



POLITECNICO
MILANO 1863

Academic Year 2020/2021

School of Industrial and Information Engineering

Courses offered by the programme

Computer Science and Engineering (481)

Master of Science degree (Ordinamento 270/04)

Milano Leonardo campus


Class of degree

LM-32 - Computer systems engineering

Glossary

Course type (Type)	
I	Integrated Course
M	Mono-Disciplinary Course
U	Course Held At Another University
V	Final Examination

Educational activities (Att Form)	
B	Identifying activities
C	Similar or integrative activities

Innovative teaching	
	<p>The credits shown next to this symbol indicate the part of the course CFUs provided with Innovative teaching.</p> <p>These CFUs include:</p> <ul style="list-style-type: none"> - Subject taught jointly with companies or organizations - Blended Learning & Flipped Classroom - Massive Open Online Courses (MOOC) - Soft Skills

Semester (Sem)	
1	First Semester
2	Second Semester
A	Annual course

Alphabetical group (Students from ... to ...)	
Alphabetical groups are defined as FROM (included) TO (excluded)	

1st Year courses**Track T2A - COMPUTER SCIENCE AND ENGINEERING**

Campus: Milano Leonardo

Track offered in English

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU	CFU Group
088983	C	MAT/09	FOUNDATIONS OF OPERATIONS RESEARCH <i>Students form A to M - Malucelli Federico</i> <i>Students form M to ZZZZ - Amaldi Edoardo</i>	EN	M	1	5.0	5.0
089182	B	ING-INF/05	FORMAL LANGUAGES AND COMPILERS <i>Students form A to M - Breviglieri Luca Oddone</i> <i>Students form M to ZZZZ - Morzenti Angelo Carlo</i>	EN	M	1	5.0	5.0
089183	B	ING-INF/05	DATA BASES 2 <i>Students form A to M - Comai Sara</i> <i>Students form M to ZZZZ - Fraternali Piero</i>	EN	M	1	5.0	5.0
054443	B	ING-INF/05	SOFTWARE ENGINEERING 2 <i>Students form A to M - Di Nitto Elisabetta</i> <i>Students form M to ZZZZ - Rossi Matteo Giovanni</i>	EN	M	1	5.0 [2.0 @]	5.0
088949	B	ING-INF/05	ADVANCED COMPUTER ARCHITECTURES <i>Students form A to M - Silvano Cristina</i> <i>Students form M to ZZZZ - Santambrogio Marco Domenico</i>	EN	M	2	5.0	5.0
095898	B	ING-INF/05	COMPUTING INFRASTRUCTURES <i>Students form A to M - Palermo Gianluca</i> <i>Students form M to ZZZZ - Roveri Manuel</i>	EN	M	2	5.0	10.0
055633	B	ING-INF/05	COMPUTER SECURITY - UIC 587 <i>Students form A to M - Zanero Stefano</i> <i>Students form M to ZZZZ - Docente non definito</i>	EN	M	2	5.0	
--	--	--	Courses to be chosen from Group AUT	--	--	--	--	25.0
--	--	--	Courses to be chosen from Group BIO	--	--	--	--	
--	--	--	Courses to be chosen from Group INT1	--	--	--	--	
--	--	--	Courses to be chosen from Group INT2	--	--	--	--	
--	--	--	Courses to be chosen from Group MAT	--	--	--	--	
--	--	--	Courses to be chosen from Group TABA	--	--	--	--	
--	--	--	Courses to be chosen from Group TABB	--	--	--	--	
--	--	--	Courses to be chosen from Group TEL	--	--	--	--	
--	--	--	Courses to be chosen from Group DOT	--	--	--	--	

