

# University of Pavia

## Study Course: COMPUTER ENGINEERING - 06415

### Classe LM-32 Ingegneria informatica

### Regulations 2012/2013 - Course Regulations a.y. 2018/2019

### Study Plan academic year 2019/2020

To be submitted online from 22nd October 2019 to 12th November 2019 (enrolled student only)

STUDENT NUMBER N. ....	SURNAME- NAME .....
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### TRACK 07 - EMBEDDED AND CONTROL SYSTEMS

#### 1° Year - academic year 2018/2019

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504714 - PROCESS CONTROL AND ROBOTICS	12	1		X			All Year
Teaching Unit of PROCESS CONTROL AND ROBOTICS							
504462 - PROCESS CONTROL	6				ING-INF/04	Distinctive	First Semester
504463 - ROBOT CONTROL	6				ING-INF/04	Distinctive	Second Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	2		X	MAT/08	Related/Supplementary	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	3		X	ING-INF/05	Distinctive	First Semester
504715 - ADVANCED AUTOMATION AND CONTROL	9	4		X	ING-INF/04	Distinctive	All Year
504707 - ARTIFICIAL INTELLIGENCE	6	5*			ING-INF/05	Distinctive	First Semester
504703 - COMPUTER VISION	6	5*			ING-INF/05	Distinctive	First Semester
504718 - INFORMATION SECURITY	6	5*			ING-INF/05	Distinctive	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	5*			ING-INF/05	Distinctive	First Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	5*			ING-INF/05	Distinctive	First Semester
504705 - SOFTWARE ENGINEERING	6	5*			ING-INF/05	Distinctive	First Semester
507320 - DIGITAL CONTENT RETRIEVAL	12	5*-9*					All Year
Teaching Unit of DIGITAL CONTENT RETRIEVAL							
507320 - DIGITAL CONTENT RETRIEVAL	6	5*			ING-INF/05	Distinctive	First Semester
507320 - DIGITAL CONTENT RETRIEVAL	6	9*			ING-INF/05	Optional	Second Semester

504709 - HUMAN COMPUTER INTERACTION	6	5*			ING-INF/05	Distinctive	Second Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	6			SECS-P/06	Related/Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	6			SECS-P/06	Related/Supplementary	Second Semester
504716 - INDUSTRIAL INFORMATICS AND EMBEDDED SYSTEMS	6	7		X	ING-INF/05	Distinctive	Second Semester
504717 - INDUSTRIAL CONTROL	6	8		X	ING-INF/04	Distinctive	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	9*				Optional	
502956 - APPRENDIMENTO AUTOMATICO IN MEDICINA	6	9*			ING-INF/06	Optional	Second Semester
502466 - ELETTRONICA DI POTENZA	6	9*			ING-INF/01	Optional	Second Semester
502547 - FISICA TECNICA A	6	9*			ING-IND/10	Optional	Second Semester
504709 - HUMAN COMPUTER INTERACTION	6	9*			ING-INF/05	Optional	Second Semester
502504 - MODELLI DI SISTEMI BIOLOGICI	6	9*			ING-INF/06	Optional	Second Semester
<b>TOT. 63 CFU</b>							

\*Choose 6 CFU for choice n° 5; Choose 6 CFU for choice n° 9; "DIGITAL CONTENT RETRIEVAL" can be included as 12 CFU for choice n° 5 (if so you cannot choose any exam for choice n°9 because you already fulfilled all your optional 12 CFU)

## 2° Year - academic year 2019/2020

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504719 - ROBOTICS	6	10		X	ING-INF/05	Distinctive	First Semester
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	9	11		X	ING-IND/32	Related/Supplementary	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	12*			ING-INF/05	Distinctive	First Semester
504703 - COMPUTER VISION	6	12*			ING-INF/05	Distinctive	First Semester
507320 - DIGITAL CONTENT RETRIEVAL	12	12-13*					All Year
Teaching Unit of DIGITAL CONTENT RETRIEVAL							
507320 - DIGITAL CONTENT RETRIEVAL	6	12*			ING-INF/05	Distinctive	First Semester
507320 - DIGITAL CONTENT RETRIEVAL	6	13*			ING-INF/05	Optional	Second Semester
504718 - INFORMATION SECURITY	6	12*			ING-INF/05	Distinctive	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	12*			ING-INF/05	Distinctive	First Semester

502975 - PROGETTO DI SISTEMI DIGITALI	6	12*			ING-INF/05	Distinctive	First Semester
504705 - SOFTWARE ENGINEERING	6	12*			ING-INF/05	Distinctive	First Semester
504709 - HUMAN COMPUTER INTERACTION	6	12*			ING-INF/05	Distinctive	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6	13*				Optional	
508734 - ADVANCED BIOMEDICAL MACHINE LEARNING	6	13*			ING-INF/06	Optional	Second Semester
507217 - AUTOMATION AND COMMUNICATION IN INDUSTRIAL SYSTEMS	6	13*			ING-IND/32	Optional	First Semester
504703 - COMPUTER VISION	6	13*			ING-INF/05	Optional	First Semester
507218 - ELECTRONICS FOR INDUSTRIAL MEASUREMENTS	6	13*			ING-INF/01	Optional	First Semester
502515 - ELETTRONICA DEI SISTEMI DIGITALI	6	13*			ING-INF/01	Optional	First Semester
500474 - FISICA MATEMATICA	6	13*			MAT/07	Optional	First Semester
504718 - INFORMATION SECURITY	6	13*			ING-INF/05	Optional	First Semester
500548 - MECCANICA APPLICATA ALLE MACCHINE	6	13*			ING-IND/13	Optional	First Semester
502993 - MICROSENSORI, MICROSISTEMI INTEGRATI E MEMS	6	13*			ING-INF/01	Optional	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	13*			ING-INF/05	Optional	First Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	13*			ING-INF/05	Optional	First Semester
504705 - SOFTWARE ENGINEERING	6	13*			ING-INF/05	Optional	First Semester
507215 - STRATEGIC MANAGEMENT AND BUSINESS PLANNING	6	13*			SECS-P/08	Optional	First Semester
507216- LEAN PRODUCTION	6	13*			ING-IND/17	Optional	First Semester
507219 - LOGISTICS MANAGEMENT	6	13*			ING-IND/17	Optional	First Semester
509033 - SOFTWARE PROJECT FOR DIGITAL TRANSFORMATION	6	13*			ING-ING/05	Optional	First Semester
501246 - ETICA AMBIENTALE	3	14*			SECS-P/13	Other	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14*			ING-IND/35	Other	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	14*			ING-INF/06	Other	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	14*			NN	Other	
503327 - MASTER THESIS	24			X	PROFIN_S	Final Exam	

