

University of Pavia

Study Course: INDUSTRIAL AUTOMATION ENGINEERING - 06417

Classe LM-25 Ingegneria dell'automazione

Regulations 2015/2016 - Course Regulations a.y. 2020/2021

Study Plan academic year 2021/2022

To be submitted online from October 7th to November 2nd 2021 (enrolled student only)

STUDENT NUMBER N. SURNAME- NAME

TRACK 01 - ROBOTICS AND MECHATRONICS

1° Year - academic year 2020/2021

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
500543 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI	12	1					All Year
Teaching Units IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI							
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A	6				ING-INF/04	Distinctive	First Semester
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6				ING-INF/04	Distinctive	Second Semester
504714 - PROCESS CONTROL AND ROBOTICS	12	1					All Year
Teaching Units PROCESS CONTROL AND ROBOTICS							
504462 - PROCESS CONTROL	6				ING-INF/04	Distinctive	First Semester
504463 - ROBOT CONTROL	6				ING-INF/04	Distinctive	Second Semester
507218 - ELECTRONICS FOR INDUSTRIAL MEASUREMENTS	6	2		X	ING-INF/01	Related/Supplementary	First Semester
504715 - ADVANCED AUTOMATION AND CONTROL	9	3		X	ING-INF/04	Distinctive	All Year
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	4				Optional	
500544 - ELETTRONICA	6	4			ING-INF/01	Optional	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	4			MAT/08	Optional	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	4			ING-INF/05	Optional	First Semester
505012 - LASER SAFETY	6	4			FIS/03	Optional	First Semester
507219 - LOGISTICS MANAGEMENT	6	4			ING-IND/17	Optional	First Semester
507215 - STRATEGIC MANAGEMENT AND BUSINESS PLANNING	6	4			SECS-P/08	Optional	First Semester
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A**	6	4			ING-INF/04	Optional	First Semester
504462 - PROCESS CONTROL*	6	4			ING-INF/04	Optional	First Semester
509360 - MECHATRONICS	6	5		X	ING-INF/05	Related/Supplementary	Second Semester

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508100 - AUTOMATED MECHANICAL SYSTEM DESIGN	6	6		X	ING-IND/13	Distinctive	Second Semester
504717 - INDUSTRIAL CONTROL	6	7		X	ING-INF/04	Distinctive	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	8				Optional	
504062 - CONVERSIONE STATICA DELL'ENERGIA	6	8			ING-IND/32	Optional	Second Semester
504989 - NONLINEAR COMPUTATIONAL MECHANICS	6	8			ICAR/08	Optional	Second Semester
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	8			ING-INF/05	Optional	Second Semester
509071 - MACHINE LEARNING	6	8			ING-INF/05	Optional	Second Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	8			SECS-P/06	Optional	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	8			SECS-P/06	Optional	Second Semester
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B**	6	8			ING-INF/04	Optional	Second Semester
504463 - ROBOT CONTROL*	6	8			ING-INF/04	Optional	Second Semester
TOT. 57 CFU							

* Do not choose this exam if you have already chosen "PROCESS CONTROL AND ROBOTICS" as choice n°1

** Do not choose this exam if you have already chosen "IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI" as choice n°1

2° Year - academic year 2021/2022

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504719 - ROBOTICS	6	9		X	ING-INF/05	Related/Supplementary	First Semester
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	12	10		X	ING-IND/32	Distinctive	First Semester
507214 - WIRED AND WIRELESS COMMUNICATION SYSTEMS	6	11		X	ING-INF/03	Related/Supplementary	First Semester
509079 - ENERGY MARKETS AND SUPPLY STRUCTURE	6	12			ING-IND/32	Distinctive	First Semester
502995 - AUTOMAZIONE DEI SISTEMI ELETTRICI	6	12			ING-IND/32	Distinctive	First Semester
507216 - LEAN PRODUCTION	6	13			ING-IND/17	Related/Supplementary	First Semester
507219 - LOGISTICS MANAGEMENT	6	13			ING-IND/17	Related/Supplementary	First Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14			ING-IND/35	Other	Second Semester
509350 - ETICA PER LA PROGETTAZIONE	3	14			SECS-P/13	Other	Second Semester
500376 - PROGRESSO UMANO E SVILUPPO SOSTENIBILE	3	14			SECS-P/02	Other	Second Semester
503313 - TRAZIONE ELETTRICA	3	14			ING-IND/31	Other	Second Semester
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	

