

## **Description of the course**

MASTER	DEGREE	COURSE IN
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#### SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR THE CIRCULAR ECONOMY

#### Curriculum RESOURCES AND PRODUCT DESIGN AND RECYCLING

Study programme for students enrolled in the academic year 2024-2025 - entirely held in English

credits
9
6
6
9
12
6
6
6
credits
9
18
6
12
15

	Design and Recycling, five teachings have been introduced specifically for free- choice, shown in the table below, whose contents are certainly consistent with the educational path according to the didactic regulation of the degree course, attendance is	
•	mandatory for lessons for at least 70% of the hours and for laboratories for at least 75% of the hours	

FREE-CHOICE COURSE UNITS	credits
HEALTH AND ENVIRONMENT IN CIRCULAR ECONOMY	6
PSYCHOLOGY, POLICY MAKING AND EDUCATION TO A CIRCULAR ECONOMY	6
SYNTHETIC BIOTECHNOLOGY	6
UNDERSTANDING STATISTICS OF CIRCULAR ECONOMY	6
CIRCULAR ECONOMY SUMMER SCHOOL	5

### MASTER DEGREE COURSE IN

## SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR THE CIRCULAR ECONOMY

# Curriculum ENERGY CONVERSION AND STORAGE

Study programme for students enrolled in the academic year 2024-2025 - entirely held in English

1st YEAR	
COMPULSORY COURSE UNITS	credits
GREEN CHEMISTRY AND INNOVATIVE CHEMICAL PROCESS	9
RENAWABLE ENERGY TECHNOLOGIES	
WATER RESOURCES MANAGEMENT IN THE CIRCULAR ECONOMY	6
CIRCULAR AND SUSTAINABLE WASTE MANAGEMENT	9
THERMODYNAMICS AND CATALYSIS FOR CIRCULAR ECONOMY (C. I. MOD. A + MOD. B / THERMODINAMICS OF PROCESSES AND MATERIALS MOD. A + CATALYSIS FOR CIRCULAR ECONOMY MOD. B)	12
OPERATIONS AND SUPPLY CHAIN MANAGEMENT	6
EUROPEAN UNION ENVIRONMENTAL AND ENERGY LAW	6
ECONOMICS FOR THE CIRCULAR ECONOMY	6
2nd YEAR	
COMPULSORY COURSE UNITS	credits
BIOREFINERIES AND SUSTAINABLE ENERGY PRODUCTION AND STORAGE FOR CIRCULAR ECONOMY	15

SUSTAINABILITY STRATEGIES AND ENERGY ECONOMICS (C. I. MOD. A + MOD. B / SUSTAINABILITY STRATEGIES AND INNOVATION MANAGEMENT MOD. A + ENERGY ECONOMICS MOD. B)	12
LIFE CYCLE ASSESSMENT	6
OTHER COMPULSORY ACTIVITIES	
FREE-CHOICE CREDITS	12
FINAL EXAM	15
<ul> <li>USEFUL INFORMATION:</li> <li>free-choice credits can be chosen among the university's educational offer as long as they are consistent with the educational path</li> <li>in the educational offer of the Master degree course in Sustainable Chemistry and Technologies for the Circular Economy/Curriculum Resources and Product Design and Recycling, five teachings have been introduced specifically for freechoice, shown in the table below, whose contents are certainly consistent with the educational path</li> <li>according to the didactic regulation of the degree course, attendance is mandatory for lessons for at least 70% of the hours and for laboratories for at least 75% of the hours</li> </ul>	

FREE-CHOICE COURSE UNITS	
HEALTH AND ENVIRONMENT IN CIRCULAR ECONOMY	
PSYCHOLOGY, POLICY MAKING AND EDUCATION TO A CIRCULAR ECONOMY	6
SYNTHETIC BIOTECHNOLOGY	
UNDERSTANDING STATISTICS OF CIRCULAR ECONOMY	6
CIRCULAR ECONOMY SUMMER SCHOOL	5