

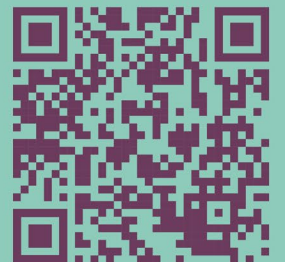
SALONE DELL'ORIENTAMENTO 2026



**Politecnico
di Torino**

**SCOPRI TUTTI I SERVIZI
OFFERTI DA PoliTO**

www.polito.it



SALONE DELL'ORIENTAMENTO 2026

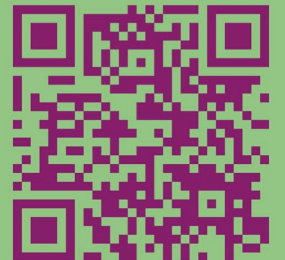
CORSO DI LAUREA MAGISTRALE

MECHATRONIC ENGINEERING



**Politecnico
di Torino**

**SCOPRI TUTTI I
CORSI DI STUDIO
A.A. 2026/27
www.polito.it**



Mechatronics Engineering

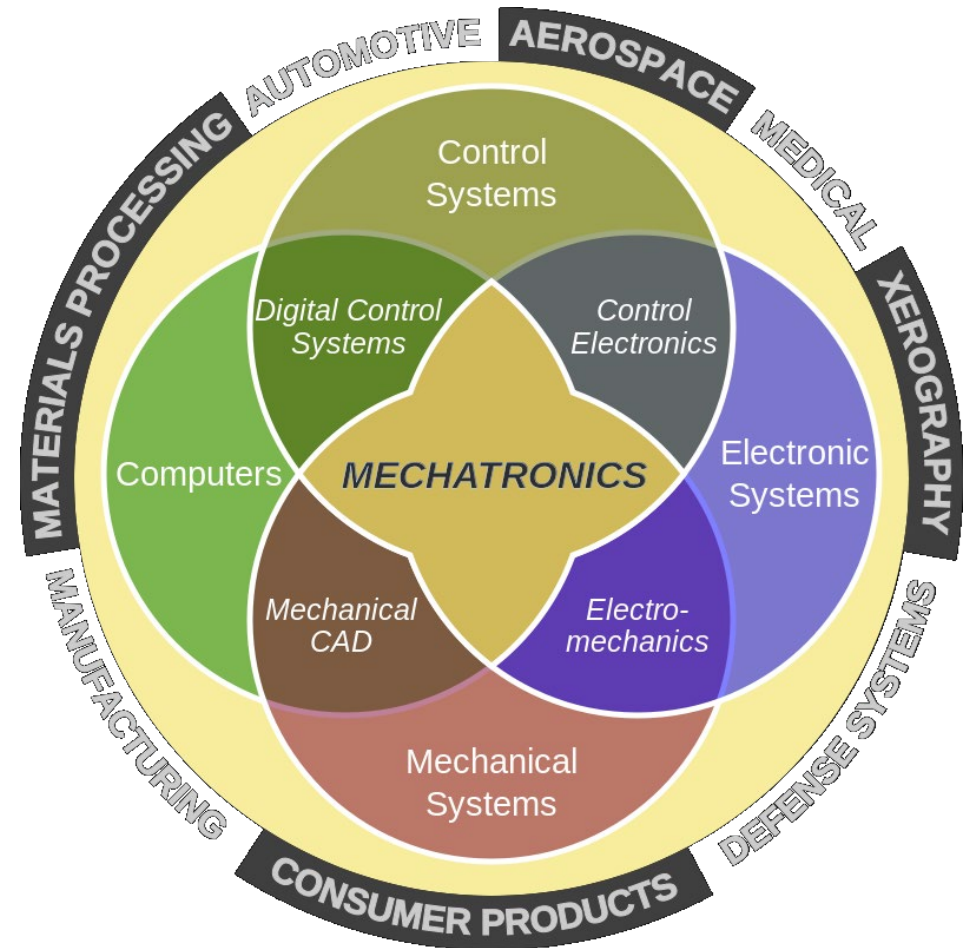


Integrated approach to systems design for complex electromechanical devices

Mechatronic Engineer

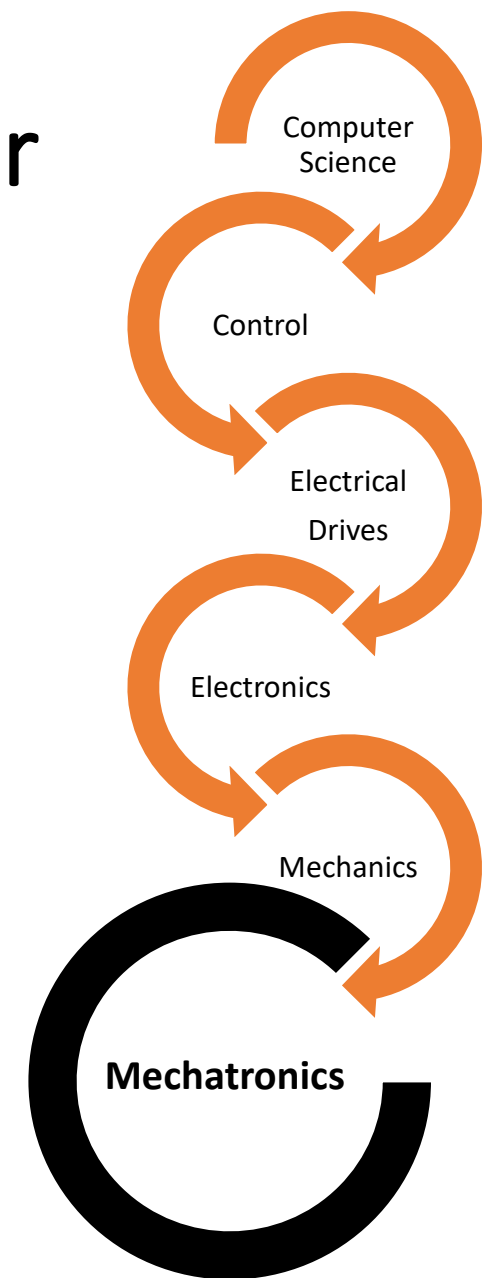


Specialist in the Integrated design of high-performance systems



Why becoming a Mechatronic Engineer

- The industry increasingly needs engineers with **interdisciplinary skills**
- Technical skills must be oriented towards the development of **integrated systems** (starting from the earliest stages of the design and not obtained as a simple amount of the parts)
- To develop **innovative high-performance** products and solutions



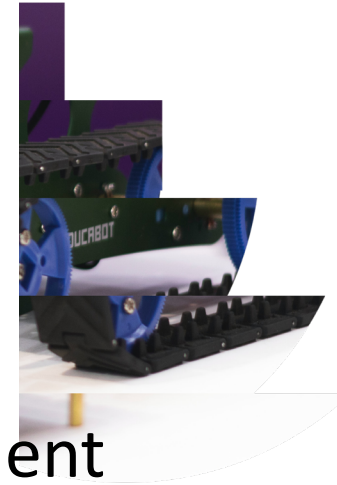
The professional figure

