System Development with STMicroelectronics

How to design an electronic system based on a microcontroller

The online course offered by ST to university students

Lessons
from **March to June 2024**
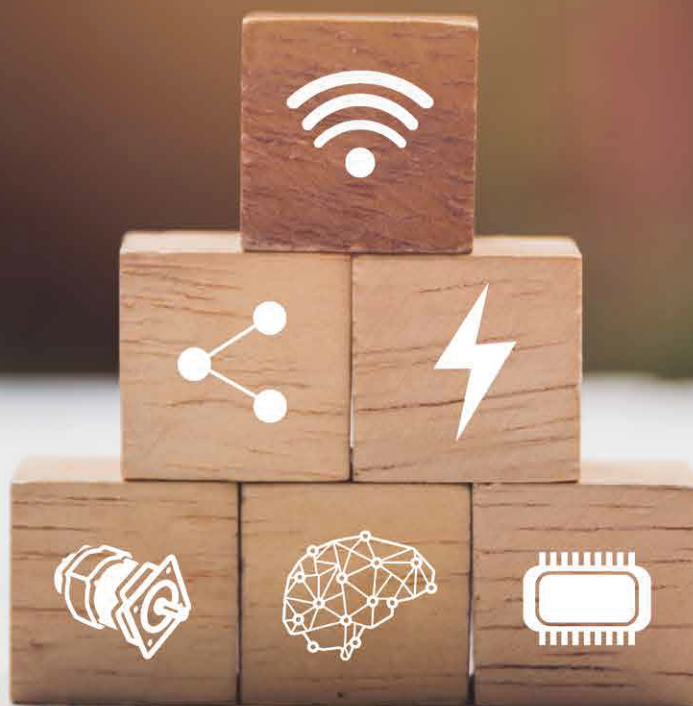
STMicroelectronics is offering an online theoretical and practical course to university students, valid for the acquisition of Crediti Formativi Universitari (CFU)*
Lessons will be held in English from March to June 2024.

* The CFU value is agreed with universities and relates to the second part (Part II) of the course

Part I: 7.5 hours
Offered to all STEM students (Bachelor's and Master's Degree)

Topic	Speaker	Date
ST at a glance	ST Management	11th March 2024 15:00 - 17:30
Electronic systems	Adriano BASILE	
Introduction to microcontrollers	Maria Celvisia VIRZÌ	
Embedded systems - programming basics	Marco BRANCIFORTE	18th March 2024 15:00 - 17:30
MEMS sensors overview	Adriano BASILE	
Motor control algorithms	Gianluigi FORTE	25th March 2024 15:00 - 17:30
Artificial Intelligence on the edge	Davide GIACALONE Valeria TOMASELLI	
Join us! Meet ST Human Resources	HR dept.	

Part II: 20 hours
Offered to students of Master's Degree courses in STEM domains

Topic	Speaker	Date
ST at a glance	ST Management	8th April 2024 15:00 - 17:00
Semiconductor manufacturing	Adriano BASILE	
STM32: family overview	Maria Celvisia VIRZÌ	
STM32: main peripherals STM32 ODE overview: Nucleo, X-Nucleo, Function Packs	Maria Celvisia VIRZÌ Alessandro CAPRA	15th April 2024 15:00 - 18:00
STM32: programming tools	Marco BRANCIFORTE	22nd April 2024 15:00 - 17:00
STM32: practical examples	Marco BRANCIFORTE	29th April 2024 15:00 - 18:00
MEMS sensors: practical examples	Adriano BASILE	6th May 2024 15:00 - 17:00
Deep learning & STM32Cube A.I.	Davide GIACALONE Valeria TOMASELLI	13th May 2024 15:00 - 17:00
Electric motor and actuators: introduction	Gianluigi FORTE	20th May 2024 15:00 - 17:00
Electric motor and actuators: practical session	Gianluigi FORTE	27th May 2024 15:00 - 17:00
Energy-autonomous and maintenance-free wireless sensor node	Roberto LA ROSA	3rd June 2024 15:00 - 17:00
Join us! Meet ST Human Resources	HR dept.	

Don't miss this valuable training experience from one of the world's leading companies in microelectronics and semiconductor production.
Stay tuned on: **www.st.com/system-development-training**

IPCEI on Microelectronics