

Università degli Studi di Pavia
Corso di Studio: COMPUTER ENGINEERING - 06415
Classe LM-32 Ingegneria informatica
Ordinamento 2012/2013 - Regulations Year 2014/2015

Study plan academic year 2015-16

to submit online between November 11 and December 1, 2015 when enrollment is effective

MATRICOLA - Student Nr. À À À À À SURNAME NAME À ...
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CURRICULUM 01 - INDUSTRIAL AUTOMATION

1st year - academic year 2014/2015

Learning Activity	credits	N°	compul sory	Sector	Type of learning activity	Period
504714 - PROCESS CONTROL AND ROBOTICS	12	1	X			Single Year
Unità Didattiche di PROCESS CONTROL AND ROBOTICS						
504462 - PROCESS CONTROL	6			ING-INF/04	Distinctive	
504463 - ROBOT CONTROL	6			ING-INF/04	Distinctive	
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	Related/ Supplementary	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	5 *		ING-INF/05	Distinctive	First Semester
504720 - COMPUTER GRAPHICS	6	5 *		ING-INF/05	Distinctive	First Semester
504703 - COMPUTER VISION	6	5 *		ING-INF/05	Distinctive	First Semester
504724 - DESIGN OF ENTERPRISE SYSTEMS	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
504711 - MULTIMEDIA DATABASES **	12	9+5 *				Single Year
Unità Didattiche di MULTIMEDIA DATABASES						
504711 - MULTIMEDIA DATABASES	6	9		ING-INF/05	Optional	
504711 - MULTIMEDIA DATABASES	6	5		ING-INF/05	Distinctive	
506577 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. A	6	5 *		ING-INF/05	Distinctive	First Semester
506578 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. B	6	5 *		ING-INF/05	Distinctive	First Semester

504708 - ECONOMICS FOR THE DIGITAL SOCIETY	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
504464 - ORGANIZATION THEORY AND DESIGN	6	6-9 *		SECS-P/06	Related/ Supplementary	Second Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	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
TOT. 63 credits						

* Choice of 6 credits in position n. 5 "Distinctive "; Choice of 6 credits in position n. 9 "Optional ".

** MULTIMEDIA DATABASES - Can be inserted for 12 credits in choice n. 5 or in choice n. 9 , if you choose n.5 you cannot choose n.9 because you already have 12 credits "Optional ".

2nd year - academic year 2015/2016

Learning Activity	credits	N°	compulsory	Sector	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
504724 - DESIGN OF ENTERPRISE SYSTEMS	6	12 *		ING-INF/05	Distinctive	First 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
506577 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. A	6	12 *		ING-INF/05	Distinctive	First Semester
506578 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. B	6	12 *		ING-INF/05	Distinctive	First Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	6	13 *			Optional	
502515 - ELETTRONICA DEI SISTEMI DIGITALI	6	13 *		ING-INF/01	Optional	First Semester
500474 - FISICA MATEMATICA	6	13 *		MAT/07	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
503135 - SISTEMI E COMPONENTI PER L'AUTOMAZIONE	6	13 *		ING-IND/32	Optional	Second Semester
504707 - ARTIFICIAL INTELLIGENCE	6	13 *		ING-INF/05	Optional	First Semester
504703 - COMPUTER VISION	6	13 *		ING-INF/05	Optional	First Semester
504724 - DESIGN OF ENTERPRISE SYSTEMS	6	13 *		ING-INF/05	Optional	First Semester
504718 - INFORMATION SECURITY	6	13 *		ING-INF/05	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
506577 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. A	6	13 *		ING-INF/05	Optional	First Semester
506578 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. B	6	13 *		ING-INF/05	Optional	First Semester
503768 - CERTIFICAZIONE INFORMATICA EUCIP	6	14 *		ING-INF/05	Other	Single Year
501246 - ETICA AMBIENTALE	3	14 *		ICAR/03	Other	Second Semester
503281 - PROGETTO, GESTIONE E PRODUZIONE DI BENI E SERVIZI	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	Single Year
503327 - MASTER THESIS	24	15		PROFIN_S	final exam	
TOT. 57 credits						

* Choice of 6 credits For each choice in positions n. 12 "Distinctive ", n. 13 "Optional ", n. 14 "Other ".

CURRICULUM 02 - COMPUTER SCIENCE AND MULTIMEDIA

1st year - academic year 2014/2015

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504711 - MULTIMEDIA DATABASES	12	1	X	ING-INF/05	Distinctive	Single 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
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
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	7	X	ING-INF/05	Distinctive	Second Semester
504709 - HUMAN COMPUTER INTERACTION	6	8	X	ING-INF/05	Related/ Supplementary	Second Semester
TOT. 60 credits						

* Choice of 6 credits "Related/ Supplementary" in position n. 6.