Track T2D - ICT ENGINEERING, BUSINESS AND INNOVATION

Campus: Milano Leonardo

Track offered in English

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU	CFU Group
054443	B	ING-INF/05	SOFTWARE ENGINEERING 2 <i>Students form A to M - Di Nitto Elisabetta</i> <i>Students form M to ZZZZ - Rossi Matteo Giovanni</i>	EN	M	1	5.0 [2.0 @]	5.0
089183	B	ING-INF/05	DATA BASES 2 <i>Students form A to M - Comai Sara</i> <i>Students form M to ZZZZ - Fraternali Piero</i>	EN	M	1	5.0	5.0
088983	C	MAT/09	FOUNDATIONS OF OPERATIONS RESEARCH <i>Students form A to M - Malucelli Federico</i> <i>Students form M to ZZZZ - Amaldi Edoardo</i>	EN	M	1	5.0	5.0
052556	B	ING-INF/05	DOMAIN SPECIFIC MODELLING <i>Students form A to ZZZZ - Brambilla Marco</i>	EN	M	1	5.0	15.0
090945	B	ING-INF/05	COMPUTER SYSTEMS PERFORMANCE EVALUATION <i>Students form A to ZZZZ - Gribaudo Marco</i>	EN	M	1	5.0	
099332	B	ING-INF/05	DIGITAL PROJECT MANAGEMENT <i>Students form A to ZZZZ - Della Valle Emanuele</i>	EN	M	1	5.0	
093212	B	ING-INF/05	DESIGN AND IMPLEMENTATION OF MOBILE APPLICATIONS <i>Students form A to ZZZZ - Baresi Luciano</i>	EN	M	1	5.0	
052537	B	ING-INF/05	TECHNOLOGIES FOR INFORMATION SYSTEMS <i>Students form A to ZZZZ - Tanca Letizia</i>	EN	M	1	5.0 [1.0 @]	
052534	B	ING-INF/05	RECOMMENDER SYSTEMS <i>Students form A to ZZZZ - Cremonesi Paolo</i>	EN	M	1	5.0 [2.0 @]	
055633	B	ING-INF/05	COMPUTER SECURITY - UIC 587 <i>Students form A to M - Zanero Stefano</i> <i>Students form M to ZZZZ - Docente non definito</i>	EN	M	2	5.0	5.0

088949	B	ING-INF/05	ADVANCED COMPUTER ARCHITECTURES <i>Students form A to M - Silvano Cristina</i> <i>Students form M to ZZZZ - Santambrogio Marco Domenico</i>	EN	M	2	5.0	5.0
095898	B	ING-INF/05	COMPUTING INFRASTRUCTURES <i>Students form A to M - Palermo Gianluca</i> <i>Students form M to ZZZZ - Roveri Manuel</i>	EN	M	2	5.0	5.0
051308	B	ING-INF/05	DIGITAL INNOVATION LAB <i>Students form A to ZZZZ - Brambilla Marco</i>	EN	M	2	5.0	5.0
095948	B	ING-INF/05	PROCESS AND SERVICE DESIGN <i>Students form A to ZZZZ - Plebani Pierluigi</i>	EN	M	2	5.0	10.0
054445	B	ING-INF/05	ECONOMICS AND COMPUTATION <i>Students form A to ZZZZ - Gatti Nicola</i>	EN	M	2	5.0 [5.0 @]	
091023	B	ING-INF/05	BUSINESS INFORMATION SYSTEMS 1 <i>Students form A to ZZZZ - Francalanci Chiara</i>	EN	M	2	5.0	
052535	B	ING-INF/05	BUSINESS INFORMATION SYSTEMS 2 <i>Students form A to ZZZZ - Francalanci Chiara</i>	EN	M	2	5.0 [5.0 @]	

2nd Year courses**Track T2A - COMPUTER SCIENCE AND ENGINEERING**

Campus: Milano Leonardo

Track offered in English

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU	CFU Group
--	--	--	Courses to be chosen from Group AUT	--	--	--	--	40.0
--	--	--	Courses to be chosen from Group BIO	--	--	--	--	
--	--	--	Courses to be chosen from Group INT1	--	--	--	--	
--	--	--	Courses to be chosen from Group INT2	--	--	--	--	
--	--	--	Courses to be chosen from Group MAT	--	--	--	--	
--	--	--	Courses to be chosen from Group TABA	--	--	--	--	
--	--	--	Courses to be chosen from Group TABB	--	--	--	--	
--	--	--	Courses to be chosen from Group TEL	--	--	--	--	
--	--	--	Courses to be chosen from Group DOT	--	--	--	--	
089254	--	--	FINAL EXAMINATION <i>Students form -- to -- - Docente non definito</i>	--	V	1	20.0	20.0
089254	--	--	FINAL EXAMINATION <i>Students form -- to -- - Docente non definito</i>	--	V	2	20.0	

