

MSc in Blockchain and Digital Currency (1.5 year / 90 ECTS, Master of Science, Conventional)

TABLE 2: Course Distribution per Semester

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
1st Semester								
1.	Compulsory	Introduction to Blockchain and Digital Currency	BLOC-511	3	55'	12	36	10
2.	Compulsory	Blockchain Systems and Architectures	BLOC-512	3	55'	12	36	10
3.	Compulsory	Law and Regulation in Blockchain	BLOC-513	3	55'	12	36	10
2nd Semester								
4.	Compulsory	Emerging Topics in Blockchain and Digital Currency	BLOC-514	3	55'	12	36	10
5.	Compulsory	Blockchain and Entrepreneurship Management	BLOC-515	3	55'	12	36	10
6.	Compulsory	Principles of Money, Banking and Finance	BLOC-516	3	55'	12	36	10
3rd Semester - Elective Courses (*choose 3 courses or a Master Thesis)								
1.	Elective	Digital Currency Programming	BLOC-521	3	55'	12	36	10
2.	Elective	Smart Contract Programming	BLOC-522	3	55'	12	36	10
3.	Elective	Permissioned Blockchains Programming	BLOC-523	3	55'	12	36	10
4.	Elective	Cryptographic Systems Security	BLOC-524	3	55'	12	36	10

5.	Elective	Emerging Topics in Law and Regulation	BLOC-525	3	55'	12	36	10
6.	Elective	Emerging Topics in FinTech	BLOC-526	3	55'	12	36	10
7.	Elective	Open and Decentralized Financial Systems	BLOC-527	3	55'	12	36	10
8.	Elective	Token Economics	BLOC-528	3	55'	12	36	10
9.	*Elective	Master Thesis	BLOC-551	n/a	n/a	13	n/a	30

* Students can choose to compose a postgraduate Thesis (30 ECTS) or attend three elective courses.

- **Suggested Pathways:**

- Software Engineering Pathway
 - Take all 6 compulsory courses and
 - Choose 3 courses from 521, 522, 523 or 524
- Business, Finance and Regulation Pathway
 - Take all 6 compulsory courses and
 - Choose 3 courses from 525, 526, 527 or 528
- Free electives
 - Take all 6 compulsory courses and
 - Choose any 3 elective courses or the Master Thesis