Program Sheet (1) INSA Lyon Online Winter Program (SMART Lyon ONLINE SPRING SCHOOL)

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November 2021
Updated on 3 December 2021

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1. Program Objectives

This program offered by INSA Lyon is **for students with engineering or science background or have interest in the fields**. The theme of the program is "Smart City". The main objective of the program is to understand the points and methodology related to "Smart City" through related lectures and practical seminars. Students can also learn cross-cultural understanding through French language class, cultural activities, and interactions with local students. Students studying other topics can also apply to this program if they have an engineering or science background and they meet "6. Program Eligibility Criteria and Requirements".

*INSA Lyon: Institut National des Sciences Appliquées de Lyon is one of the Grandes Écoles and was established in 1957. INSA Lyon has the longest history and is the largest in the INSA Group. The campus of INSA Lyon is located in the city of Lyon (in southeast France) which has its history dating back to the Roman Empire. Lyon is an industrial city with an incredible showcase of companies like Jacquard, Guimet, and Lumieres Brothers, etc.

2. Program Contents

This program includes lectures and hands-on learning about "Smart City" related topics (20 hours in total), lectures about cross-cultural communications and French as a foreign language (6 hours in total). The program also includes a virtual visit of Lyon and cooking activity. The program is conducted is English but may include lectures in French. Please note that this program will be a joint program with other universities in and outside Japan. Please refer to the attached document or the following website (https://www.insa-lyon.fr/fr/online-spring-school). * Note: The transfer of 2 ECTS credits from the INSA Lyon to UTokyo credits is not guaranteed.

3. Program Period

February 14th (Monday) – February 26th (Saturday), 2022 (JST 3:00 pm-7:00 pm)

4. Number of Students Accepted

Maximum 8 undergraduate and graduate students who meet "6. Program Eligibility Criteria and Requirements. (If the number of applicants is small, the program may be cancelled.)

5. Program Schedule (Planned)

~~Noon, December 3rd (Fri), 2021~~→12 noon, December 20 (Mon), 2021	Deadline for submission and approval of Go Global Statement ※For undergraduate students enrolled after April AY 2018 who have already registered for the Go Global Gateway but not yet submitted their "Go Global Statement" (graduate students are not required to submit Go Global Statement)
Noon, December 20th (Mon), 2021	Deadline for submission of internal application documents
Noon, December 21st (Tue),	Deadline for submission of modified internal application documents (in

2021	case of "Returned" application documents)
Around mid-January, 2022	Announcement of the result of internal selection
By January 21st (Fri), 2022	Deadline for submission of an online application form, cover letter and resume to INSA Lyon ※by each student individually
Around early-February, 2022	Preliminary information session (Orientation meeting)
February 14th (Mon) – February 26th (Sat), 2022	Program period
March 12th (Sat), 2022	Deadline for submission of reports

6. Program Eligibility Criteria and Requirements

Applicants must meet all the following requirements in addition to those listed in the guidelines:

(1) Only engineering or science students (applicants must be students who are enrolled as full-time undergraduate students of either the Department of Interdisciplinary Sciences / Department of Integrated Sciences / International Program on Environmental Sciences Course of PEAK in the College of Arts and Sciences Senior Division / the Faculty of Engineering, or the Faculty of Science. Students who are in the 2nd year and are already accepted to proceed to one of the departments/faculties mentioned above can also apply).

(2) Students must possess sufficient proficiency in English to attend lectures in English and to conduct discussion. TOEFL iBT 80, TOEIC 750, IELTS 6.5 or over. Application without any documents certifying English proficiency will be accepted. Proof of applicants' proficiency in French is not required.

(3) Students must be able to use the applications required during the program such as Zoom, WhatsApp, VPN: Cisco AnyConnect, etc. in order to participate in the program.

(4) All students who pass the internal selection process are required to complete an online application form and submit required documents such as cover letters and resumes to INSA Lyon by the deadline. Those who possess a valid passport are also required to submit a copy of their passport (for those who do not possess a valid passport, please follow the instructions).

7. Program Costs

Free (The University of Tokyo covers the program fees)

8. Preliminary information session (Orientation Meeting)

All students who pass the internal selection process are required to attend a preliminary information session (orientation meeting) regarding this program that will be held online around early-February 2022.

9. Post-program Reports

Participants must submit reports listed below within two weeks of completing the program.

(1) All students: A report in a format prescribed by the International Exchange Group of the UTokyo Administration Bureau

(2) Undergraduate students enrolled after April AY 2018: An activity report on this program on category 2 "Classes/Courses" or category 4 "International Activities" of the Go Global Gateway (GGG) program

10. Contact for Inquiries Regarding this Program

International Exchange Group: studyabroad.adm@gs.mail.u-tokyo.ac.jp

(Please make sure to thoroughly read the application guidelines before making an inquiry.)

(https://www.facebook.com/INSADeLyon) (https://twitter.com/INSAdeLyon) (https://www.youtube.com/user/videoinsa) (https://www.instagram.com/insa_lyon/)

INSA LYON (/FR/INSA-LYON)   FORMATION (/FR/FORMATION)   RECHERCHE (/FR/RECHERCHE)

ENTREPRISES (/FR/ENTREPRISES)   INTERNATIONAL (/FR/INTERNATIONAL)   CAMPUS (/FR/VIE-CAMPUS)

(https://www.univ-lyon.fr/institut-national-sciences-appliqu%C3%A9es-de-lyon-12460)

INTERNATIONAL

Accueil (/fr)   Online Spring School

CONTACTS

Tara Pignal

Short Programs Manager

Courriel : online-spring-school@insa-lyon.fr (mailto:online-spring-school@insa-lyon.fr)

SERVICE

Direction des Relations Européennes et Internationales

Tel. +33 (0)4 72 43 83 91

Bâtiment Charlotte Perriand - 17, avenue des Arts

69621 Villeurbanne

Courriel : dri@insa-lyon.fr (mailto:dri@insa-lyon.fr)

ONLINE SPRING SCHOOL

Participate in a real international experience online from February 14th to 26th 2022

Courses (1US or 2 ECTS credits)

Applications will open on September 20th

No need to travel to live an immersive international experience. INSA Lyon has launched an **Online Spring School**, a perfectly balanced program of courses, fun activities and break times.

The sessions are Live, every day, between 8am and 12pm (CET) (3-7pm TOKYO / 2-6pm HK)

Hands-on innovative and interactive learning, cultural activities with INSA students and teachers... this program will bring you into the INSA community as if you were there!

We are proud to offer our partner universities and their students this new pedagogical content, which is as qualitative as our other short programs and totally adapted to the current context.

Courses

1. Introduction to Interculturality (6 hrs)

Cross-cultural communication

Concepts of interculturality

Introduction to the French language

2. Connected devices and smart devices (20 hrs)

While connected devices are all around us and lead the way towards smarter cities, students will find out how they work and what is at stake, through practical exercises. Who better than INSA Lyon to propose this theme, when Lyon was recognized in 2019 by the EU as a Capital of Smart Tourism, as the city performed particularly well in various areas.

Introduction to the Internet of Things and how it relates to smart cities

Introduction to IoT Concepts

Data collection and processing

Geographical data storage and processing

Technical introduction to programming

Geographical Data Manipulation Lab

Modelizing an intelligent building

Processing of geographical data

Prerequisites : basic knowledge and practical experience of computer programming, language and algorithms.

Activities

Virtual visit of Lyon

Cooking activity