Track T2D - ICT ENGINEERING, BUSINESS AND INNOVATION

Campus: Milano Leonardo

Track offered in English

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU	CFU Group
096078	C	ING-IND/35	ACCOUNTING, FINANCE & CONTROL <i>Students form A to CAM - Arnaboldi Michela Students form CAM to DEZ - Maccarrone Paolo Students form DEZ to GIA - Lettieri Emanuele Students form GIA to ROZ - Agostino Deborah Students form ROZ to ZZZZ - Arena Marika</i>	EN	M	1	10.0	10.0
052795	C	ING-IND/35	STRATEGY & MARKETING <i>Students form -- to -- - Docente non definito</i>	EN	M	1	10.0 [1.0 @]	10.0
097334	C	ING-IND/35	SOCIAL INNOVATION <i>Students form A to ZZZZ - Calderini Mario</i>	EN	M	1	5.0	10.0
097325	C	ING-IND/17 ING-IND/35	DIGITAL BUSINESS INNOVATION <i>Students form A to ZZZZ - Mangiaracina Riccardo</i>	EN	M	2	5.0	
097317	C	ING-IND/35	MANAGEMENT OF DESIGN AND INNOVATION PROJECTS <i>Students form A to ZZZZ - Dell'Era Claudio</i>	EN	M	2	5.0	
052796	C	ING-IND/35	LEADERSHIP & INNOVATION <i>Students form A to CI - Bellini Emilio Students form CI to KL - Canterino Filomena Students form KL to Q - Corso Mariano Students form Q to ZZZZ - Buganza Tommaso</i>	EN	M	2	10.0 [2.0 @]	10.0
089254	--	--	FINAL EXAMINATION <i>Students form -- to -- - Docente non definito</i>	--	V	1	20.0	20.0
089254	--	--	FINAL EXAMINATION <i>Students form -- to -- - Docente non definito</i>	--	V	2	20.0	

Group list*Courses of the Group AUT*

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
090914	C	ING-INF/04	CONTROL OF INDUSTRIAL ROBOTS <i>Students form A to ZZZZ - Rocco Paolo</i>	EN	M	1	5.0
052366	C	ING-INF/04	CONTROL OF MOBILE ROBOTS <i>Students form A to ZZZZ - Bascetta Luca</i>	EN	M	1	5.0
093060	C	ING-INF/04	SAFETY IN AUTOMATION SYSTEMS <i>Students form A to ZZZZ - Scattolini Riccardo</i>	EN	M	1	5.0
096129	C	ING-INF/04	ADVANCED AND MULTIVARIABLE CONTROL <i>Students form A to ZZZZ - Scattolini Riccardo</i>	EN	M	2	10.0
093062	C	ING-INF/04	AUTOMATION AND CONTROL IN VEHICLES <i>Students form A to ZZZZ - Savaresi Sergio Matteo</i>	EN	M	2	5.0
090916	C	ING-INF/04	AUTOMATION OF ENERGY SYSTEMS <i>Students form A to ZZZZ - Leva Alberto</i>	EN	M	2	5.0
090915	C	ING-INF/04	PRODUCTION SYSTEMS CONTROL <i>Students form A to ZZZZ - Ferrarini Luca</i>	EN	M	2	5.0
097484	C	ING-INF/04	SIMULATION TECHNIQUES AND TOOLS <i>Students form A to ZZZZ - Ferretti Gianni</i>	EN	M	2	5.0

Courses of the Group BIO

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
099282	C	BIO/10	BIOINFORMATICS AND FUNCTIONAL GENOMICS <i>Students form A to ZZZZ - Pattini Linda</i>	IT	M	1	5.0
083042	C	ING-IND/34	CELLULAR BIOENGINEERING <i>Students form A to ZZZZ - Soncini Monica</i>	IT	M	1	10.0
098654	C	ING-INF/06	BIOMEDICAL SIGNAL PROCESSING - BIOE 440 <i>Students form A to ZZZZ - Signorini Maria Gabriella</i>	EN	M	1	5.0
098655	C	ING-INF/06	MEDICAL IMAGES - BIOE 421 <i>Students form A to ZZZZ - Signorini Maria Gabriella</i>	EN	M	1	5.0
054293	C	ING-INF/06	BIOMEDICAL SIGNAL PROCESSING AND MEDICAL IMAGES - BIOE 540-421 [I.C.] <i>Students form A to ZZZZ - 054292 BIOMEDICAL SIGNAL PROCESSING AND MEDICAL IMAGES [2] - BIOE 421 - Signorini Maria Gabriella - 054291 BIOMEDICAL SIGNAL PROCESSING AND MEDICAL IMAGES [1] - BIOE 540 - Signorini Maria Gabriella</i>	EN	I	1	10.0 [1.0 @i]
054301	C	ING-INF/06	E-HEALTH METHODS AND APPLICATIONS [I.C.] <i>Students form A to ZZZZ - 054300 E-HEALTH METHODS - Ferrante Simona - 054299 E-HEALTH APPLICATIONS - Caiani Enrico Gianluca</i>	EN	I	1	10.0 [1.0 @i]
055765	C	ING-INF/06	TECHNOLOGIES FOR SENSORS AND CLINICAL INSTRUMENTATION - BIOE 430 <i>Students form A to ZZZZ - Aliverti Andrea</i>	EN	M	2	10.0 [1.0 @i]

