

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course type	Course title	Course code	Periods per week	Period duration	Number of weeks/ Semester	Total periods/ Semester	Number of ECTS
A' Semester								
1.	Theoretical	Process Systems Engineering	CEN 501	1	3 hrs	13	13	8
2.	Theoretical	Reaction and Biochemical Engineering	CEN 502	1	3 hrs	13	13	8
3.	Theoretical	Life Cycle Assessment	CEN 601	1	3 hrs	13	13	7
4.	Theoretical-Experimental	SPECIALIZATION COURSE OPTION	CEN 510-511, CEN 520	1	3 hrs	13	13	5
B' Semester								
1.	Theoretical	Circular Biomaterials	CEN 602	1	3 hrs	13	13	7
2.	Theoretical	Renewable Fuel Production Processes	CEN 603	1	3 hrs	13	13	7
3.	Theoretical	Design Project	CEN 604	1	3 hrs	13	13	14
C' Semester								
1.	Theoretical or/and Experimental	Master Dissertation	CEN 620					30

ANNEX 1 – LIST OF COMPULSORY COURSES AND ELECTIVE COURSES

1.1 MSc Program in Chemical Engineering

A. Compulsory courses (8 ECTS each):

- 1) Process Systems Engineering (CEN 501)
- 2) Reaction and Biochemical Engineering (CEN 502)

B. Circular Bioeconomy Module courses (7 ECTS each):

- 1) Life Cycle Assessment (CEN 601)
- 2) Circular Biomaterials (CEN 602)
- 3) Renewable Fuel Production Processes (CEN 603)

C. Elective courses (choose one of the following) (5 ECTS each):

- 1) Standardization and Health and Safety of Circular Bioeconomy (CEN 510)
- 2) Analytical Chemistry Labs (CEN 511)
- 3) Industrial placement (CEN 520)

D. Design Project (CEN 604) (14 ECTS)

E. MSc Dissertation (30 ECTS)