UNIVERSITÀ DI PAVIA

DIPARTIMENTO DI INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE

DEPARTMENT OF INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE

Corso di Laurea Magistrale in

Master's Degree in

COMPUTER ENGINEERING

PIANO DI STUDIO PER GLI ISCRITTI AL 2° ANNO – DM 270/'04 ANNO ACCADEMICO 2026/2027

STUDY PLAN FOR STUDENTS ENROLLED IN 2°YEAR – DM 270/04 ACADEMIC YEAR 2026/2027

La/Il sottoscritta/o / *The undersigned*,

Matricola / *Matriculation number* .....

Cognome / *Surname*..... Nome / *Name*.....

Nata/o a / *Born in (city)* ..... Prov./ *State* ..... il / *on* .....

Residente in / *Resident in (city)*..... Prov./ *State* .....

CAP / *Postal code* ..... Via o Piazza / *Street name* .....

N. civico / *number* ..... Tel. / *Phone* .....

Corso di Laurea Magistrale in COMPUTER ENGINEERING

Master's Degreein COMPUTER ENGINEERING

prevede i seguenti percorsi: */ includes the following tracks:*

- **TRACK 01 - COMPUTER SCIENCE AND MULTIMEDIA**
- **TRACK 02 - DATA SCIENCE**
- **TRACK 03 - EMBEDDED IOT SYSTEMS**
- **TRACK 04 - INTELLIGENT CONTROL SYSTEMS**

Gli studenti che intendono effettuare scelte diverse che si discostano dal modello di piano di studi che segue presenteranno un piano di studi individuale (per il quale è prevista una marca da bollo da euro 16,00 che verrà generata dagli uffici). Maggiori informazioni sono disponibili sulla pagina dedicata https://portale.unipv.it/it/didattica/corsi-di-laurea/studiare/piani-di-studio nella sezione Eccezioni: il piano cartaceo.

Students who wish to make choices not provided by the following form should submit an individual study plan (in this case administrative offices will generate a fee of €16 for an extra revenue stamp). More information is available at the dedicated webpage: https://portale.unipv.it/it/didattica/corsi-di-laurea/studiare/piani-di-studio in the section "Exceptions: Study plan

submitted in paper form".

APPROVATO NELLA RIUNIONE DEL CONSIGLIO DIDATTICO/CONSIGLIO DI DIPARTIMENTO DEL / *Approved in the session of the Teaching Council/Department Council on* .....

SI DICHIARA LA CONFORMITA' DEL PIANO INDIVIDUALE ALL'ORDINAMENTO DIDATTICO DEL CORSO DI STUDIO IN RELAZIONE ALLA COORTE DI APPARTENENZA DELLO STUDENTE (SCHEDA RAD). / *It is declared that the individual plan follows the course regulations depending on the student's year of enrollment (RAD form).*

FIRMA DEL REFERENTE DEL CORSO DI LAUREA MAGISTRALE/ *Signature of the Program Coordinator*

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TRACK 01 - COMPUTER SCIENCE AND MULTIMEDIA

1° Year - academic year 2026/2027 - 60 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
511332 - MULTIMEDIA COMPUTING	12				Compulsory	First Semester
Teaching Unit of MULTIMEDIA COMPUTING						
504703 - COMPUTER VISION	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
509072 - WEB AND MULTIMEDIA TECHNOLOGIES	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
511333- INFORMATION RETRIEVAL	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
One course among:						
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Related Supplementary/Affine/Integrativa	Elective	First Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/A	Related/Supplementary/Affine/Integrativa	Elective	Second Semester
511766 - AGILE PROJECTS FOR DIGITAL AND AI TRANSFORMATION	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Elective	First Semester
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504709 - HUMAN COMPUTER INTERACTION	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
One course among:						
510173 - IOT MOBILE PROGRAMMING	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semester
504716 - INDUSTRIAL INFORMATICS AND EMBEDDED SYSTEMS	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	Second Semester

2° Year - academic year 2026/2027 - 60 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
504707 - ARTIFICIAL INTELLIGENCE	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504718 - INFORMATION SECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
One course among:						
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semester
510799 - ALGORITHMS AND SYSTEMS FOR ROBOTICS	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semester
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semeste

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FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
507288 - INTERNET AND MULTIMEDIA	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
511767 - DATA SCIENCE AND CYBERSECURITY	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
504462 - PROCESS CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	First Semester
510799 - ALGORITHMS AND SYSTEMS FOR ROBOTICS	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
505018 - SATELLITE DATA ANALYSIS	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
509073 - DEEP LEARNING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/A	Optional/A scelta dello studente	Elective	Second Semester
One course/two courses among:	6					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semester
501246 - ETICA AMBIENTALE	3	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	ING-IND/35	IEGE-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	ING-INF/06	IBIO-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
510172 - ETICA PER LA PROGETTAZIONE SOSTENIBILE	6	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	
503327 - MASTER THESIS	24	PROFIN_S	PROFIN_S	Final Exam/Per la prova finale	Compulsory	