- The mechatronic engineer is therefore a **technical professional** with an extensive and broad-spectrum preparation that allows her/him **to communicate with specialists in different fields**
- This approach enables Mechatronic Engineers **to identify new solutions where a traditional approach would not be enough**, or where performances would be lower



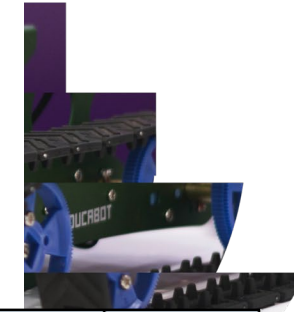
Study course structure

- The program is taught in **English**
- It offers a curriculum that provides a wide spectrum of **interdisciplinary technical skills**
- It develops the ability to use tools and development environments for modelling, simulation and design
- It allows a flexible adaptation to different professional needs, avoiding the risk of a rapid knowledge obsolescence
- It develops interdisciplinary skills and competences to become a “**system integrator**” in industrial and research fields



First year

ORIENTAMENTI	CONTR	Control Technologies for Industry 4.0
	SW	Software Technologies for Automation
	HW	HW & Embedded Systems for Industry 4.0
	AUTO	Technologies for eMobility
	IND	Industrial Technologies & Applications
	SPACE	Technologies for Space Applications



