



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

ELECTRONIC 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 sottoscritto/a / *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 ELECTRONIC ENGINEERING

Master's Degree in ELECTRONIC ENGINEERING

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

- TRACK - MICROELECTRONICS

- TRACK 02 - PHOTONICS

- TRACK 03 - SPACE COMMUNICATION AND SENSING

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 - MICROELECTRONICS

1° Year - academic year 2025/2026 - 63 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
510810 - ADVANCED MATHEMATICAL AND NUMERICAL METHODS FOR ENGINEERS	9				Compulsory	First Semester
<i>Teaching unit of Advanced mathematical and numerical methods for engineers</i>						
504434 - ADVANCED MATHEMATICAL METHODS FOR ENGINEERS	3	MAT/05	MATH-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
507294 - INTRODUCTION TO QUANTUM MECHANICS	3	FIS/03	PHYS-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504990 - INTEGRATED CIRCUIT DEVICES	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
504435 - ANALOG INTEGRATED CIRCUITS	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
504439 - RF MICROELECTRONICS	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester
505002 - ELECTRONIC INSTRUMENTATION AND TECHNOLOGIES	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester
504437 - MICROWAVES	9	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester
504440 - DIGITAL IC DESIGN	6	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester

2° Year - academic year 2026/2027 - 57 CFU

ATTIVITÀ FORMATIVA Courses	CFU cfu	Vecchio Settore Scientifico Old Disciplinary Sector	Nuovo Settore Scientifico New Disciplinar y Sector	TAF/Ambito TAF/Teaching Field	Tipo Insegnamento Course Type	Periodo Period
One course among:						
509352 - INTEGRATED POWER MANAGEMENT	6	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Elective	First Semester
504444 - ANTENNAS	6	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Elective	First Semester
505021 - ELECTRO-OPTICAL INSTRUMENTATION	6	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Elective	First Semester
509685 - ANALOG-DIGITAL INTERFACE CIRCUITS	6	ING-INF/01	IINF-01/A	Related/Supplementary /Affine/Integrativa	Compulsory	First Semester
One course among:						
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/07	IMIS-01/B	Related/Supplementary /Affine/Integrativa	Elective	First Semester
509686 - STATISTICAL SIGNAL PROCESSING	6	ING-INF/03	IINF-03/A	Related/Supplementary /Affine/Integrativa	Elective	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
509352 - INTEGRATED POWER MANAGEMENT	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
510152 - INTEGRATED PHOTONIC CIRCUITS	6	FIS/03	PHYS-03/A	Optional/A scelta dello studente	Elective	First Semester
504998 - DIGITAL COMMUNICATIONS	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
505018 - SATELLITE DATA ANALYSIS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester

505021 - ELECTRO-OPTICAL INSTRUMENTATION	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
507288 - INTERNET AND MULTIMEDIA	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/07	IMIS-01/B	Optional/A scelta dello studente	Elective	First Semester
505006 - MICROWAVE MEASUREMENTS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/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
504463 - ROBOT CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
505017 - SATELLITE AND SPACE SYSTEMS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
511768 - INDUSTRIAL LASER APPLICATIONS AND SAFETY	6	ING-IND/16	IIND-04/A	Optional/A scelta dello studente	Elective	Second Semester
503188 - STRUMENTAZIONE BIOMEDICA LM	6	ING-INF/06	IBIO-01/A	Optional/A scelta dello studente	Elective	First Semester
508744 - BIOELETTROMAGNETISMO APPLICATO	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
510443 - MACHINE LEARNING FOR EARTH OBSERVATION DATA PROCESSING AND FUSION	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510775 - INTRODUCTION TO QUANTUM TECHNOLOGIES	3	FIS/03	PHYS-03/A	Optional/A scelta dello studente	Elective	First Semester
511334 - THERMAL MANAGEMENT FOR INDUSTRIAL AND SPACE APPLICATIONS	6	ING-IND/10	IIND-07/A	Optional/A scelta dello studente	Elective	Second Semester
511769 - FRONTIERS OF SPACEBORNE EARTH OBSERVATION	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
512146 - BIOELECTRONICS AND NEURAL INTERFACES	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	Second Semester
512150 - RF IDENTIFICATION AND SENSING SYSTEMS	9	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
512151 - RF IDENTIFICATION AND SENSING SYSTEMS - THEORY	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
One course among:						
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semeste
505013 - ADVANCED TOPICS IN MICROWAVE TECHNOLOGIES	3	ING-INF/02	IINF-02/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
501246 - ETICA AMBIENTALE	3	SECS-P/13	ECON-10/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	Second Semester
509379 - INDUSTRIAL TOPICS IN MICROELECTRONICS AND PHOTONICS	3	ING-INF/01	IINF-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
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
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"

