

INSA

INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
LYON

SMART LYON 2020

MARCH 9th – MARCH 20th

Learn about Smart Cities
and French Culture !



INSA LYON ENGINEERING SCHOOL

Founded in 1957, INSA Lyon is one of France's leading Engineering Schools and counts more than 6,200 students out of which 1,700 are international - a point that was recognized in the last 2020 QS World University Ranking*. INSA Lyon is known for its high level of training but also its strong humanist values and rich campus life (largest Student Union in France). Most of students are spread throughout 9 engineering departments (Master's degree students) and 8 doctoral schools (PhDs).

Internationalization is a prime concern, many courses are offered in English and international profiles increase yearly.

**Rank 130 out of 1620 universities in the International Student indicator*

SINCE 2016 > 175 STUDENTS FROM 24 UNIVERSITIES



INSA LYON SHORT PROGRAMS

INSA Lyon has launched 3 short programs in order to meet international expectations :

- SMART Lyon in February-March [2 weeks]
- INNOV@INSA in May-June and in June-July [4 weeks]

Students experience a short-term program at INSA Lyon, located in France's Capital of Gastronomy. They will learn new skills, earn credits while creating bounds and expanding their network. Our short programs are a stepping stone for further studies and a boost for their career.



LYON WAS ELECTED
EUROPEAN CAPITAL
OF SMART TOURISM
IN 2019 BY THE EU!
> smarttourismcapital.eu

GET READY!

IMPORTANT DATES



APPLICATION PERIOD

November 4th
January 6th

REGISTRATION

January 13th
January 25th

PAYMENT DUE

February 7th*

STUDENTS' ARRIVAL

March 8th

CLASSES

March 9th
March 20th

*More information about regulations on www.insa-lyon.fr/en/short-programs

SCHEDULE*

MARCH 2020

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
						MARCH 8 th Check in
9 th	10 th	11 th	12 th	13 th	14 th	15 th
Classes Activity 1 Activity 2	Classes	Classes	Activity 3	Classes	Free	Free
16 th	17 th	18 th	19 th	20 th		
Classes	Classes Activity 4	Classes	Classes Activity 5	Classes until 12pm Check out {between 12pm and 2pm}		

* schedule is subject to change

COURSES – 2 ECTS CREDITS

LEARNING OBJECTIVES

1. SMART CITY [18hrs. lectures]

- Introduction to the problems of smart cities and the Internet of Things
- Presentation of the different families of topologies and protocols used
- Spatial data analysis
- Programming of communicating sensors
- collection of data and network usage

2. FRENCH AS A FOREIGN LANGUAGE [12hrs. lectures]

- Learn and practice basic French in different on-site situations.
- Learn to decode cultural differences in speeches, attitudes and behaviors.

Please specify your level in French when applying



CONTENT

1. SMART CITY

- Introduction to Smart Cities issues
- Low Power Long Range wireless networks for Smart Cities
- Hands on LoRa, a long distance low power IoT network.
- Geomatics and spatial smartness
- Augmented cities
- Industrial visit: Michelin, JTEKT, Valeo... [TBC]

2. FRENCH AS A FOREIGN LANGUAGE

- Introduction to French Language and Culture: Students will practice French both during class activities and on-site situations. The students will acquire a knowledge base, which will significantly add to their general culture.

HOW TO APPLY

1

APPLICATION



Contact the short programs coordinator in your university. He/she will gather your nomination and send it to INSA Lyon. Required documents to apply : cover letter + resume + copy of your passport

2

ACCEPTANCE BY INSA LYON



All the applications will be reviewed within a week. INSA Lyon will then contact you for payment and registration. A letter of acceptance will be sent to you at the same time. In case you need a visa, please ask INSA Lyon for an invitation letter.

3

REGISTRATION



When your application is accepted, you will have to send a copy of your passport and an ID photo. Make sure your passport (or ID card for EU students) is valid for your trip to France.

4

PAYMENT



A contract will be established between you and INSA Lyon. Once you have signed the contract, you will receive an invoice to proceed with the payment before February 7th via wire transfer. If your university collects payments, please contact the coordinator in your university.

Don't forget to ask for a visa if needed.

More information on <https://www.diplomatie.gouv.fr/en/coming-to-france/Lyon>.

FEES

EXCHANGE STUDENTS*

Tuition fees waived

Program fees €970

TOTAL €970

FEE-PAYING STUDENTS*

Tuition fees €580

Program fees €970

TOTAL €1550

PROGRAM FEES INCLUDE

- ✓ On-campus accommodation from March 8th to March 20th
- ✓ Meals (breakfast, lunch and diner from Monday to Friday, lunch on Saturday)
- ✓ Activities
- ✓ Transportation during the program

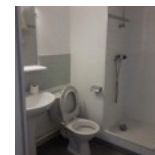
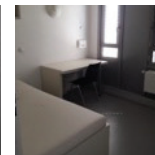
Please refer to our terms and conditions about cancellation and refund on:
www.insa-lyon.fr/en/short-programs

**check with your university for more details*

PRACTICAL INFORMATION

DORMS

You will share a double room with another student taking part in the SMART program. Your room is equipped with a small kitchen, a fridge, a kettle, cups, coffee and tea. There is a bathroom in each room (no hair-dryer). You will be given 2 tokens for the laundry service. Ethernet wires are provided for Internet access in your room. Otherwise, the campus is equipped with many Wifi hotspots.



CATERING

There are 5 restaurants on INSA campus with catering available for breakfast, lunch and dinner.

TRANSPORT

Shuttle tickets from the airport to the city center are provided. We will arrange your transfer to the campus.

5 ACTIVITIES* INCLUDED IN THE PROGRAM



DAY TRIP TO ANNECY, THE VENICE OF THE ALPS

You will visit the city and the medieval heart of Annecy, enjoy a view from the top of a castle, walk around the lake and stroll along the canals.



GUIDED VISIT OF LYON, THE CAPITAL OF THE GAULS

You will discover the city center, the Vieux-Lyon, listed as UNESCO World Heritage, and its hidden passageways known as “traboules”.

ON GOING EVENT IN LYON

SMART industries exhibition in March (to be confirmed). Major show for connected, collaborative and efficient industry

www.smart-industries.fr/en/

**aside from the program*



**activities are subject to change*



CULTURAL VISIT AT THE CONFLUENCE MUSEUM

Unmissable in Lyon, the musée des Confluences tells the story of humankind and the history of life through an innovative scenography and various digital applications.

PARTY WITH INSA STUDENTS

Organized by a student association, enjoy French finger-food, meet INSA students and create bonds.

HAVE A GLIMPSE OF THE FRENCH WAY LIFE

Share a dinner with locals and spend a pleasant time in their home. Maybe you will have a chance to taste a French raclette!



5 MUST-DO EXPERIENCES IN LYON*

- Take the funicular to the basilica Notre-Dame of Fourvière
 - Visit the Lumière Museum, where cinema was born
 - Enjoy a cruise on the Saône river
 - Have a meal rue Mercière, the foodies street
 - Ride a bike along the Rhône river banks
- *aside from the program*



MAP OF INSA LYON





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www.insa-lyon.fr