ANNO	SEM	CREDITI			
1	1	8	INCOMING equalization	01PCZYP - Applied mechanics and machine design	Provenienza ICT
		8		02LONYP - Electrical machines	
		8		01RXOYP - Electronics Fundamentals and Applications	Provenienza IND
		8		04LSLYP - Automatic Control	
		8		01HFVYP - Networked Control Systems	Provenienza MCTR
		8		01HFWYP - Sensors, embedded systems and algorithms for Service Robotics	
		6		Obbligatori per tutti	01PDCYP - Digital control technologies and architectures
		10	02PCYYP - Modelling and simulation of mechatronic systems		
	TOT.	32			
1	2	8	Obbligatorio per tutti	01PDFYP - Electronic systems for mechatronics	
		6	Scelta obbligata 1	01RKYYP - Estimation, filtering, and system identification	
		6	Scelta orientamento 1	02MPLYP - Fluid Automation	
				01OUZYP - Model-based software design	CONTR
				01OUZYP - Model-based software design	SW
				01NWDYP - Mobile & sensor networks	HW
				01TVEYP - Electrical Technologies for eMobility	AUTO
05SQSYP - Additive Manufacturing Systems and materials	IND				
01VSFYP - Introduction to Space Systems	SPACE				
8	Obbligatorio per tutti	01PEEYP - Robotics			
	TOT.	28			

Second year

2	1	6	Scelta orientamento 2	01OUWYP - Convex optimization and engineering applications	CONTR
				01NPSYP - Operating systems for embedded systems	SW
				02LPNYP - Power electronics	HW
				03MIQYP - Automotive control systems	AUTO
				03OAIYP - Dynamic design of machines	IND
				01DWGYP - Orbital Robotics and Distributed Space Systems	SPACE
		6	Scelta obbligata 2	01PDXYP - Modern design of control systems	
			01TVOYP - Optimization for machine learning		
	6	Scelta orientamento 3	01QYEYP - Laboratory of robust identification and control	CONTR	
			01HZPYP - Optimization and Simulation for Industrial Automation	SW	
			01TWNYP - Electronic Systems for Sensor Acquisition	HW	
			01TVRYP - Networking technologies for connected vehicles oppure	AUTO	
			01HIJYP - Electric Motor Drives for ePowertrains		
			02TVPYP - Industrial Photonics	IND	
		01VUJYP - Spacecraft dynamics and control system	SPACE		
*	6	Crediti liberi	Qualunque corso escluso dalle scelte obbligate o di orientamento	*	
TOT.		24			
2	2	6	Scelta obbligata 3	01PEDYP - Automation and planning of production systems	
				01RKXYP - Nonlinear control and aerospace applications	
	30	Final project work	04KSDYP - Tesi da 30CFU oppure tesi + tirocinio (18 + 12)		
TOT.		120			

Professional careers

- **Control Technologies for Industry 4.0**: methodologies, algorithms and control architectures for mechatronics
- **Software Technologies for Automation**: operating systems, techniques and architectures for automation software design
- **Hardware & Embedded Systems for Industry 4.0**: embedded systems, hardware platform and electronic technologies for mechatronics
- **Technologies for eMobility**: electrical, control and communication technologies for e-mobility
- **Industrial Technologies & Applications**: mechanical technologies, additive manufacturing and innovative processing techniques for industrial applications
- **Technologies for Space Applications**: technologies and architectures for space applications