2nd year - academic year 2015/2016

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504462 - PROCESS CONTROL	6	9	X	ING-INF/04	Related/ Supplementary	First Semester
504702 - INDUSTRIAL AUTOMATION	6	10	X	ING-INF/04	Distinctive	First Semester
504718 - INFORMATION SECURITY	6	11	X	ING-INF/05	Related/ Supplementary	First Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	12	12-13 *			Optional	
504705 - SOFTWARE ENGINEERING	6	12-13 *		ING-INF/05	Optional	First Semester
504719 - ROBOTICS	6	12-13 *		ING-INF/05	Optional	First Semester
504707 - ARTIFICIAL INTELLIGENCE	6	12-13 *		ING-INF/05	Optional	First Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	12-13 *		ING-INF/05	Optional	First Semester
504724 - DESIGN OF ENTERPRISE SYSTEMS	6	12-13 *		ING-INF/05	Optional	First Semester
506577 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. A	6	12-13 *		ING-INF/05	Optional	First Semester
506578 - BUSINESS ANALYSIS AND SERVICE DESIGN - MOD. B	6	12-13 *		ING-INF/05	Optional	First Semester
502962 - INTERNET E MULTIMEDIA	6	12-13 *		ING-INF/03	Optional	First Semester
503768 - CERTIFICAZIONE INFORMATICA EUCIP	6	14 *		ING-INF/05	Other	Single Year
501246 - ETICA AMBIENTALE	3	14 *		ICAR/03	Other	Second Semester
503281 - PROGETTO, GESTIONE E PRODUZIONE DI BENI E SERVIZI	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	Single Year
503327 - MASTER THESIS	24	15	X	PROFIN_S	final exam	
TOT. 60 credits						

* Choice of 12 credits "Optional " in position n. 12- 13; Choice of 6 credits "Other " in position n. 14.

CURRICULUM 03 - SERVICES ENGINEERING

1st year - academic year 2014/2015

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504711 - MULTIMEDIA DATABASES	12	1	X	ING-INF/05	Distinctive	Single 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
504705 - SOFTWARE ENGINEERING	6	4	X	ING-INF/05	Distinctive	First Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	6	5 *			Optional	
504703 - COMPUTER VISION	6	5 *		ING-INF/05	Optional	First Semester
504718 - INFORMATION SECURITY	6	5 *		ING-INF/05	Optional	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	5 *		ING-INF/05	Optional	First Semester
504462 - PROCESS CONTROL	6	5 *		ING-INF/04	Optional	First Semester
504719 - ROBOTICS	6	5 *		ING-INF/05	Optional	First Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	6		SECS-P/06	Related/Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	6-8 *		SECS-P/06	Related/Supplementary - Optional	Second Semester
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	7	X	ING-INF/05	Related/Supplementary	Second Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	6	8 *			Optional	
504709 - HUMAN COMPUTER INTERACTION	6	8 *		ING-INF/05	Optional	Second Semester
504717 - INDUSTRIAL CONTROL	6	8 *		ING-INF/04	Optional	Second Semester
504716 - INDUSTRIAL INFORMATICS AND EMBEDDED SYSTEMS	6	8 *		ING-INF/05	Optional	Second Semester
504463 - ROBOT CONTROL	6	8 *		ING-INF/04	Optional	Second Semester
TOT. 60 credits						

* Choice of 6 credits in position n. 5 "Optional "; Choice of 6 credits in position n. 6 "Related/Supplementary"; Choice of 6 credits " Optional " in position n. 8.

2nd year - academic year 2015/2016

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504702 - INDUSTRIAL AUTOMATION	6	9	X	ING-INF/04	Distinctive	First Semester

503235 - CUSTOMER RELATIONSHIP MANAGEMENT SYSTEMS	6	10	X	ING-INF/05	Distinctive	First Semester
503233 - BUSINESS ANALYSIS AND SERVICE DESIGN	12	11	X	ING-INF/05	Distinctive	First Semester
504724 - DESIGN OF ENTERPRISE SYSTEM	6	12	X	ING-INF/05	Related/ Supplementary	First Semester
503768 - CERTIFICAZIONE INFORMATICA EUCIP	6	13 *		ING-INF/05	Other	Single Year
501246 - ETICA AMBIENTALE	3	13 *		ICAR/03	Other	Second Semester
503281 - PROGETTO, GESTIONE E PRODUZIONE DI BENI E SERVIZI	3	13 *		ING-IND/35	Other	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	13 *		ING-INF/06	Other	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	13 *		NN	Other	Single Year
503327 - MASTER THESIS	24	14		PROFIN_S	final exam	
TOT. 60 credits						

* Choice of 6 credits in position n. 13 " Other ".

CURRICULUM 05 - DOUBLE MASTER IN SERVICES ENGINEERING A

1st year - academic year 2014/2015

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	1	X	MAT/08	Related/ Supplementary	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
504703 - COMPUTER VISION	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
504718 - INFORMATION SECURITY	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
504719 - ROBOTICS	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
504705 - SOFTWARE ENGINEERING	6	2-3-4 *		ING-INF/05	Related/ Supplementary /Optional	First Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	6	3-4 *			Optional	
504462 - PROCESS CONTROL	6	3-4 *		ING-INF/04	Optional	First Semester
504702 - INDUSTRIAL AUTOMATION	6	5	X	ING-INF/04	Distinctive	First Semester
504725 - OTHER ACTIVITIES	6	6	X	NN	Other	
504858 - SYSTEMS ANALYSIS	9	7	X	ING-INF/05	Distinctive	

504711 - MULTIMEDIA DATABASES	12	8	X	ING-INF/05	Distinctive	Single Year
504859 - ADVANCED SOFTWARE ENGINEERING	9	9	X	ING-INF/05	Distinctive	
TOT. 66 credits						

* Choice of 6 credits "Related/ Supplementary" in position n. 2; Choice of 12 credits "Optional " in position n. 3, 4.