Courses of the Group DOT

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
056487	B	ING-INF/05	ADVANCED TOPICS ON HETEROGENEOUS SYSTEM ARCHITECTURES <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056488	B	ING-INF/05	APPLIED QUANTUM MACHINE LEARNING <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056489	B	ING-INF/05	BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGIES: PRINCIPLES, APPLICATIONS, AND RESEARCH CHALLENGES <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056490	B	ING-INF/05	DATA AND INFORMATION QUALITY <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056491	B	ING-INF/05	DIGITAL DESIGN OF EMBEDDED SYSTEMS IN THE IOT AND RISC-V OPEN CORE ERA <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056492	B	ING-INF/05	EMBEDDED SOFTWARE RESEARCH: METHODOLOGIES AND CONCRETE CASES <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056493	B	ING-INF/05	ENERGY-AWARE AND APPROXIMATE COMPUTING <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0

056494	B	ING-INF/05	HUMAN-COMPUTER INTERACTION FOR AI (HCI4AI) <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056495	B	ING-INF/05	LEARNING SPARSE REPRESENTATIONS FOR IMAGE AND SIGNAL MODELING <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0
056496	B	ING-INF/05	PARALLEL COMPUTING ON TRADITIONAL (CORE-BASED) AND EMERGING GPU-BASED) ARCHITECTURES THROUGH OPENMP AND OPENACC / OPENCL <i>Students form -- to -- - Docente non definito</i>	EN	M	A	5.0

Courses of the Group INT1

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
080931	C	MAT/01 MAT/02	ALGEBRA AND MATHEMATICAL LOGIC <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	1	5.0
085900	C	CHIM/07	GENERAL CHEMISTRY <i>Students form A to ZZZZ - Barbera Vincenzina</i>	IT	M	1	5.0
089194	C	ING-INF/04	COMPLEX SYSTEMS AND NETWORKS <i>Students form A to ZZZZ - Piccardi Carlo</i>	IT	M	1 (?)	5.0
088983	C	MAT/09	FOUNDATIONS OF OPERATIONS RESEARCH <i>Students form A to M - Malucelli Federico Students form M to ZZZZ - Amaldi Edoardo</i>	EN	M	1	5.0
099325	C	ING-INF/03	FUNDAMENTALS OF MULTIMEDIA SIGNAL PROCESSING <i>Students form A to ZZZZ - Marcon Marco</i>	EN	M	1	5.0
091021	C	MAT/01	LOGIC AND ALGEBRA 2 <i>Students form A to ZZZZ - Docente non definito</i>	IT	M	1	5.0
089180	C	MAT/08	NUMERICAL ANALYSIS <i>Students form A to ZZZZ - Perotto Simona</i>	EN	M	1	5.0
088877	C	ING-INF/04	SYSTEMS THEORY (NONLINEAR DYNAMICS) <i>Students form A to ZZZZ - Dercole Fabio</i>	IT	M	1 (1)	5.0
089195	C	ING-INF/04	COMPLEX SYSTEMS DYNAMICS <i>Students form A to ZZZZ - 089193 COMPLEX SYSTEMS AND NETWORKS - 1 Sem (?) - Piccardi Carlo - 089191 SYSTEMS THEORY - 1 Sem (1) - Dercole Fabio</i>	IT	I	1	10.0
060001	C	BIO/09	BIOLOGY AND PHYSIOLOGY <i>Students form A to E - Docente non definito Students form E to P - Docente non definito Students form P to ZZZZ - Docente non definito</i>	IT	M	2	10.0
090037	C	ING-INF/04	MODEL IDENTIFICATION AND DATA ANALYSIS - 1ST MODULE <i>Students form A to ZZZZ - Bittanti Sergio</i>	EN	M	2	5.0
090038	C	ING-INF/04	MODEL IDENTIFICATION AND DATA ANALYSIS - 2ND MODULE <i>Students form A to ZZZZ - Savaresi Sergio Matteo</i>	EN	M	2	5.0
099322	C	ING-INF/03	SIGNALS AND SYSTEMS FOR COMMUNICATIONS <i>Students form A to ZZZZ - Prati Claudio Maria</i>	IT	M	2	10.0
051587	C	ING-INF/04	MODEL IDENTIFICATION AND DATA ANALYSIS <i>Students form A to ZZZZ - 051589 MODEL IDENTIFICATION AND DATA ANALYSIS - 2ND MODULE - Savaresi Sergio Matteo - 051588 MODEL IDENTIFICATION AND DATA ANALYSIS - 1ST MODULE - Bittanti Sergio</i>	EN	I	2	10.0