TRACK 02 - PHOTONICS

1° Year - academic year 2025/2026 - 63 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
510810 - ADVANCED MATHEMATICAL AND NUMERICAL METHODS FOR ENGINEERS	9				Compulsory	First Semester

	Teaching unit of Advanced mathematical and numerical methods for engineers						
	504434 - ADVANCED MATHEMATICAL METHODS FOR ENGINEERS		MAT/05	MATH-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
	504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES		MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504992 - OPTOELECTRONIC DEVICES	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester	
508745 - INTRODUCTION TO QUANTUM MECHANICS AND QUANTUM TECHNOLOGIES	6	FIS/03	PHYS-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester	
One course among:							
504444 - ANTENNAS	6	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Elective	First Semester	
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/07	IMIS-01/B	Distinctive/Ingegneria elettronica	Elective	First Semester	
504437 - MICROWAVES	9	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester	
504994 - OPTICAL COMMUNICATIONS	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester	
510153 - QUANTUM ELECTRONICS AND NONLINEAR OPTICS	9	FIS/03	PHYS-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	Second Semester	
504998 - DIGITAL COMMUNICATIONS	6	ING-INF/03	IINF-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	Second Semester	

2° Year - academic year 2026/2027 - 57 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
505021 - ELECTRO-OPTICAL INSTRUMENTATION	6	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
505015 - INDUSTRIAL LASER DESIGN	6	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
510152 - INTEGRATED PHOTONIC CIRCUITS	6	FIS/03	PHYS-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
504999 - ANTENNAS AND PROPAGATION	9	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
507288 - INTERNET AND MULTIMEDIA	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/07	IMIS-01/B	Optional/A scelta dello studente	Elective	First Semester
505006 - MICROWAVE MEASUREMENTS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
502987 - OPTOELETTRONICA BIOMEDICA	6	ING-INF/07	IMIS-01/B	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
504462 - PROCESS CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	First Semester
505018 - SATELLITE DATA ANALYSIS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
504463 - ROBOT CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
505017 - SATELLITE AND SPACE SYSTEMS	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	First Semester
511768 - INDUSTRIAL LASER APPLICATIONS AND SAFETY	6	ING-IND/16	IIND-04/A	Optional/A scelta dello studente	Elective	Second Semester
503188 - STRUMENTAZIONE BIOMEDICA LM	6	ING-INF/06	IBIO-01/A	Optional/A scelta dello studente	Elective	First Semester

509685 - ANALOG-DIGITAL INTERFACE CIRCUITS	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
508744 - BIOELETTROMAGNETISMO APPLICATO	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
510154 - RETRIEVAL OF BIOPHYSICAL PARAMETERS FROM OPTICAL AND RADAR DATA	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510155 - HYPERSPECTRAL DATA PROCESSING	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510156 - SAR DIFFERENTIAL INTERFEROMETRY AND TOMOGRAPHY	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510443 - MACHINE LEARNING FOR EARTH OBSERVATION DATA PROCESSING AND FUSION	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
511334 - THERMAL MANAGEMENT FOR INDUSTRIAL AND SPACE APPLICATIONS	6	ING-IND/10	IIND-07/A	Optional/A scelta dello studente	Elective	Second Semester
512146 - BIOELECTRONICS AND NEURAL INTERFACES	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	Second Semester
512150 - RF IDENTIFICATION AND SENSING SYSTEMS	9	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
512151 - RF IDENTIFICATION AND SENSING SYSTEMS - THEORY	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
511769 - FRONTIERS OF SPACEBORNE EARTH OBSERVATION	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
One course among:	3					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semeste
505013 - ADVANCED TOPICS IN MICROWAVE TECHNOLOGIES	3	ING-INF/02	IINF-02/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
509379 - INDUSTRIAL TOPICS IN MICROELECTRONICS AND PHOTONICS	3	ING-INF/01	IINF-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
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
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"

TRACK 03 - SPACE COMMUNICATION AND SENSING

1° Year - academic year 2025/2026 - 63 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
510810 - ADVANCED MATHEMATICAL AND NUMERICAL METHODS FOR ENGINEERS	9				Compulsory	First Semester
<i>Teaching unit of Advanced mathematical and numerical methods for engineers</i>						
504434 - ADVANCED MATHEMATICAL METHODS FOR ENGINEERS	3	MAT/05	MATH-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504710 - NUMERICAL METHODS IN ENGINEERING SCIENCES	6	MAT/08	MATH-05/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
505018 - SATELLITE DATA ANALYSIS	9	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
508745 - INTRODUCTION TO QUANTUM MECHANICS AND QUANTUM TECHNOLOGIES	6	FIS/03	PHYS-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	First Semester
504999 - ANTENNAS AND PROPAGATION	9	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
504437 - MICROWAVES	9	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	Second Semester