Companies & Research partners

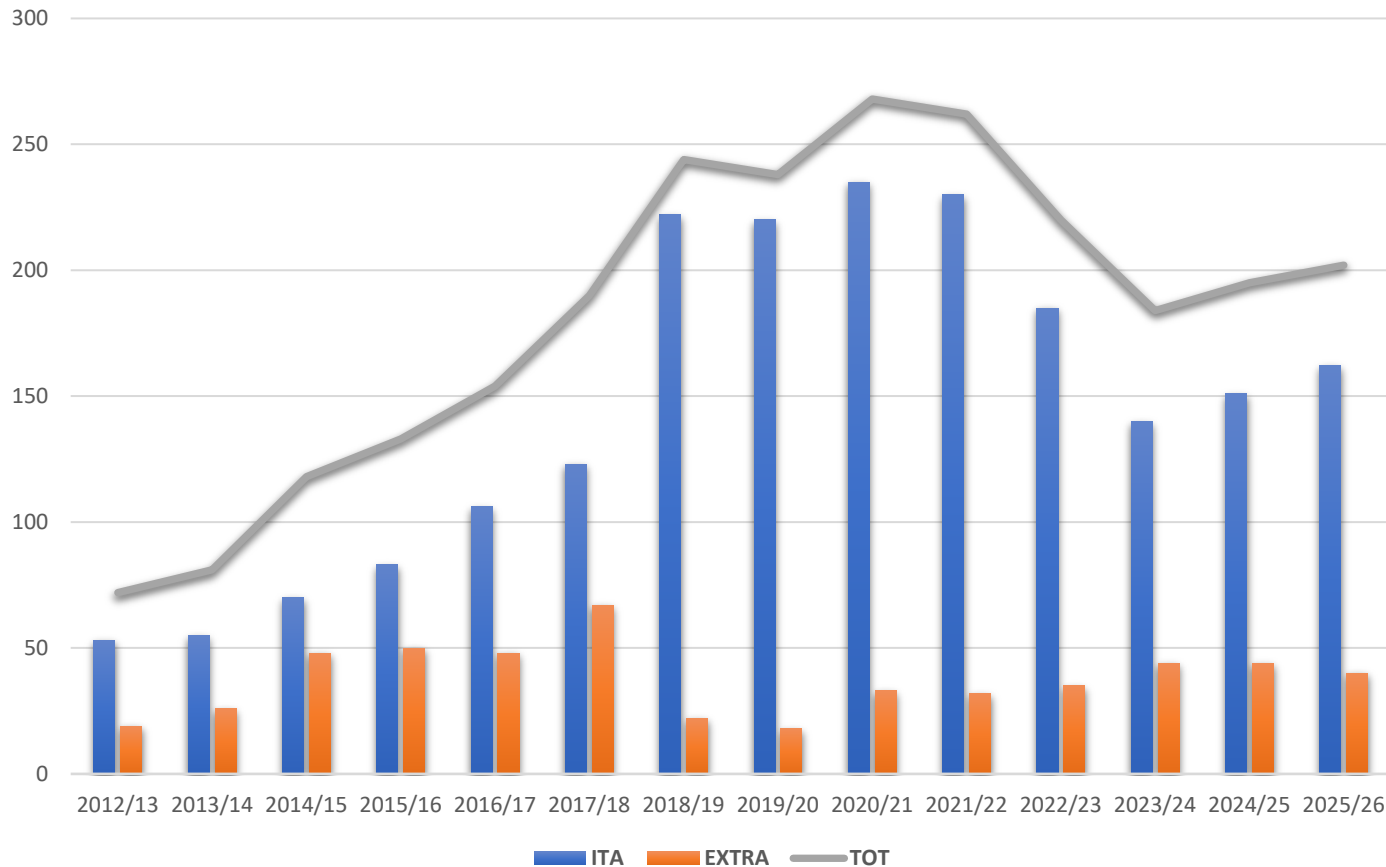


Rolls-Royce



APPLY trends and “output” results

Mechatronics Engineering Students



Average employment rate

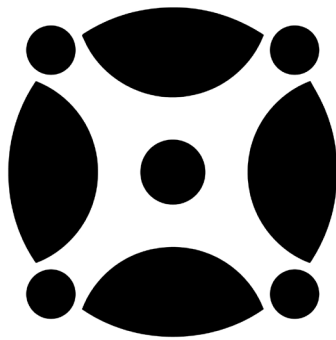
98%

Time to first job

0-1 month

PIC4SeR – Interdepartmental Centre for Service Robotics

<https://pic4ser.polito.it>



PIC4SeR

LIM Mechatronics Laboratory

<http://www.lim.polito.it/>

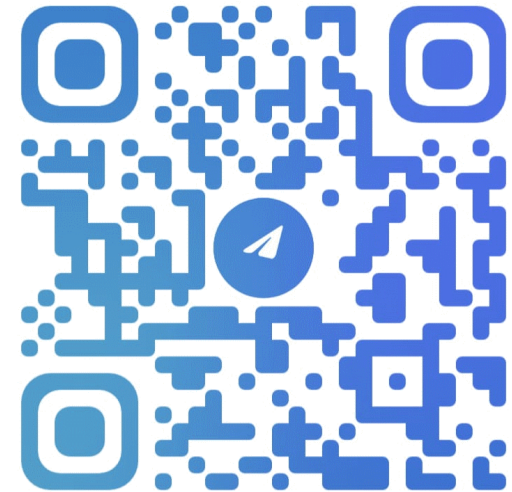


Corso di laurea magistrale

MECHATRONIC ENGINEERING (INGEGNERIA MECCATRONICA)



<https://www.polito.it/didattica/corsi-di-laurea-magistrale/mechatronic-engineering-ingegneria-meccatronica>



@MECHATRONICENG

<https://t.me/MechatronicEng>



Politecnico
di Torino

SALONE DELL'ORIENTAMENTO 2026