(1) Course offered in the first half-semester

(2) Course offered in the second half-semester

Courses of the Group INT2

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
097677	C	M-FIL/02	COMPUTER ETHICS <i>Students form A to ZZZZ - Schiaffonati Viola</i>	EN	M	1	5.0
097678	C	ING-INF/07	DATA ACQUISITION SYSTEMS <i>Students form A to ZZZZ - Pesatori Alessandro</i>	EN	M	1	5.0
095901	C	ING-INF/04	ICT FOR CONTROL SYSTEMS ENGINEERING <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	1	5.0
085899	C	ING-INF/07	MEASUREMENTS <i>Students form A to ZZZZ - Pesatori Alessandro</i>	IT	M	1	5.0
099318	C	ING-INF/02	ELECTROMAGNETICS AND TRANSMISSION MEDIA <i>Students form A to ZZZZ - Morichetti Francesco</i>	IT	M	1	5.0
054092	C	ING-INF/01	SENSOR SYSTEMS <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	1	5.0 [3.0 @]
092183	--	INF/01	ONLINE GAME DESIGN <i>Students form -- to -- - Docente non definito</i>	--	U	2	5.0
085901	C	ING-INF/04	INDUSTRIAL AUTOMATION <i>Students form A to ZZZZ - Docente non definito</i>	IT	M	2	5.0

052582	--	M-PED/03	COMMUNICATION AND ARGUMENTATION <i>Students form A to ZZZZ - Di Blas Nicoletta</i>	EN	M	2	5.0 [5.0 @]
088805	C	ING-IND/10	THERMODYNAMICS AND HEAT TRANSFER <i>Students form A to M - Salioni Alberto</i> <i>Students form M to ZZZZ - Guedon Gael Raymond</i>	IT	M	2	5.0
055514	C	ING-IND/35	HIGH-TECH ENTREPRENEURSHIP <i>Students form A to ZZZZ - Colombo Massimo Gaetano</i>	EN	M	2	5.0 [3.0 @]
088804	C	ING-IND/13	MECHANICS <i>Students form A to M - Cazzulani Gabriele</i> <i>Students form M to ZZZZ - Sabbioni Edoardo</i>	IT	M	2	5.0
090940	C	IUS/01	INFORMATICS AND LAW	IT	I	2	5.0

Courses of the Group MAT

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
085925	C	MAT/05	MATHEMATICAL ANALYSIS III <i>Students form A to ZZZZ - Arioli Gianni</i>	IT	M	1	5.0
097681	C	MAT/05	DISCRETE DYNAMICAL MODELS <i>Students form A to ZZZZ - Tomarelli Franco</i>	EN	M	1	5.0
088976	C	MAT/05	GAME THEORY <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	1 (1)	5.0
051823	C	MAT/09	DISCRETE OPTIMIZATION <i>Students form A to ZZZZ - Amaldi Edoardo</i>	EN	M	2	5.0
051822	C	MAT/09	NONLINEAR OPTIMIZATION <i>Students form A to ZZZZ - Amaldi Edoardo</i>	EN	M	2	5.0

