

## University of Pavia

## Study Course: INDUSTRIAL AUTOMATION ENGINEERING - 06417

Classe LM-25 Ingegneria dell'automazione

Regulations 2015/2016 - Course Regulations a.y. 2022/2023

Study Plan academic year 2023/2024

STUDENT NUMBER N. ....	SURNAME- NAME .....
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## TRACK 01 - ROBOTICS AND MECHATRONICS

1° Year - academic year 2022/2023

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504714 - PROCESS CONTROL AND ROBOTICS	12	1		X			
Teaching Units PROCESS CONTROL AND ROBOTICS							
504462 - PROCESS CONTROL	6				ING-INF/04	Distinctive	
504463 - ROBOT CONTROL	6				ING-INF/04	Distinctive	
507218 - ELECTRONICS FOR INDUSTRIAL MEASUREMENTS	6	2		X	ING-INF/01	Related/Supplementary	
504715 - ADVANCED AUTOMATION AND CONTROL	9	3		X	ING-INF/04	Distinctive	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	4				Optional	
500544 - ELETTRONICA	6	4			ING-INF/01	Optional	
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	4			MAT/08	Optional	
504707 - ARTIFICIAL INTELLIGENCE	6	4			ING-INF/05	Optional	
505012 - LASER SAFETY	6	4			FIS/03	Optional	
507219 - LOGISTICS MANAGEMENT	6	4			ING-IND/17	Optional	
507215 - STRATEGIC MANAGEMENT AND BUSINESS PLANNING	6	4			SECS-P/08	Optional	
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A	6	4			ING-INF/04	Optional	
504703 - COMPUTER VISION	6	5			ING-INF/05	Related/Supplementary	
507282 - MECCATRONICA	6	5			ING-INF/05	Related/Supplementary	
508100 - AUTOMATED MECHANICAL SYSTEM DESIGN	6	6		X	ING-IND/13	Distinctive	
504717 - INDUSTRIAL CONTROL	6	7		X	ING-INF/04	Distinctive	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	8				Optional	
504062 - CONVERSIONE STATICA DELL'ENERGIA	6	8			ING-IND/32	Optional	
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	8			ING-INF/05	Optional	
509071 - MACHINE LEARNING	6	8			ING-INF/05	Optional	
504464 - ORGANIZATION THEORY AND DESIGN	6	8			SECS-P/06	Optional	
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6	8			ING-INF/04	Optional	

**06417 - LM Industrial Automation Engineering Coorte 2022**

TOT. 57 CFU							

**2° Year - academic year 2023/2024**

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504719 - ROBOTICS	6	9		X	ING-INF/05	Related/Supplementary	
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	9	10		X	ING-IND/32	Distinctive	
507214 - WIRED AND WIRELESS COMMUNICATION SYSTEMS	6	11		X	ING-INF/03	Related/Supplementary	
509684 - APPLIED ROBOTICS TECHNOLOGIES	9	12		X	ING-IND/13	Distinctive	
507216 - LEAN PRODUCTION	6	13			ING-IND/17	Related/Supplementary	
507219 - LOGISTICS MANAGEMENT	6	13			ING-IND/17	Related/Supplementary	
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14			ING-IND/35	Other	
509683 - SAFETY IN ENGINEERING AND TECHNOLOGY	3	14			ING-IND/31	Other	
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	
TOT. 63 CFU							

**TRACK 02 - INDUSTRIAL TECHNOLOGIES AND MANAGEMENT**

**1° Year - academic year 2022/2023**

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504714 - PROCESS CONTROL AND ROBOTICS	12	1		X			
Teaching Units PROCESS CONTROL AND ROBOTICS							
504462 - PROCESS CONTROL	6				ING-INF/04	Distinctive	
504463 - ROBOT CONTROL	6				ING-INF/04	Distinctive	
507218 - ELECTRONICS FOR INDUSTRIAL MEASUREMENTS	6	2		X	ING-INF/01	Related/Supplementary	
504715 - ADVANCED AUTOMATION AND CONTROL	9	3		X	ING-INF/04	Distinctive	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	4				Optional	
500544 - ELETTRONICA	6	4			ING-INF/01	Optional	
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	4			MAT/08	Optional	
504707 - ARTIFICIAL INTELLIGENCE	6	4			ING-INF/05	Optional	
505012 - LASER SAFETY	6	4			FIS/03	Optional	
509079 - ENERGY MARKETS AND SUPPLY STRUCTURE	6	4			ING-IND/32	Optional	
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A	6	4			ING-INF/04	Optional	

**06417 - LM Industrial Automation Engineering Coorte 2022**

510188 - ECONOMICS OF DIGITAL MARKETS	6	4			SECS-P/01	Optional	
507215 - STRATEGIC MANAGEMENT AND BUSINESS PLANNING	6	5		X	SECS-P/08	Related/Supplementary	
508100 - AUTOMATED MECHANICAL SYSTEM DESIGN	6	6		X	ING-IND/13	Distinctive	
504464 - ORGANIZATION THEORY AND DESIGN	6	7		X	SECS-P/06	Related/Supplementary	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	8				Optional	
504062 - CONVERSIONE STATICA DELL'ENERGIA	6	8			ING-IND/32	Optional	
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	8			ING-INF/05	Optional	
509071 - MACHINE LEARNING	6	8			ING-INF/05	Optional	
504717 - INDUSTRIAL CONTROL	6	8			ING-INF/04	Optional	
507906 - APPLIED PROJECT MANAGEMENT	6	8			SECS-P/08	Optional	
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6	8			ING-INF/04	Optional	
<b>TOT. 57 CFU</b>							

**2° Year - academic year 2023/2024**

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504719 - ROBOTICS	6	9		X	ING-INF/05	Related/Supplementary	
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	9	10		X	ING-IND/32	Distinctive	
507216 - LEAN PRODUCTION	6	11		X	ING-IND/17	Related/Supplementary	
509684 - APPLIED ROBOTICS TECHNOLOGIES	9	12		X	ING-IND/13	Distinctive	
507219 - LOGISTICS MANAGEMENT	6	13		X	ING-IND/17	Related/Supplementary	
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14			ING-IND/35	Other	
509683 - SAFETY IN ENGINEERING AND TECHNOLOGY	3	14			ING-IND/31	Other	
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	
<b>TOT. 63 CFU</b>							

- [For the semester assigned to each training activity, refer to the timetable published on the Faculty website](#)
- [For more information please refer to the course catalogue](#)

Date .....

Signature .....

The study plan is not to be modified. Students can apply for an exception but they have to submit a valid motive. When a student submit a change which is not proposed in a standard study plan, the study plan becomed an individual study plan.

In order to do so, draw a line on the subject you wish to change, add the new subject in the orange boxes at the end of the study plan.

Insert the progressive number assigned to the subject you wish to change.

Please note that a revenue stamp of 16€ is due to apply for an individual study plan. This new plan will have to be approved by the committee designated by the competent Teaching Council.