



DOUBLE DEGREE WITH THE UNIVERSITY OF APPLIED SCIENCES AND ARTS NORTHWESTERN SWITZERLAND (FHNW)

STUDY PROGRAMME

1st year: UNIBO

Autumn Semester	Spring Semester
INTRODUCTION TO NUMERICAL METHODS (6 ECTS) RESOURCES AND RECYCLING M (9 ECTS) CIRCULAR ECONOMY: BASICS AND IMPLICATIONS (6 ECTS) LAB OF ENVIRONMENTAL ENGINEERING AND ENERGY ECONOMICS (3 ECTS) GLOBAL ENVIRONMENTAL LAW (6 ECTS)	BIOTECHNOLOGY FOR THE SUSTAINABLE RECLAMATION OF CONTAMINATED LANDS AND WATERS M (6 ECTS) INDUSTRIAL ECOLOGY M I.C. (9 ECTS) CLIMATE CHANGE ADAPTATION (6 ECTS) POLITICAL ECONOMY OF INDUSTRY AND DEVELOPMENT (6 ECTS)
57 ECTS	

2nd year: TWO OPTIONS



TWO SEMESTERS MOBILITY
Thesis @ FHNW

ONE SEMESTER MOBILITY
Thesis @ UNIBO

OPTION 1: TWO SEMESTERS MOBILITY (preferable)

Autumn Semester offer at FHNW	Spring Semester
Process Technology for Industrial Pollution Control (3 Ects) Remediation (3 Ects) Valorization of Biomass Waste and Side Streams (3 Ects) Life Cycle Assessment (3 Ects) Sustainable Development Natural Resource Management (3 Ects) Modelling of Complex Systems (3 Ects) Handling and Visualizing data (3 Ects) Design and Analysis of Experiments (3 Ects) Modelling and Exploration of Multivariate Data (3 Ects) Ecological Infrastructure in Landscapes (3 Ects) Journal Club Environmental and Natural Resource Sciences (3 Ects)	Master's Thesis (40 ECTS)
24 ECTS have to be gained	40 ECTS

OPTION 2: ONE SEMESTER MOBILITY

Autumn Semester offer at FHNW	Spring Semester at UNIBO
Process Technology for Industrial Pollution Control (3 Ects) Remediation (3 Ects) Valorization of Biomass Waste and Side Streams (3 Ects) Life Cycle Assessment (3 Ects) Sustainable Development Natural Resource Management (3 Ects) Modelling of Complex Systems (3 Ects) Handling and Visualizing data (3 Ects) Design and Analysis of Experiments (3 Ects) Modelling and Exploration of Multivariate Data (3 Ects) Ecological Infrastructure in Landscapes (3 Ects) Journal Club Environmental and Natural Resource Sciences (3 Ects) Electives (max 6 ECTS)	Electives (6 ECTS) Internship (6 ECTS) Internship for the preparation of the final examination (12 ECTS) Final examination (6 ECTS)
33 ECTS have to be gained	30 ECTS