2nd year - academic year 2015/2016

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
503235 - CUSTOMER RELATIONSHIP MANAGEMENT SYSTEMS	6	10	X	ING-INF/05	Related/ Supplementary	First Semester
503233 - BUSINESS ANALYSIS AND SERVICE DESIGN	12	11	X	ING-INF/05	Distinctive	First Semester
504724 - DESIGN OF ENTERPRISE SYSTEM	6	12	X	ING-INF/05	Related/ Supplementary	First Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	13 *		SECS-P/06	Related/ Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	13 *		SECS-P/06	Related/ Supplementary	Second Semester
503327 - MASTER THESIS	24	14		PROFIN_S	final exam	
TOT. 54 credits						

* Choice of 6 credits in position n. 13.

CURRICULUM 06 - DOUBLE MASTER IN SERVICES ENGINEERING B

1st year - academic year 2014/2015

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	1	X	MAT/08	Related/ Supplementary	First Semester
503235 - CUSTOMER RELATIONSHIP MANAGEMENT SYSTEMS	6	2	X	ING-INF/05	Distinctive	First Semester
503233 - BUSINESS ANALYSIS AND SERVICE DESIGN	12	3	X	ING-INF/05	Distinctive	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	4 *		ING-INF/05	Distinctive	First Semester
504703 - COMPUTER VISION	6	4 *		ING-INF/05	Distinctive	First Semester
504718 - INFORMATION SECURITY	6	4 *		ING-INF/05	Distinctive	First Semester
504706 - MULTIMEDIA SYSTEMS AND TECHNOLOGIES	6	4 *		ING-INF/05	Distinctive	First Semester
504719 - ROBOTICS	6	4 *		ING-INF/05	Distinctive	First Semester
504705 - SOFTWARE ENGINEERING	6	4 *		ING-INF/05	Distinctive	First Semester

504462 - PROCESS CONTROL	6	5 *		ING-INF/04	Distinctive	First Semester
504702 - INDUSTRIAL AUTOMATION	6	5 *		ING-INF/04	Distinctive	First Semester
504717 - INDUSTRIAL CONTROL	6	5 *		ING-INF/04	Distinctive	Second Semester
504463 - ROBOT CONTROL	6	5 *		ING-INF/04	Distinctive	Second Semester
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	6 *		ING-INF/05	Optional	Second Semester
FREE CHOICE OFFERED BY THE UNIVERSITY	12	6 *			Optional	Second Semester
504709 - HUMAN COMPUTER INTERACTION	6	7	X	ING-INF/05	Distinctive	Second Semester
504708 - ECONOMICS FOR THE DIGITAL SOCIETY	6	8 *		SECS-P/06	Related/ Supplementary	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	8 *		SECS-P/06	Related/ Supplementary	Second Semester
TOT. 60 credits						

*** Choice of 6 credits "Distinctive " in position n. 4; Choice of 6 credits "Distinctive " in position n. 5; Choice of 12 credits "Optional " in position n. 6; Choice of 6 credits "Related/ Supplementary" in position n. 8.**

2nd year - academic year 2015/2016

Learning Activity	credits	N°	compulsory	Sector	Type of learning activity	Period
504711 - MULTIMEDIA DATABASES	12	10	X	ING-INF/05	Distinctive	Single Year
504859 - ADVANCED SOFTWARE ENGINEERING	9	11	X	ING-INF/05	Related/ Supplementary	
504858 - SYSTEMS ANALYSIS	9	12	X	ING-INF/05	Related/ Supplementary	
504725 - OTHER ACTIVITIES	6	13	X	NN	Other	
503327 - MASTER THESIS	24	14		PROFIN_S	final exam	
TOT. 60 credits						

Date Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å Å **Signature** Å .

No changes are normally admitted to the study plan, except in duly justified cases. If you want to differ from the standard study plan, your study plan will become individual (INSERT THE NEW EXAM IN THE COLOURED ROW AND DELETE THE TEACHING YOU WANT TO SUBSTITUTE). You then need a revenue stamp of Ö16 and the plan will have to be approved by the Teaching Committee.

APPROVED BY THE TEACHING COMMITTEE ON

WE DECLARE THAT THIS INDIVIDUAL PLAN IS IN COMPLIANCE WITH THE TEACHING REGULATIONS OF THIS STUDY COURSE IN RELATION TO THE YEAR THE STUDENT BELONGS TO (RAD FORM)

SIGNATURE OF THE PRESIDENT OF THE COMMITTEE

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