

Embedded Computing Systems POLITO Curriculum

The elective program suggests directions and courses for further studies beyond the core topics. You may also check in lecture catalogs and the POLITO system for other courses that you may be interested in. Additionally, independent project work is possible in different areas.

Elective Program						
	Code	Title	Credit points	Semester	Instructor	Language
All	02LVNOV	Synthesis and optimization of digital systems	6	Spring (1st year)	A. Calimera	English
Embedded Systems	01QYHOV	System-on-chip architecture	6	Fall	A. Macii	English
	01RKZOV	Testing and fault tolerance	6	Fall	M. Sonza Reorda	English
	01UDNOV	Cybersecurity for Embedded Systems	6	Spring	P. Prinetto	English
	03QWROV	Programming for IoT applications	6	Fall	E. Patti	English
	01OUZOV	Model-based software design	6	Spring	M. Violante	English
Communication and Signal Processing	01OVEOV	Innovative wireless platforms for the internet of things	6	Fall	D. Trincherro	English
	01QFSOV	Multimedia signal processing	6	Spring	E. Magli	English
	01POJOV	Projects and laboratory on communication systems	6	Spring	G. Albertengo	English
Automation & Control	01PECOV	Software architecture for automation	6	Fall	M. Ghirardi	English
	01SQHOV	Technologies for Autonomous Vehicles	6	Spring	M. Violante	English
Micro-electronics / Microsystems	01UDGOV	Energy management for IoT	6	Fall	M. Poncino	English

	01NOKOV	Electronic systems engineering	6	Fall	E. Pasero	English
	01NWNNOV	Modeling and optimization of embedded systems	6	Fall	L. Lavagno	English
Artificial Intelligence	01QYDOV	Big data: architectures and data analytics	6	Fall	P. Garza	English