

Course	Speciality	Level	Semester	Vol. in hours
Electromagnetic compatibility	Electronics and Computing sciences	Msc 2nd year	semester 1 (Sept-March)	20
RFID technologies	Electronics and Computing sciences	Msc 2nd year	semester 2 (Feb-May)	30
Local Area Networks (Ethernet)	Electronics and Computing sciences	Bsc 3rd year	semester 2 (Feb-May)	12
Algorithms	Electronics and Computing sciences	Bsc 3rd year	semester 1 (Sept-March)	23
Algorithms	Electronics and Computing sciences	Bsc 3rd year	semester 2 (Feb-May)	23
managaming a company	Engineering Soft Skills	Bsc 3rd year, Msc 1st year	semester 1 (Sept-March)	
Team building, speaking in public	Engineering Soft Skills	Bsc 3rd year	semester 1 (Sept-March)	35
Team building, speaking in public	Engineering Soft Skills	Msc 1st year	semester 1 (Sept-March)	35
European norms : EUROCODES 0 - 1	Civil engineering	Bsc 3rd year	semester 1 (Sept-March)	16
Linear algebra and vector analysis	Civil engineering	Bsc 3rd year	semester 1 (Sept-March)	18
Numerical calculations for structural analysis in civil engineering	Civil engineering	Msc 2nd year	semester 1 (Sept-March)	32
Introduction to the Finite Elements Method	Civil engineering	Msc 1st year	semester 1 (Sept-March)	42
Soil Mechanics and Foundation Engineering	Civil engineering	Msc 1st year	semester 2 (Feb-May)	34
Design of prestressed concrete	Civil engineering	Msc 1st year	semester 2 (Feb-May)	34
Fire resistance of post-installed reComputer sciencercement bars in concrete	Civil engineering	Msc 2nd year	semester 2 (Feb-May)	8
Probability theory and statistics	Civil engineering	Bsc 3rd year	semester 2 (Feb-May)	32
Fire resistance of post-installed reComputer sciencercement bars in concrete	Civil engineering	Msc 2nd year	semester 2 (Feb-May)	8
Innovative Processes in Building - Parties Technical Evaluations and Insulation Processes	Civil engineering	Msc 2nd year	semester 1 (Sept-March)	15
Fundamentals of acoustics and applications to civil engineering	Civil engineering	Bsc 3rd year	semester 2 (Feb-May)	38
Mathematical tool for mechanics	Mechanical engineering	Bsc 3rd year	semester 1 (Sept-March), semester 2 (Feb-May)	18 - 18
Mechanics of continuous media	Mechanical engineering	Bsc 3rd year	semester 1 (Sept-March)	24
Finite elements method and yield criteria	Mechanical engineering	Bsc 3rd year	semester 2 (Feb-May)	28
Partial derivative equations	Mechanical engineering	Msc 1st year	semester 1 (Sept-March)	38

Contact mechanics: roll bearing and gearing applications	Mechanical engineering	Msc 1st year	semester 2 (Feb-May)	16
Engineering mechanics	Mechanical engineering	Msc 2nd year	semester 1 (Sept-March)	108
Measurement systems and sensors	Mechanical engineering	Msc 1st year	semester 2 (Feb-May)	28
Structural Dynamics	Mechanical engineering	Msc 1st year	semester 1 (Sept-March)	30
Computational mathematics and optimization	Mechanical engineering	Msc 2nd year	semester 1 (Sept-March)	56
Probability theory and statistics	Mechanical engineering	Bsc 3rd year	semester 2 (Feb-May)	20
Modelling, performance and tuning of closed-loop systems	Mechanical engineering	Msc 1st year	semester 2 (Feb-May)	46
Fluids mechanics	Mechanical engineering	Msc 1st year	semester 1 (Sept-March)	38
System programming basics	Computer science	Msc 1st year	semester 1 (Sept-March)	28
PostGIS spatial databases	Computer science	Msc 1st year	semester 1 (Sept-March)	24
GIS architectures	Computer science	Msc 2nd year	semester 1 (Sept-March)	32
Enterprise Architecture	Computer science	Msc 2nd year	semester 2 (Feb-May)	16
Software Engineering	Computer science	Msc 1st year	semester 1 (Sept-March)	20
Remote sensing	Computer science	Msc 1st year	semester 2 (Feb-May)	12
Object Oriented Programming with Java	Computer science	Bsc 3rd year	semester 2 (Feb-May)	12
Network programming in Java	Computer science	Msc 1st year	semester 2 (Feb-May)	36
Computer Architecture	Computer science	Bsc 3rd year	semester 1 (Sept-March)	24
J2EE Servlet & JSP Training	Computer science	Msc 2nd year	semester 1 (Sept-March)	12
Data structures and algorithms 1 & 2	Computer science	Bsc 3rd year	semester 1 (Sept-March), semester 2 (Feb-May)	26+44
Local Area Networks (Ethernet)	Computer science	Msc 1st year	semester 1 (Sept-March)	12
Network programming in Java	Computer science	Msc 1st year	semester 2 (Feb-May)	36
Object-oriented programming & Design Patterns	Computer science	Msc 1st year	semester 2 (Feb-May)	36
Software Engineering - Elaboration	Computer science	Msc 2nd year	semester 1 (Sept-March)	36
Structural dynamics and modal analysis	Engineering of Maintenance and Reliability	Msc 2nd year	semester 1 (Sept-March)	40
Simulation	Engineering of Maintenance and Reliability	Msc 1st year	semester 1 (Sept-March)	18
Probability theory and statistics	Engineering of Maintenance and Reliability	Bsc 3rd year	semester 2 (Feb-May)	32

Programming and algorithms 1	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	48
Mathematics 1	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	48
Web programming (HTML, CSS, Javascript)	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	24
Applied arts	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	24
Algorithmic aesthetic (practice)	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	16
Video practice	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	24
English 1	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 1 (Sept-Jan)	24
Object-oriented programming 1 (C++)	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	36
Software engineering	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	24
Computer graphics 2	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	36
Mathematics for computer science	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	48
Signal processing 2	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	48
Main Pedagogic project (tutored project)	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 1 (Sept-Jan)	-
Design (digital services)	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40
Mobile Technology project	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40
Multimedia project	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40
Audiovisual project (Advanced post production)	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40
Video Game programming project	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40
Virtual Reality project	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	40

Advanced programming and Unity	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Image processing (GPGPU)	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Artistic direction	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Script programming (python)	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Advanced programming	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Visual culture	Image, Multimedia, Audiovisual and communication	Msc 2nd year	Semester 1 (Sept-March)	20
Advanced algorithmics and Programming	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	48
Computer graphics	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	48
Web programming 2 (data base, PHP)	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	24
Signal processing	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	48
Sound processing	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	20
English 2	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	24
After effect	Image, Multimedia, Audiovisual and communication	Bsc 3rd year	Semester 2 (Feb-May)	24
Mathematics 4 (probability)	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 2 (Feb-May)	48
Object-oriented programming 2 (java)	Image, Multimedia, Audiovisual and communication	Msc 1st year/Bsc 3rd year	Semester 2 (Feb-May/March-June)	36
Network	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 2 (Feb-May)	36
Language and understanding of cinema	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 2 (Feb-May)	24
Web programming 3 (Framework)	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 2 (Feb-May)	30
Main Pedagogic project (tutored project)	Image, Multimedia, Audiovisual and communication	Msc 1st year	Semester 2 (Feb-May)	-