TOT. 57 CFU

\*Choose 6 CFU for each choice n°12, 13 and 14 (total of 18 CFU)

## TRACK 02 - COMPUTER SCIENCE AND MULTIMEDIA

### 1° Year - academic year 2018/2019

Attività Formativa	CFU	N°	N° (ind.)	Obbl.	Settore	Tipo di attività formativa	Periodo
507320 - DIGITAL CONTENT RETRIEVAL	12	1		X	ING-INF/05	Distinctive	All Year
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	2		X	MAT/08	Related/Supplementary	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	3		X	ING-INF/05	Distinctive	First Semester
504703 - COMPUTER VISION	6	4		X	ING-INF/05	Distinctive	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	5		X	ING-INF/05	Distinctive	First Semester
505000 - RADAR REMOTE SENSING	6	6*			ING-INF/03	Related/Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	6*			SECS-P/06	Related/Supplementary	Second Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	6*			SECS-P/06	Related/Supplementary	Second Semester
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	7		X	ING-INF/05	Distinctive	Second Semester
504709 - HUMAN COMPUTER INTERACTION	6	8		X	ING-INF/05	Distinctive	Second Semester
TOT. 60 CFU							

\*Choose 6 CFU for choice n°6.

### 2° Year - academic year 2019/2020

Learning Activity	CFU	N°	N° (ind.)	Compulsory	Scientific Area	Type of learning activity	Period
504462 - PROCESS CONTROL	6	9			ING-INF/04	Related/Supplementary	First Semester
504463 - ROBOT CONTROL	6	9			ING-INF/04	Related/Supplementary	Second Semester
504717 - INDUSTRIAL CONTROL	6	9			ING-INF/04	Related/Supplementary	Second Semester
504718 - INFORMATION SECURITY	6	10		X	ING-INF/05	Distinctive	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	11*			ING-INF/05	Distinctive	First Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	11*			ING-INF/05	Distinctive	First Semester
504719 - ROBOTICS	6	11*			ING-INF/05	Distinctive	First Semester

504705 - SOFTWARE ENGINEERING	6	11*			ING-INF/05	Distinctive	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12	12*-13*				Optional	
504707 - ARTIFICIAL INTELLIGENCE	6	12*-13*			ING-INF/05	Optional	First Semester
507288 - INTERNET AND MULTIMEDIA	6	12*-13*			ING-INF/03	Optional	First Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	12*-13*			SECS-P/06	Optional	Second Semester
504462 - PROCESS CONTROL	6	12*-13*			ING-INF/04	Optional	First Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	12*-13*			ING-INF/05	Optional	First Semester
504463 - ROBOT CONTROL	6	12*-13*			ING-INF/04	Optional	Second Semester
504719 - ROBOTICS	6	12*-13*			ING-INF/05	Optional	First Semester
504705 - SOFTWARE ENGINEERING	6	12*-13*			ING-INF/05	Optional	First Semester
505018 - SATELLITE DATA ANALYSIS	6	12*-13*			ING-INF/03	Optional	First Semester
509033 - SOFTWARE PROJECT FOR DIGITAL TRANSFORMATION	6	12*-13*			ING-ING/05	Optional	First Semester
501246 - ETICA AMBIENTALE	3	14*			SECS-P/13	Other	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	14*			ING-IND/35	Other	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	14*			ING-INF/06	Other	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	14*			NN	Other	
503327 - MASTER THESIS	24			X	PROFIN_S	Final Exam	
<b>TOT. 60 CFU</b>							

\*Choose 6 CFU for choice n°9; choose 6 CFU for choice n° 11; choose 12 CFU for choices n°12-13; choose 6 CFU for choice n°14

Date .....

Signature .....

**Variations on the study plan will not be approved unless they are justified by important reasons. If you wish to make different choices from the one provided, the study plan is individual. (WRITE THE NEW NAME OF EXAM IN THE COLORED BOX AND DRAW A LINE ON THE EXAM YOU WISH TO CHANGE. WRITE THE NUMBER OF CHOICE THE EXAM REFERS TO IN THE COLORED BOX)**

**It is required to add a revenue stamp of 16€ to the form and the study plan will be submitted to the qualified Teaching Council**

**Approved by the Teaching Council of .....**

**THIS STUDY PLAN IS WRITTEN IN COMPLIANCE TO THE STUDY COURSE REGULATIONS AND TO THE STUDENT ENROLLMENT CLASS ("SCHEDA RAD")**

**HEAD OF THE TEACHING COUNCIL SIGNATURE .....**