(1) Course offered in the first half-semester

Courses of the Group TABA

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
095903	B	ING-INF/05	ADVANCED OPERATING SYSTEMS <i>Students form A to ZZZZ - Fornaciari William</i>	EN	M	1	5.0
089214	B	ING-INF/05	ARTIFICIAL INTELLIGENCE <i>Students form A to M - Amigoni Francesco</i> <i>Students form M to ZZZZ - Colombetti Marco</i>	EN	M	1	5.0
089183	B	ING-INF/05	DATA BASES 2 <i>Students form A to M - Comai Sara</i> <i>Students form M to ZZZZ - Fraternali Piero</i>	EN	M	1	5.0
090950	B	ING-INF/05	DISTRIBUTED SYSTEMS <i>Students form A to ZZZZ - Cugola Gianpaolo</i>	EN	M	1	5.0
095905	B	ING-INF/05	EMBEDDED SYSTEMS 1 <i>Students form A to ZZZZ - Fornaciari William</i>	EN	M	1	5.0
089182	B	ING-INF/05	FORMAL LANGUAGES AND COMPILERS <i>Students form A to M - Breveglieri Luca Oddone</i> <i>Students form M to ZZZZ - Morzenti Angelo Carlo</i>	EN	M	1	5.0
095943	B	ING-INF/05	PRINCIPLES OF PROGRAMMING LANGUAGES <i>Students form A to ZZZZ - Pradella Matteo</i>	EN	M	1	5.0
052536	B	ING-INF/05	SOFT COMPUTING <i>Students form A to ZZZZ - Bonarini Andrea</i>	EN	M	1	5.0 [1.5 @]
054443	B	ING-INF/05	SOFTWARE ENGINEERING 2 <i>Students form A to M - Di Nitto Elisabetta</i> <i>Students form M to ZZZZ - Rossi Matteo Giovanni</i>	EN	M	1	5.0 [2.0 @]
052537	B	ING-INF/05	TECHNOLOGIES FOR INFORMATION SYSTEMS <i>Students form A to ZZZZ - Tanca Letizia</i>	EN	M	1	5.0 [1.0 @]
089181	B	ING-INF/05	THEORETICAL COMPUTER SCIENCE <i>Students form A to ZZZZ - Morzenti Angelo Carlo</i>	EN	M	1	5.0
095907	B	ING-INF/05	EMBEDDED SYSTEMS <i>Students form A to ZZZZ</i> <i>- 095906 EMBEDDED SYSTEMS 1 - 1 Sem (1) - Fornaciari William</i> <i>- 095904 ADVANCED OPERATING SYSTEMS - Fornaciari William</i>	EN	I	1	10.0
088949	B	ING-INF/05	ADVANCED COMPUTER ARCHITECTURES <i>Students form A to M - Silvano Cristina</i> <i>Students form M to ZZZZ - Santambrogio Marco Domenico</i>	EN	M	2	5.0
091023	B	ING-INF/05	BUSINESS INFORMATION SYSTEMS 1 <i>Students form A to ZZZZ - Francalanci Chiara</i>	EN	M	2	5.0
052535	B	ING-INF/05	BUSINESS INFORMATION SYSTEMS 2 <i>Students form A to ZZZZ - Francalanci Chiara</i>	EN	M	2	5.0 [5.0 @]
055633	B	ING-INF/05	COMPUTER SECURITY - UIC 587 <i>Students form A to M - Zanero Stefano</i> <i>Students form M to ZZZZ - Docente non definito</i>	EN	M	2	5.0

095898	B	ING-INF/05	COMPUTING INFRASTRUCTURES <i>Students form A to M - Palermo Gianluca</i> <i>Students form M to ZZZZ - Roveri Manuel</i>	EN	M	2	5.0
095941	B	ING-INF/05	DIGITAL SYSTEMS DESIGN METHODOLOGIES 1 <i>Students form A to ZZZZ - Ferrandi Fabrizio</i>	EN	M	2	5.0
095940	B	ING-INF/05	DIGITAL SYSTEMS DESIGN METHODOLOGIES 2 <i>Students form A to ZZZZ - Pilato Christian</i>	EN	M	2	5.0
088882	B	ING-INF/05	FORMAL METHODS FOR CONCURRENT AND REAL-TIME SYSTEMS (UIC 545) <i>Students form A to ZZZZ - San Pietro Pierluigi</i>	EN	M	2	5.0
089185	B	ING-INF/05	HIGH PERFORMANCE PROCESSORS AND SYSTEMS (UIC 569) <i>Students form A to ZZZZ - Santambrogio Marco Domenico</i>	EN	M	2	5.0
097683	B	ING-INF/05	MACHINE LEARNING <i>Students form A to P - Restelli Marcello</i> <i>Students form P to ZZZZ - Loiacono Daniele</i>	EN	M	2	5.0
085879	B	ING-INF/05	INFORMATIC TECHNOLOGIES FOR THE WEB 1 <i>Students form A to ZZZZ - Fraternali Piero</i>	IT	M	2	5.0
053879	B	ING-INF/05	BUSINESS INFORMATION SYSTEMS <i>Students form A to ZZZZ</i> <i>- 053878 BUSINESS INFORMATION SYSTEMS 2 - Francalanci Chiara</i> <i>- 053877 BUSINESS INFORMATION SYSTEMS 1 - Francalanci Chiara</i>	EN	I	2	10.0 [5.0 @]
095942	B	ING-INF/05	DIGITAL SYSTEMS DESIGN METHODOLOGIES <i>Students form A to ZZZZ</i> <i>- 095939 DIGITAL SYSTEMS DESIGN METHODOLOGIES 2 - 2 Sem (?) - Pilato Christian</i> <i>- 095938 DIGITAL SYSTEMS DESIGN METHODOLOGIES 1 - 2 Sem (1) - Ferrandi Fabrizio</i>	EN	I	2	10.0

