POLITECNICO DI MILANO

ME2: MECHATORNICS AND ROBOTICS

Track 2

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ME2: Skills you will acquire...

After graduating, you will have developed numerous **advanced technical skills**. For example, you will be able to:

- Manage multiphysics/multidomain design processes;
- Design, monitor and control complex mechatronic systems;
- Design, monitor and control (co)robotic systems (from traditional anthropomorphic robots to humanoid and bioinspired robots);
- Develop high performance control logics (for vehicles, drones, machines, subsystems, ...);
- Exploit the potentialities of smart materials/ metamaterials for innovative (smart) systems.







- BA

ME2: Career Opportunities

After graduating, you will be able to **pursue your career** (not only, but also) in:

- R&D;
- Automotive;
- Aerospace;
- Manufacturing;
- Robotics;
- Electronics & Automation;
- Mechanics and Installation;
- Business Services;
- Consulting.





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ME2: Track Mandatory and Elective Courses

COURSETITLE	SEM	ECTS
Mechatronic Systems and Laboratory A	1	10
Automatic Control A	1	10
Frack Elective Courses I		6
Vehicle Dynamics and Control B	1	6
Mechanical Systems Reliability	1	6
Electrical Drives for Industry and Transport Applications	2	6
Functional Mechanical Design	2	6
Track Elective Courses II (2 out of 16 courses available)		12
	1-2	6
	1-2	6
Max. 1 course to be chosen from GROUP OPEN	1-2	6

For further information click here:

38 ECTS

Track Mandatory

Courses

20 ECTS

Track Elective

Courses

18 ECTS

https://www8.ceda.polimi.it/manifesti/manifesti/controller/extra/RegolamentoPublic.do?jaf_c urrentWFID=main&EVN_DEFAULT=evento&aa=2020&k_corso_la=483&lang=EN



ME2: Examples of Master's Thesis



Optimal landing strategy

Safe falling strategy of humanoid robot Autonomous vehicles in complex environments



Metamaterials for vibration isolation

ME2: Partners



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