

INSPIRING GLOBAL CHANGE SINCE 1222

SCHOOL OF SCIENCE

SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY

The Master's degree provides an extensive and highly interdisciplinary training programme for professionals to be employed in companies or public bodies applying a circular economy model to production and services. Students will be trained on the whole value chain underlying a circular economy model, though a strong focus will be given chiefly to techno-scientific skills and competences.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY

LEVEL Master

SCHOOL Science

DEPARTMENT Chemical Sciences

DURATION 2 years (120 ECTS)

START DATE October

LOCATION Padua, Italy

PROGRAMME COORDINATOR

Silvia Gross

WEB

www.unipd.it/en/circular-economy

APPLY.UNIPD.IT



TOP 200 2023

Chemical Engineering



ENTRY REQUIREMENTS

- Bachelor's degree (or equivalent) in Chemistry, Industrial Chemistry or related fields (e.g. Chemical Engineering, Materials Science/Engineering), with proven skills in Physics, Mathematics, Earth Sciences, Thermodynamics, Biochemistry
- English language: B2 level (CEFR) or equivalent

PROGRAMME STRUCTURE

1st Year (common path): Green Chemistry, Thermodynamics and Catalysis for Circular Economy, Operations and Supply Chain Management, Renewable Energy Technologies, Environmental European Law, Water Resources Management in the Circular Economy, Economics for the Circular Economy, Circular and Sustainable Waste Management.

2nd year:

Path 1 - Resources and Product Design and Recycling;

Path 2 - Energy Conversion and Storage.

TUITION FEES AND SCHOLARSHIPS

Annual fees: up to € 2,700 (3 instalments)

Scholarships and fee-waivers for international students available: www.unipd.it/en/funding-and-fees

CAREER OPPORTUNITIES

Graduates work in product design and development, as R&D managers, raw materials supply and logistics managers, sustainability and Corporate Social Responsibility (CSR) managers, sustainability reporting managers, Circular Economy managers responsible for communicating with all branches of the company and merging together all parts of the value chain (resource purchase and supply, product design and production, recycling, waste management, logistics), as well as professional consultants.