



First Year			
	Course Title	Typology	ECTS
Semester I	Advanced Object Oriented Programming	B	6
	Advanced Numerical Methods	A	6
	Advanced Database Systems	B	6
	Advanced Machine Learning	B	6
	Intellectual Property Law for Engineerings	C	6
	Total Semester I		
Semester II	Data Science I	B	6
	Big Data	C	6
	Distributed Systems and Cloud Computing	B	6
	Profiling Technical Elective I	B	6
	Profiling Technical Elective II	B	6
	Total Semester II		
Total First Year			60

Second Year			
	Course Title	Typology	ECTS
Semester I	Project Management	C	6
	Research methods	A	6
	Profiling Technical Elective III	B	6
	Profiling Technical Elective IV	B	6
	Profiling Technical Elective V	B	6
	Total Semester I		
Sem. II	Diploma Thesis	E	18
	Internship	D	12
	Total Semester II		
Total Second Year			60

Total study program			120
----------------------------	--	--	------------

Table 1: Technical Elective Courses - Profile "Data Science"

Course Name	Typology	ECTS
Data Science II	B	6
Deep Learning and RL	B	6
Natural Language Processing	B	6
Intelligent Agent Systems	B	6
Computer Vision	B	6
Symbolic and Statistical Learning	B	6
Advanced Topics in Artificial Intelligence	B	6
Reliable and Trustworthy Artificial Intelligence	B	6
Knowledge Representation and Semantics	B	6
Cyber Security Law and Ethics	B	6
Advanced Software Engineering	B	6

Table 2: Technical Elective Courses - Profile "Cybersecurity"

Course Name	Typology	ECTS
Cyber Security	B	6
Cyber Security Law and Ethics	B	6
Digital Forensics	B	6
Information Security	B	6
Network Security	B	6
Security Engineering	B	6
Applied Cryptography	B	6
Advanced Topics in Communication Networks	B	6
Software Testing and Quality Assurance	B	6
Intelligent Agent Systems	B	6
Reliable and Trustworthy Artificial Intelligence	B	6
Advanced Software Engineering	B	6