based preselection 2/ Interview (mid-April) 3/ FESIC* exams (May 16, 2015) * except for candidates who earned a baccalauréat S or STAV with a <i>mention bien</i> (with high honors) or a <i>mention très bien</i> (with highest honors)	January 20, 2015 through March 20, 2015
2ND year	BCPST1, L1 PACES/PAES, Licence 1 (biology), BTS (science), Licence professionnelle or equivalent To be completed by candidates within their first year post-baccalauréat	20	1/ Application-based preselection 2/ Interview (mid-June 2015) Application available at www.lasalle-beauvais.fr or at +33 (0)3 44 06 76 02	Completed applications due May 26, 2015
3RD year	DUT (biological engineering), Licence 2/3 (biology), BCPST2, BTS + 3 years of professional experience or equivalent	25 Ⓐ 20	1/ Application-based preselection 2/ Interview (mid-June 2015) Application available at www.lasalle-beauvais.fr or at +33 (0)3 44 06 76 02	Completed applications due May 26, 2015 Ⓐ 2 sessions: March 30, 2015 and May 26, 2015
4TH year	Baccalauréat + successful completion of 4 years of university study or equivalent Background in life and/or agronomic sciences.	10 Ⓐ 10	1/ Application-based preselection 2/ Interview (mid-June 2015) Application available at www.lasalle-beauvais.fr or at +33 (0)3 44 06 76 02	Completed applications due May 26, 2015



Specific course options available for students in an apprenticeship program.



Training committed engineers for the past 160 years.



For more information

Consult our website:

www.lasalle-beauvais.fr/-Study-at-LaSalle-Beauvais

E-mail the INTERNATIONAL RELATIONS OFFICE:

Incoming@lasalle-beauvais.fr



★ **Unlock your full potential.**

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Contacts

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Take a video tour of the school