(1) Course offered in the first half-semester

(?) Course offered in the second half-semester

Courses of the Group TABB

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
054308	B	ING-INF/05	ADVANCED CYBERSECURITY TOPICS <i>Students form A to ZZZZ - Zanero Stefano</i>	EN	M	1	5.0 [2.0 @]
097685	B	ING-INF/05	ADVANCED USER INTERFACES <i>Students form A to ZZZZ - Garzotto Franca</i>	EN	M	1	5.0
054307	B	ING-INF/05	ARTIFICIAL NEURAL NETWORKS AND DEEP LEARNING <i>Students form A to ZZZZ - Matteucci Matteo</i>	EN	M	1	5.0
089169	B	ING-INF/05	AUTONOMOUS AGENTS AND MULTIAGENT SYSTEMS <i>Students form A to ZZZZ - Amigoni Francesco</i>	EN	M	1	5.0
095944	B	ING-INF/05	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY <i>Students form A to ZZZZ - Masseroli Marco</i>	EN	M	1	5.0
090945	B	ING-INF/05	COMPUTER SYSTEMS PERFORMANCE EVALUATION <i>Students form A to ZZZZ - Gribaudo Marco</i>	EN	M	1	5.0
094743	B	ING-INF/05	DATA MANAGEMENT FOR THE WEB <i>Students form A to ZZZZ - Ceri Stefano</i>	EN	M	1	5.0
055632	B	ING-INF/05	DATA MINING AND TEXT MINING <i>Students form A to ZZZZ - Lanzi Pierluca</i>	EN	M	1	5.0
093212	B	ING-INF/05	DESIGN AND IMPLEMENTATION OF MOBILE APPLICATIONS <i>Students form A to ZZZZ - Baresi Luciano</i>	EN	M	1	5.0
099332	B	ING-INF/05	DIGITAL PROJECT MANAGEMENT <i>Students form A to ZZZZ - Della Valle Emanuele</i>	EN	M	1	5.0
054447	B	ING-INF/05	DISTRIBUTED SOFTWARE DEVELOPMENT <i>Students form A to ZZZZ - Mirandola Raffaella</i>	EN	M	1	5.0 [2.0 @]
052556	B	ING-INF/05	DOMAIN SPECIFIC MODELLING <i>Students form A to ZZZZ - Brambilla Marco</i>	EN	M	1	5.0
095945	B	ING-INF/05	ICT FOR HEALTH CARE <i>Students form A to ZZZZ - Masseroli Marco</i>	EN	M	1	5.0
099993	B	ING-INF/05	IMAGE ANALYSIS AND COMPUTER VISION <i>Students form A to ZZZZ - Caglioti Vincenzo</i>	EN	M	1	5.0
052533	B	ING-INF/05	MIDDLEWARE TECHNOLOGIES FOR DISTRIBUTED SYSTEMS <i>Students form A to ZZZZ - Mottola Luca</i>	EN	M	1	5.0 [1.0 @]
088946	B	ING-INF/05	NATURAL LANGUAGE PROCESSING <i>Students form A to ZZZZ - Tedesco Roberto</i>	EN	M	1 (1)	5.0
052534	B	ING-INF/05	RECOMMENDER SYSTEMS <i>Students form A to ZZZZ - Cremonesi Paolo</i>	EN	M	1	5.0 [2.0 @]
054306	B	ING-INF/05	UNSTRUCTURED AND STREAMING DATA ENGINEERING <i>Students form A to ZZZZ - Della Valle Emanuele</i>	EN	M	1	5.0
089175	B	ING-INF/05	VIDEOGAME DESIGN AND PROGRAMMING <i>Students form A to ZZZZ - Lanzi Pierluca</i>	EN	M	1	5.0
095946	B	ING-INF/05	ADVANCED ALGORITHMS AND PARALLEL PROGRAMMING <i>Students form A to ZZZZ - Ferrandi Fabrizio</i>	EN	M	2	5.0
055698	B	ING-INF/05	ADVANCED TOPICS IN COMPUTER SCIENCE AND ENGINEERING <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	2	5.0