***Students with a non-Italian qualification must choose "Italian Language for Foreign Students" and another course of 3 CFU among the ones suggested**

TRACK 02 - DATA SCIENCE

1° Year - academic year 2025/2026 - 60 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
511333 - INFORMATION RETRIEVAL	6	ING-INF/05	IINF-05/A	Distinctive/	Compulsory	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504707 - ARTIFICIAL INTELLIGENCE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
509070 - STATISTICAL LEARNING THEORY	6	ING-INF/04	IINF-04/A	Distinctive/Ingegneria informatica	Compulsory	First

						Semester
511767 - DATA SCIENCE AND CYBERSECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504713 - ENTERPRISE DIGITAL INFRASTRUCTURE	12	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
510800 - MACHINE AND DEEP LEARNING	12				Compulsory	Second Semester
Teaching unit of MACHINE and DEEP LEARNING						
509071 - MACHINE LEARNING	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*Second Semester*
509073 - DEEP LEARNING	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*Second Semester*

2° Year - academic year 2026/2027 - 60 CFU

ATTIVITÀ FORMATIVA Courses	**CFU cfu**	**Vecchio Settore Scientifico Old Disciplinary Sector**	**Nuovo Settore Scientifico New Disciplinary Sector**	**TAF/Ambito TAF/Teaching Field**	**Tipo Insegnamento Course Type**	**Periodo Period**
505018 - SATELLITE DATA ANALYSIS	6	ING-INF/03	IINF-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504718 - INFORMATION SECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
509076 - FINANCIAL DATA SCIENCE	6	SECS-P/01	ECON-01/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
512147 - INTELLIGENZA ARTIFICIALE GENERATIVA IN MEDICINA	5	ING-INF/05	IBIO-01/A	A scelta dello studente/A scelta dello studente	Elective	Second Semester
509005 - OPTIMIZATION MODELS AND ALGORITHMS FOR DATA SCIENCE	6	MAT/09	MATH-06/A	Optional/A scelta dello studente	Elective	Second Semester
One course/two courses among:	6					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semester
501246 - ETICA AMBIENTALE	3	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	ING-IND/35	IEGE-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	ING-INF/06	IBIO-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
510172 - ETICA PER LA PROGETTAZIONE SOSTENIBILE	6	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	
503327 - MASTER THESIS	24	PROFIN_S	PROFIN_S	Final Exam/	Compulsory	

***Students with a non-Italian qualification must choose "Italian Language for Foreign Students" and another course of 3 CFU among the ones suggested**

TRACK 03 - EMBEDDED IOT SYSTEMS

1° Year - academic year 2025/2026 - 54 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
504714 - PROCESS CONTROL AND ROBOTICS	12				Compulsory	All Year
Teaching Unit of PROCESS CONTROL AND ROBOTICS						
504462 - PROCESS CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
504463 - ROBOT CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*Second Semester*
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
511810 - EMBEDDED IOT SYSTEMS	12				Compulsory	All Year
Teaching Unit of EMBEDDED IOT SYSTEMS						
510173 - IOT MOBILE PROGRAMMING	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
504716 - INDUSTRIAL INFORMATICS AND EMBEDDED SYSTEMS	*6*	*ING-INF/05*	*IINF-05/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*Second Semester*
504712 - ADVANCED COMPUTER ARCHITECTURE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
509071 - MACHINE LEARNING	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/A	Related/Supplementary/Affine/Integrativa	Compulsory	Second Semester
One course among:						
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Elective	First Semester
502515 - ELETTRONICA DEI SISTEMI DIGITALI	6	ING-INF/01	IINF-01/A	Related/Supplementary/Affine/Integrativa	Elective	First Semester
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Elective	First Semester
504718 - INFORMATION SECURITY	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Elective	First Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Related/Supplementary/Affine/Integrativa	Elective	Second Semester
509674 - POWER ELECTRONICS	6	ING-IND/32	IIND-08/A	Related/Supplementary/Affine/Integrativa	Elective	Second Semester

2° Year - academic year 2026/2027 - 66 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
Two courses among:	12					
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semester
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First