TOT. 63 CFU

TRACK 02 - INDUSTRIAL TECHNOLOGIES AND MANAGEMENT**1° Year - academic year 2020/2021**

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
500543 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI	12	1					All Year
Teaching Units IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI							
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A	6				ING-INF/04	Distinctive	First Semester
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B	6				ING-INF/04	Distinctive	Second Semester
504714 - PROCESS CONTROL AND ROBOTICS	12	1					All Year
Teaching Units PROCESS CONTROL AND ROBOTICS							
504462 - PROCESS CONTROL	6				ING-INF/04	Distinctive	First Semester
504463 - ROBOT CONTROL	6				ING-INF/04	Distinctive	Second Semester
507218 - ELECTRONICS FOR INDUSTRIAL MEASUREMENTS	6	2		X	ING-INF/01	Related/Supplementary	First Semester
504715 - ADVANCED AUTOMATION AND CONTROL	9	3		X	ING-INF/04	Distinctive	All Year
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	4				Optional	
500544 - ELETTRONICA	6	4			ING-INF/01	Optional	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	4			MAT/08	Optional	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	4			ING-INF/05	Optional	First Semester
505012 - LASER SAFETY	6	4			FIS/03	Optional	First Semester
507214 - WIRED AND WIRELESS COMMUNICATION SYSTEMS	6	4			ING-INF/03	Optional	First Semester
502522 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI A**	6	4			ING-INF/04	Optional	First Semester
504462 - PROCESS CONTROL*	6	4			ING-INF/04	Optional	First Semester
507215 - STRATEGIC MANAGEMENT AND BUSINESS PLANNING	6	5		X	SECS-P/08	Related/Supplementary	First Semester
508100 - AUTOMATED MECHANICAL SYSTEM DESIGN	6	6		X	ING-IND/13	Distinctive	Second Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	7			SECS-P/06	Related/Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	7			SECS-P/06	Related/Supplementary	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	8				Optional	
504062 - CONVERSIONE STATICA DELL'ENERGIA	6	8			ING-IND/32	Optional	Second Semester
504989 - NONLINEAR COMPUTATIONAL MECHANICS	6	8			ICAR/08	Optional	Second Semester
509074 - DATA SCIENCE AND BIG DATA ANALYTICS	6	8			ING-INF/05	Optional	Second Semester

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509071 - MACHINE LEARNING	6	8			ING-INF/05	Optional	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	8			SECS-P/06	Optional	Second Semester
509360 - MECHATRONICS	6	8			ING-INF/05	Optional	Second Semester
504717 - INDUSTRIAL CONTROL	6	8			ING-INF/04	Optional	Second Semester
502594 - IDENTIFICAZIONE DEI MODELLI E ANALISI DEI DATI B**	6	8			ING-INF/04	Optional	Second Semester
504463 - ROBOT CONTROL*	6	8			ING-INF/04	Optional	Second Semester
TOT. 57 CFU							

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2° Year - academic year 2021/2022

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504719 - ROBOTICS	6	9		X	ING-INF/05	Related/Supplementary	First Semester
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	12	10		X	ING-IND/32	Distinctive	First Semester
507216 - LEAN PRODUCTION	6	11		X	ING-IND/17	Related/Supplementary	First Semester
509079 - ENERGY MARKETS AND SUPPLY STRUCTURE	6	12			ING-IND/32	Distinctive	First Semester
502995 - AUTOMAZIONE DEI SISTEMI ELETTRICI	6	12			ING-IND/32	Distinctive	First Semester
507219 - LOGISTICS MANAGEMENT	6	13		X	ING-IND/17	Related/Supplementary	First Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14			ING-IND/35	Other	Second Semester
509350 - ETICA PER LA PROGETTAZIONE	3	14			SECS-P/13	Other	Second Semester
500376 - PROGRESSO UMANO E SVILUPPO SOSTENIBILE	3	14			SECS-P/02	Other	Second Semester
503313 - TRAZIONE ELETTRICA	3	14			ING-IND/31	Other	Second Semester
503327 - MASTER THESIS	24				PROFIN_S	Final Exam	
TOT. 63 CFU							

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.