

University of Pavia

Study Course: INDUSTRIAL AUTOMATION ENGINEERING - 06417

Classe LM-25 Ingegneria dell'automazione

Regulations 2015/2016 - Course Regulations a.y. 2023/2024

Study Plan academic year 2023/2024

STUDENT NUMBER N. SURNAME- NAME

TRACK 01 - ROBOTICS AND MECHATRONICS

1° Year - academic year 2023/2024

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	
510799 - ALGORITHMS AND SYSTEMS FOR ROBOTICS	6	3		X	ING-INF/05	Related/Supplementary	
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	
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	
509674 - POWER ELECTRONICS	6	8		X	IND-IND/32	Distinctive	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	9				Optional	
505012 - LASER SAFETY	6	9			FIS/03	Optional	
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	9			ING-INF/05	Optional	
509071 - MACHINE LEARNING	6	9			ING-INF/05	Optional	
504464 - ORGANIZATION THEORY AND DESIGN	6	9			SECS-P/06	Optional	

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502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6	9			ING-INF/04	Optional	
TOT. 60 CFU							

2° Year - academic year 2024/2025

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	6	10		X	ING-IND/32	Distinctive	
510805 - NONLINEAR CONTROL AND OPTIMIZATION	12	11		X	ING-INF/04	Distinctive	
Teaching Units NONLINEAR CONTROL AND OPTIMIZATION							
510806 - NONLINEAR CONTROL	6				ING-INF/04	Distinctive	
510807 - OPTIMIZATION FOR CONTROL	6				ING-INF/04	Distinctive	
507214 - WIRED AND WIRELESS COMMUNICATION SYSTEMS	6	12		X	ING-INF/03	Related/Supplementary	
509684 - APPLIED ROBOTICS TECHNOLOGIES	9	13		X	ING-IND/13	Distinctive	
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS	3	14			NN	Other	
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	
508303 - ENERGY EFFICIENCY IN COMPRESSED AIR SYSTEMS	3	14			ING-IND/32	Other	
510808 - INDUSTRIAL PROJECT	3	14			NN	Other	
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	
TOT. 60 CFU							

TRACK 02 - INDUSTRIAL TECHNOLOGIES AND MANAGEMENT

1° Year - academic year 2023/2024

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	
507219 - LOGISTICS MANAGEMENT	6	3		X	ING-IND/17	Related/Supplementary	
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	4				Optional	

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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	
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	
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	
509674 - POWER ELECTRONICS	6	8		X	IND-IND/32	Distinctive	
<i>FREE CHOICE FROM THE UNIVERSITY COURSE OFFER</i>	6	9				<i>Optional</i>	
505012 - LASER SAFETY	6	9			FIS/03	Optional	
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	9			ING-INF/05	Optional	
509071 - MACHINE LEARNING	6	9			ING-INF/05	Optional	
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6	9			ING-INF/04	Optional	
TOT. 60 CFU							

2° Year - academic year 2024/2025

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	6	10		X	ING-IND/32	Distinctive	
510805 - NONLINEAR CONTROL AND OPTIMIZATION	12	11		X	ING-INF/04	Distinctive	
Teaching Units NONLINEAR CONTROL AND OPTIMIZATION							
510806 - NONLINEAR CONTROL	6				ING-INF/04	Distinctive	
510807 - OPTIMIZATION FOR CONTROL	6				ING-INF/04	Related/Supplementary	
507216 - LEAN PRODUCTION	6	12		X	ING-IND/17	Related/Supplementary	
509684 - APPLIED ROBOTICS TECHNOLOGIES	9	13		X	ING-IND/13	Distinctive	
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS	3	14			NN	Other	
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	
508303 - ENERGY EFFICIENCY IN COMPRESSED AIR SYSTEMS	3	14			ING-IND/32	Other	

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510808 - INDUSTRIAL PROJECT	3	14			NN	Other	
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	
TOT. 63 CFU							

- [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 became 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.