						Semester
504718 - INFORMATION SECURITY	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Elective	First Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Distinctive/Ingegneria informatica	Elective	Second Semester
510799 - ALGORITHMS AND SYSTEMS FOR ROBOTICS	6	ING-INF/05	IINF-05/A	Distinctive/ Ingegneria informatica	Compulsory	First Semester
504723 - ELECTRICAL DRIVES FOR INDUSTRIAL APPLICATIONS	6	ING-IND/32	IIND-08/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
509674 - POWER ELECTRONICS	6	ING-IND/32	IIND-08/A	Optional/A scelta dello studente	Elective	Second Semester
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
511899 - SENSORI E SISTEMI DI VISIONE ARTIFICIALE	6	ING-IND/34	IBIO-01/A	Optional/A scelta dello studente	Elective	First Semester
508046 - SISTEMI DI SENSORI WIRELESS PER IL MONITORAGGIO DI DATI E SEGNALI BIOMEDICI	6	ING-INF/06	IBIO-01/A	Optional/A scelta dello studente	Elective	First Semester
509073 - DEEP LEARNING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
502975 - PROGETTO DI SISTEMI DIGITALI	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
509584 - CLOUD COMPUTING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
502515 - ELETTRONICA DEI SISTEMI DIGITALI	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
509686 - STATISTICAL SIGNAL PROCESSING	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
One course/two courses among:	6					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semester
501246 - ETICA AMBIENTALE	3	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	ING-IND/35	IEGE-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	ING-INF/06	IBIO-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
510172 - ETICA PER LA PROGETTAZIONE SOSTENIBILE	6	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	
503327 - MASTER THESIS	24	PROFIN_S	PROFIN_S	Final Exam/Per la prova finale	Compulsory	

***Students with a non-Italian qualification must choose "Italian Language for Foreign Students" and another course of 3 CFU among the ones suggested**

TRACK 04 - INTELLIGENT CONTROL SYSTEMS

1° Year - academic year 2025/2026 - 60 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
504714 - PROCESS CONTROL AND ROBOTICS	12				Compulsory	All Year
Teaching Unit of PROCESS CONTROL AND ROBOTICS						
504462 - PROCESS CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
504463 - ROBOT CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*Second Semester*
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504712 - ADVANCED COMPUTER ARCHITECTURE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504707 - ARTIFICIAL INTELLIGENCE	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
509070 - STATISTICAL LEARNING THEORY	6	ING-INF/04	IINF-04/A	Distinctive/Ingegneria informatica	Compulsory	First Semester
One course among:						
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/A	Related/Supplementary/Affine/Integrativa	Elective	Second Semester
509073 - DEEP LEARNING	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Elective	Second Semester
509071 - MACHINE LEARNING	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Distinctive/Ingegneria informatica	Compulsory	Second Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6					
509073 - DEEP LEARNING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
511767 - DATA SCIENCE AND CYBERSECURITY	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
511765 - FOUNDATIONS OF CYBERSECURITY	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	First Semester
509005 - OPTIMIZATION MODELS AND ALGORITHMS FOR DATA SCIENCE	6	MAT/09	MATH-06/A	Optional/A scelta dello studente	Elective	Second Semester

2° Year - academic year 2026/2027 - 60 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinary Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
510799 - ALGORITHMS AND SYSTEMS FOR ROBOTICS	6	ING-INF/05	IINF-05/A	Distinctive/Ingegneria Informatica	Compulsory	First Semester
504703 - COMPUTER VISION	6	ING-INF/05	IINF-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
510805 - NONLINEAR CONTROL AND OPTIMIZATION	12				Compulsory	First Semester
Teaching Unit of NONLINEAR OPTIMIZATION AND CONTROL						
510806 - NONLINEAR CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*
510807 - OPTIMIZATION FOR CONTROL	*6*	*ING-INF/04*	*IINF-04/A*	*Distinctive/Ingegneria informatica*	*Compulsory*	*First Semester*

FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	6					
509076 - FINANCIAL DATA SCIENCE	6	SECS-P/01	ECON-01/A	Optional/A scelta dello studente	Elective	Second Semester
509073 - DEEP LEARNING	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
509072 - WEB AND MULTIMEDIA TECHNOLOGIES	6	ING-INF/05	IINF-05/A	Optional/A scelta dello studente	Elective	Second Semester
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
507219 - LOGISTICS MANAGEMENT	6	ING-IND/17	IIND-05/A	Optional/A scelta dello studente	Elective	First Semester
One course/two courses among:	6					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semester
501246 - ETICA AMBIENTALE	3	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
507220 - PLANNING, MANAGEMENT AND SUPPLY OF GOODS AND SERVICES	3	ING-IND/35	IEGE-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504860 - REGULATORY AFFAIRS NELLA PROGETTAZIONE, SVILUPPO E CERTIFICAZIONE DI DISPOSITIVI MEDICI	3	ING-INF/06	IBIO-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
510172 - ETICA PER LA PROGETTAZIONE SOSTENIBILE	6	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
504722 - PROJECT WORK IN COMPUTER ENGINEERING	6	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	
503327 - MASTER THESIS	24	PROFIN_S	PROFIN_S	Final Exam/Per la prova finale	Compulsory	

***Students with a non-Italian qualification must choose "Italian Language for Foreign Students" and another course of 3 CFU among the ones suggested**

EVENTUALI ESAMI IN SOVRANNUMERO (MAX 24 CFU)

POSSIBLE EXTRA EXAMS (MAX 24 CFU)

ATTIVITÀ FORMATIVA *Courses*	**CFU** *Cfu*	**SETTORE** *Sector*	**YEAR** *Year*

Catalogo degli insegnamenti

Courses Catalogue

Data / *Date*.....

Firma dello studente / *Student's signature* .....