

BOOTCAMP 2023

COMMUNITY COLLEGE IN FRANCE

NANCY – THE NEXT SMART CITY

JUNE 11TH – JUNE 25TH 2023, NANCY, FRANCE

This two-week summer program in Lorraine, France, will see participants tackling sustainable development with the aim of transforming the city of Nancy into a smart city of the future. Based in Nancy at our very own fab lab, the “Charly Lab”, students will work in teams to **design a virtual reality experience accessible on smartphones, tablets, computers or VR headsets**. Through various excursions, students will discover the history and culture of the Lorraine region, as well as the many innovative projects led by the Université de Lorraine and local entrepreneurs. A two-day tour of Paris will round off the stay.



VISITS AND ACTIVITIES

Participants will discover Lorraine, from the region’s two main cities, Nancy and Metz, to the surrounding areas. Highlights include a culinary tour of Nancy, the capital of Lorraine, an evening downtown at the Fête de la Musique, a visit to the Pompidou Center in Metz, a tour of some local vineyards and a trip to the beautiful Vosges mountains, including an afternoon at a treetop adventure park. And no trip to France would be complete without a tour of the world-famous sites of Paris: la Tour Eiffel, Arc de Triomphe, Musée du Louvre...

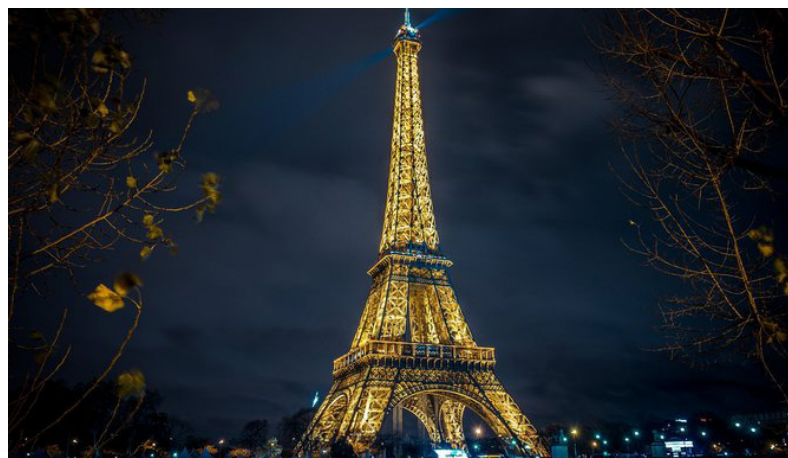
LEARNING OUTCOMES

- Students will complete the program with an understanding of the environmental issues facing cities and the steps implemented to improve their carbon footprint.
- Students will understand concepts such as eco-responsibility and additive manufacturing.
- Students will be introduced to virtual reality and 3D printing technologies.
- Students will be able to create a virtual tour of a city neighborhood.



HOUSING / MEALS

- Nancy: City center studio apartments with private bathroom, bedding, WIFI and breakfast included. All meals included.
- Paris: Youth hostel accommodation near main station. Meals included.



PROGRAM OVERVIEW (SUBJECT TO CHANGE)

Week #1	AM	PM
Sunday, June 11	<ul style="list-style-type: none"> • Pick-up at the CDG airport, Paris / Train to Nancy / Accommodation 	
Monday, June 12	<ul style="list-style-type: none"> • Presentation of the University • Tour of Charly Lab • Project introduction • Conference on Smart Cities 	<ul style="list-style-type: none"> • Culinary tour of Nancy
Tuesday, June 13	<ul style="list-style-type: none"> • Introduction to and testing of VR (virtual reality) tools in the lab • Training in VR content creation tools 	<ul style="list-style-type: none"> • UrbanLoop: tour of this urban transport system with capsules which travel through the city on interconnected rails https://urban-loop.fr
Wednesday, June 14	<ul style="list-style-type: none"> • Day excursion to the Vosges mountains, including visit to an e-bike startup and team building activities at a treetop adventure park 	
Thursday, June 15	<ul style="list-style-type: none"> • Creation of a district of Nancy in 3D using VR tools • Adding an eco-responsible public transport system (Urbanloop) to the 3D model • Reconciling historical heritage and new infrastructures to create a smart city 	<ul style="list-style-type: none"> • Ferme de la Bouzule: visit to this university farm which practices sustainable techniques in farming and agriculture in respect of biodiversity https://ensaia.univ-lorraine.fr/fr/content/ferme-de-la-bouzule
Friday, June 16	<ul style="list-style-type: none"> • Integrating local farmers into the 3D model • Visit of Musée de l'Ecole de Nancy 	<ul style="list-style-type: none"> • Afternoon free
Saturday, June 17	<ul style="list-style-type: none"> • Visit of Peel, the university's entrepreneurship unit, to discover its eco-responsible projects www.peel.univ-lorraine.fr 	<ul style="list-style-type: none"> • Starting a business, creating slogans, logos and images. Printing of merchandise such as badges, key rings and t-shirts

Week #2	AM	PM
Sunday, June 18	<ul style="list-style-type: none"> Day excursion to Metz, including Centre Pompidou 	
Monday, June 19	<ul style="list-style-type: none"> The city's economy: adding businesses, restaurants, cultural and sporting events to the 3D model, taking environmental constraints into consideration 	<ul style="list-style-type: none"> Visit to the vineyards of Toul: organic production and sustainable practices
Tuesday, June 20	<ul style="list-style-type: none"> Continue building virtual reality experience, while adding a premises for the business created by each team 	<ul style="list-style-type: none"> Sports event (basketball/soccer) with Université de Lorraine students Evening event organized by French students
Wednesday, June 21	<ul style="list-style-type: none"> Creation of a VR visit of the various city districts 	<ul style="list-style-type: none"> Presentation of the final projects Fête de la Musique: enjoy live music in downtown Nancy !
Thursday, June 22	<ul style="list-style-type: none"> Transfer to Paris by train Guided tour of Paris: Eiffel Tower, Champs Elysées, Louvre, Bateau mouche 	
Friday, June 23	<ul style="list-style-type: none"> Visit of AgroParisTech and its sustainable policies 	<ul style="list-style-type: none"> Afternoon free
Saturday, June 24	<ul style="list-style-type: none"> Transfer to airport 	



• Program cost (covers accommodation, public transportation, meals and all activities and excursions) : 2 400 \$

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