090957	B	ING-INF/05	CODE TRANSFORMATION AND OPTIMIZATION <i>Students form A to ZZZZ - Agosta Giovanni</i>	EN	M	2	5.0
090958	B	ING-INF/05	COMPUTER GRAPHICS <i>Students form A to ZZZZ - Gribaudo Marco</i>	EN	M	2	5.0
095947	B	ING-INF/05	CRYPTOGRAPHY AND ARCHITECTURES FOR COMPUTER SECURITY <i>Students form A to ZZZZ - Pelosi Gerardo</i>	EN	M	2	5.0
054444	B	ING-INF/05	DATA INTELLIGENCE APPLICATIONS <i>Students form A to ZZZZ - Gatti Nicola</i>	EN	M	2	5.0 [5.0 @]
090955	B	ING-INF/05	DEPENDABLE SYSTEMS <i>Students form A to ZZZZ - Cassano Luca Maria</i>	EN	M	2 (¹)	5.0
055812	--	INF/01	DIGITAL FORENSICS AND CYBERCRIME <i>Students form -- to -- - Docente non definito</i>	EN	M	2	5.0
051308	B	ING-INF/05	DIGITAL INNOVATION LAB <i>Students form A to ZZZZ - Brambilla Marco</i>	EN	M	2	5.0
054445	B	ING-INF/05	ECONOMICS AND COMPUTATION <i>Students form A to ZZZZ - Gatti Nicola</i>	EN	M	2	5.0 [5.0 @]
089318	B	ING-INF/05	HYPERMEDIA APPLICATIONS (WEB AND MULTIMEDIA) <i>Students form A to ZZZZ - Docente non definito</i>	EN	M	2	5.0
089012	B	ING-INF/05	KNOWLEDGE ENGINEERING <i>Students form A to ZZZZ - Colombetti Marco</i>	EN	M	2	5.0
054446	B	ING-INF/05	MULTIDISCIPLINARY PROJECT <i>Students form A to ZZZZ - Cremonesi Paolo</i>	EN	M	2	5.0 [1.0 @]
090951	B	ING-INF/05	PHILOSOPHICAL ISSUES OF COMPUTER SCIENCE <i>Students form A to ZZZZ - Schiaffonati Viola</i>	EN	M	2	5.0
095948	B	ING-INF/05	PROCESS AND SERVICE DESIGN <i>Students form A to ZZZZ - Plebani Pierluigi</i>	EN	M	2	5.0
089013	B	ING-INF/05	ROBOTICS <i>Students form A to ZZZZ - Matteucci Matteo</i>	EN	M	2	5.0
093217	B	ING-INF/05	ROBOTICS AND DESIGN <i>Students form A to ZZZZ - Bonarini Andrea</i>	EN	M	2	5.0

(¹) Course offered in the first half-semester

Courses of the Group TEL

Code	Act type	SSD	Course Title	Language	Type	Sem	CFU
096120	C	ING-INF/03	COMMUNICATION NETWORK DESIGN <i>Students form A to ZZZZ - Tornatore Massimo</i>	EN	M	1	5.0
093269	C	MAT/03	DISCRETE MATHEMATICS <i>Students form A to ZZZZ - Notari Roberto</i>	EN	M	1	5.0
052470	C	ING-INF/03	QUANTUM COMMUNICATIONS <i>Students form -- to -- - Docente non definito</i>	EN	M	1	5.0
093735	C	MAT/09	GRAPH OPTIMIZATION <i>Students form A to ZZZZ - Carello Giuliana</i>	EN	M	2	5.0
054323	C	ING-INF/03	INTERNET OF THINGS <i>Students form A to ZZZZ - Cesana Matteo</i>	EN	M	2	5.0 [1.0 @]
089043	C	ING-INF/03	MULTIMEDIA INTERNET <i>Students form A to ZZZZ - Giacomazzi Paolo</i>	EN	M	2	10.0
091036	C	ING-INF/03	MULTIMEDIA INTERNET APPLICATIONS <i>Students form A to ZZZZ - Giacomazzi Paolo</i>	EN	M	2	5.0
054327	C	ING-INF/03	WIRELESS INTERNET <i>Students form A to ZZZZ - Redondi Alessandro Enrico Cesare</i>	EN	M	2	5.0 [1.0 @]
054328	C	ING-INF/03	WIRELESS NETWORKS <i>Students form A to ZZZZ</i> - 054326 WIRELESS INTERNET - Redondi Alessandro Enrico Cesare - 054324 MOBILE RADIO NETWORKS - Capone Antonio	EN	I	2	10.0 [2.0 @]