

ROBOTICS CAMP

10 to 17
years old

The Robotics Camp is designed for students who want to improve their English language skills through intensive English classes and experience hands-on learning to grow their understanding of science, technology, engineering, and math. The program curriculum offers an innovative language learning that incorporates real-world language use and a series of robotics workshop-style courses designed to develop student's passion and skills in robotics, coding, programming, problem solving, scientific inquiry, teamwork, and engineering. The program will be held at Valencia College in Orlando, FL.

THE SCHOOL



Valencia College is nationally recognized as one of the best colleges in the nation for its high graduation and placement rates and it was the first winner of the Aspen Prize for Community College Excellence. Valencia College has 8 campuses in Orlando and this program will be held at the Metro West Campus. Valencia College's English program is designed to increase the participant's proficiency in speaking, listening, reading, and writing in English.

WINTER
2019

SUMMER
2019

SESSION 01

SESSION 02

SESSION 01

SESSION 02

JAN 6th - JAN 19th

JAN 20th - FEB 2nd

JUL 7th - JUL 20th

JUL 21st - AUG 3rd

2 weeks

2 weeks

2 weeks

2 weeks

THE PROGRAM

The English part of the program consists of multiple levels from low beginner through high advanced, and is accredited by the Commission on English Language Program Accreditation (CEA). All instructors are highly qualified and have earned a Masters in TESOL. Students will learn real-world English and American culture and will improve their fluency, pronunciation, and grammatical accuracy.

At the Robotics workshops students will:

- Learn and explore the essential characteristics of robots as they design, program, control, explore real-world challenges, and investigate possible solutions;
- Immerse themselves into the world of Robotics and gain an understanding how its technology is enabling the next wave of innovators and entrepreneurs;
- Build and program missions (all programming tools are included);
- Apply core STEM principles to program and control a fully functional robot;
- Implement the Engineering Design Process as they design, build, test and improve robotic functions;
- Build a robot using the Lego Mindstorm kit and perform a presentation.

INCLUDED IN THE PROGRAM

18 hours per week of English classes at Valencia College

18 hours per week of robotics workshop-style courses at Valencia College

Programming tools and Lego Mindstorm Kit (Students will not be able to keep the Robotics kits that they use)

Paid host family accommodation with breakfast and dinner during the week and all meals on weekends and holidays

Airport Transfer on arrival and departure

Daily transportation to and from school

Medical & Liability insurance

Program certificate

ExchangeMate USA full-time support

NOT INCLUDED IN THE PROGRAM

Airline ticket

Lunches and snacks

Passport and visa fees (if applicable)

Personal expenses and shopping

Park Tickets for optional Saturday activities

ENGLISH LEVEL

INTERMEDIATE

HOMESTAY ACCOMMODATION

Students will stay with one of our carefully screened host families. Staying with a host family is a great opportunity for students to practice English and experience more of the American culture. Host families may host more than one student at the same time; therefore students may have to share a room.

OPTIONAL SATURDAY ACTIVITY

SESSION
01

UNIVERSAL STUDIOS FLORIDA

SESSION
02

UNIVERSAL'S ISLAND OF ADVENTURES