

POLITECNICO DI BARI
DIPARTIMENTO DI INGEGNERIA ELETTRICA E DELL'INFORMAZIONE
(DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING)

Direttore del Dipartimento (Head of Department) **prof. Gennaro BOGGIA**

CORSO DI LAUREA MAGISTRALE IN INGEGNERIA INFORMATICA (LM-32)
MASTER DEGREE IN COMPUTER ENGINEERING

Coordinatore (Coordinator) **prof. Michele RUTA**

MANIFESTO DEGLI STUDI A.A. 2022/23
Academic year 2022/23

LIST OF COURSES
ELENCO DELLE DISCIPLINE

First year of cycle 2022
I anno coorte 2022

Curriculum: ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

1° semestre (first semester)			2° semestre (second semester)		
<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)	<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)
Statistical and Mathematical methods for Artificial Intelligence (SSD: MAT/08)	Marina POPOLIZIO	6	Digital business (SSD: ING-IND/35)	Umberto PANNIELLO	6
Foundations of machine learning (SSD: ING-INF/05)	Tommaso DI NOIA	6	Agent-based Artificial Intelligence (SSD: ING-INF/05)	Tommaso DI NOIA	6
Computer Vision\1st module: Image Processing (SSD: ING-INF/05)	Andrea GUERRIERO	6	Formal languages and compilers (SSD: ING-INF/05)	Floriano SCIOSCIA	6
Computer Vision\2nd module: Artificial Vision (SSD: ING-INF/05)	Francescomaria MARINO	6	Deep Learning (SSD: ING-INF/05)	Vito Walter ANELLI	6
Internet of things (SSD: ING-INF/03)	Nicola CORDESCHI	6	Elective course		6
CFU TOTALI (TOTAL NUMBER OF ECTS)		30	CFU TOTALI (TOTAL NUMBER OF ECTS)		30

**First year of cycle 2022
I anno coorte 2022**

Curriculum: CYBERSECURITY AND CLOUD

1° semestre (first semester)			2° semestre (second semester)		
<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)	<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)
Cryptography (SSD: MAT/03)	Angela AGUGLIA	6	Deep Learning (SSD: ING-INF/05)	Vito Walter ANELLI	6
Control of networks systems (SSD: ING-INF/04)	Saverio MASCOLO	6	Digital business (SSD: ING-IND/35)	Umberto PANNIELLO	6
Security by Design\ 1st module: Network Security (SSD: ING-INF/03)	Giuseppe PIRO	6	Security by Design\ 2nd module: Ethical Hacking Laboratory (SSD: ING-INF/03)	Ilaria CIANCI	6
Software architecture and pattern design (SSD: ING-INF/05)	Marina MONGIELLO	6	Secure Programming laboratory (SSD: ING-INF/05)	Paolo OTTOLINO	6
Foundations of machine learning (SSD: ING-INF/05)	Tommaso DI NOIA	6	Elective course		6
CFU TOTALI (TOTAL NUMBER OF ECTS)		30	CFU TOTALI (TOTAL NUMBER OF ECTS)		30

**First year of cycle 2022
I anno coorte 2022**

Curriculum: CYBERPHYSICAL SYSTEMS

1° semestre (first semester)			2° semestre (second semester)		
<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)	<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)
Software architecture and pattern design (SSD: ING-INF/05)	Marina MONGIELLO	6	Artificial intelligence for automation (ING-INF/04)	Maria Pia FANTI	6
Computer Vision\1st module: Image Processing (SSD: ING-INF/05)	Andrea GUERRIERO	6	Digital business (SSD: ING-IND/35)	Umberto PANNIELLO	6
Computer Vision\ 2nd module: Artificial Vision (SSD: ING-INF/05)	Francescomaria MARINO	6	Digital Programmable Systems (SSD: ING-INF/01)	Giuseppe COVIELLO	6
Foundations of machine learning (SSD: ING-INF/05)	Tommaso DI NOIA	6	Engineered Intelligent systems (SSD: ING-INF/05)	Vincenzo DI LECCE	6
Advanced data acquisition and intelligent data processing (SSD: ING-INF/07)	Attilio DI NISIO	6	Elective course (A scelta dello studente)		6
Satellite systems for remote sensing and geolocation (SSD: FIS/01) <i>Disciplina a scelta dello studente</i>	Fabio BOVENGA	6			
CFU TOTALI (TOTAL NUMBER OF ECTS)		30	CFU TOTALI (TOTAL NUMBER OF ECTS)		30

Second year of cycle 2021
Il anno coorte 2021

Curriculum: INFORMATION SYSTEMS

1° semestre (first semester)			2° semestre (second semester)		
<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)	<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)
Advanced software engineering (SSD: ING-INF/05)	Marina MONGIELLO	6	Elective course		6
Artificial intelligence and machine learning (SSD: ING-INF/05)	Tommaso DI NOIA	12	Internship		6
Web languages and technologies 1st module: web languages (SSD: ING-INF/05)	Floria SCIOSCIA	6	Final Examination		18
Web languages and web technologies 2nd module: web-oriented Technologies and Systems (SSD: ING-INF/05)	Michele RUTA	6			
CFU TOTALI (TOTAL NUMBER OF ECTS)		30	CFU TOTALI (TOTAL NUMBER OF ECTS)		30

Second year of cycle 2021
Il anno coorte 2021

Curriculum: PRODUCTIVE SYSTEMS

1° semestre (first semester)			2° semestre (second semester)		
<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)	<i>Discipline</i> (courses)	DOCENTE (LECTURER)	CFU (ECTS)
Advanced software engineering (SSD: ING-INF/05)	Marina MONGIELLO	6	Engineered Intelligent Systems (SSD: ING-INF/05)	Vincenzo DI LECCE	6
Artificial intelligence and machine learning (SSD: ING-INF/05)	Tommaso DI NOIA	12	Internship		6
Web languages and technologies 1st module: web languages (SSD: ING-INF/05)	Floriano SCIOSCIA	6	Final Examination		18
Web languages and web technologies 2nd module: web-oriented Technologies and Systems (SSD: ING-INF/05)	Michele RUTA	6			
CFU TOTALI (TOTAL NUMBER OF ECTS)		30	CFU TOTALI (TOTAL NUMBER OF ECTS)		30