One course among:						
504994 - OPTICAL COMMUNICATIONS	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Elective	Second Semester
504439 - RF MICROELECTRONICS	9	ING-INF/01	IINF-01/A	Distinctive/Ingegneria elettronica	Elective	Second Semester
509686 - STATISTICAL SIGNAL PROCESSING	6	ING-INF/03	IINF-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	Second Semester
504998 - DIGITAL COMMUNICATIONS	6	ING-INF/03	IINF-03/A	Related/Supplementary/Affine/Integrativa	Compulsory	Second Semester

2° Year - academic year 2026/2027 - 57 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
505017 - SATELLITE AND SPACE SYSTEMS	6	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
505006 - MICROWAVE MEASUREMENTS	6	ING-INF/02	IINF-02/A	Distinctive/Ingegneria elettronica	Compulsory	First Semester
511769 - FRONTIERS OF SPACEBORNE EARTH OBSERVATION	6	ING-INF/03	IINF-03/A	Related/Supplementary /Affine/Integrativa	Compulsory	First Semester
FREE CHOICE FROM THE UNIVERSITY COURSE OFFER	12					
505021 - ELECTRO-OPTICAL INSTRUMENTATION	6	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	First Semester
504717 - INDUSTRIAL CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
507288 - INTERNET AND MULTIMEDIA	6	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	First Semester
510150 - MICROSENSORS, INTEGRATED MICROSYSTEMS AND MEMS	6	ING-INF/07	IMIS-01/B	Optional/A scelta dello studente	Elective	First Semester
504464 - ORGANIZATION THEORY AND DESIGN	6	SECS-P/06	ECON-04/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
504463 - ROBOT CONTROL	6	ING-INF/04	IINF-04/A	Optional/A scelta dello studente	Elective	Second Semester
508745 - INTRODUCTION TO QUANTUM MECHANICS AND QUANTUM TECHNOLOGIES	6	FIS/03	PHYS-03/A	Optional/A scelta dello studente	Elective	First Semester
511768 - INDUSTRIAL LASER APPLICATIONS AND SAFETY	6	ING-IND/16	IIND-04/A	Optional/A scelta dello studente	Elective	Second Semester
503188 - STRUMENTAZIONE BIOMEDICA LM	6	ING-INF/06	IBIO-01/A	Optional/A scelta dello studente	Elective	First Semester
508744 - BIOELETTROMAGNETISMO APPLICATO	6	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
510162 - REMOTE SENSING FOR WILDFIRE APPLICATIONS	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510154 - RETRIEVAL OF BIOPHYSICAL PARAMETERS FROM OPTICAL AND RADAR DATA	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510155 - HYPERSPECTRAL DATA PROCESSING	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510156 - SAR DIFFERENTIAL INTERFEROMETRY AND TOMOGRAPHY	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510163 - PROCESSING OF MULTI-FREQUENCY SAR IMAGES	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
510443 - MACHINE LEARNING FOR EARTH OBSERVATION DATA PROCESSING AND FUSION	3	ING-INF/03	IINF-03/A	Optional/A scelta dello studente	Elective	Second Semester
511334 - THERMAL MANAGEMENT FOR INDUSTRIAL AND SPACE APPLICATIONS	6	ING-IND/10	IIND-07/A	Optional/A scelta dello studente	Elective	Second Semester
512150 - RF IDENTIFICATION AND SENSING SYSTEMS	9	ING-INF/02	IINF-02/A	Optional/A scelta dello studente	Elective	Second Semester
504439 - RF MICROELECTRONICS	9	ING-INF/01	IINF-01/A	Optional/A scelta dello studente	Elective	Second

						Semester
One course among:	3					
509536 - ITALIAN LANGUAGE FOR FOREIGN STUDENTS*	3	NN	NN	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	First Semester
505013 - ADVANCED TOPICS IN MICROWAVE TECHNOLOGIES	3	ING-INF/02	IINF-02/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
509379 - INDUSTRIAL TOPICS IN MICROELECTRONICS AND PHOTONICS	3	ING-INF/01	IINF-01/A	Other/Altre conoscenze utili per l'inserimento nel mondo del lavoro	Elective	All Year
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
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"

EVENTUALI ESAMI IN SOVRANNUMERO (MAX 24 CFU)

POSSIBLE EXTRA EXAMS (MAX 24 CFU)

ATTIVITÀ FORMATIVA <i>Courses</i>	CFU <i>Cfu</i>	SETTORE <i>Sector</i>	YEAR <i>Year</i>

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[Courses Catalogue](#)

Data / *Date*.....

Firma dello studente / *Student's signature*