

STUDY PROGRAM FOR STUDENTS ENROLLED AT UNINA

Students must take all mandatory courses + some elective ones. The total number of credits (including thesis preparation and thesis defence) must be 150.

Students enrolled at UNINA will spend two semesters in Italy and two semesters in the Czech Republic. The 5th semester, dedicated to the thesis preparation and defence, could be spent either in Italy or in the Czech Republic.

MANDATORY COURSES IN ITALY		
ENGLISH NAME	ITALIAN NAME	ETCS
Energy Management	Gestione delle Risorse Energetiche del Territorio	9
Environmental Hydraulics	Idraulica Ambientale	9
Advanced Applied Engineering Mathematics	Modelli e Metodi Numerici per l'Ingegneria	9
Plants for the Treatment of Aeriform Effluents	Impianti di Trattamento degli Aeriformi	9
Waste to Energy and Circular Economy	Energia dai Rifiuti ed Economia Circolare	9
Safety in Chemical Processes	Sicurezza e Protezione Ambientale nell'industria di Processo	9

ELECTIVE COURSES IN ITALY		
ENGLISH NAME	ITALIAN NAME	ETCS
Applied Environmental Geology	Geologia Applicata alla Difesa dell'Ambiente	9
Technologies for a Sustainable Energetic Development	Tecnologie per lo Sviluppo Energetico Sostenibile	9
Hydraulics for System Ecodesign	Idraulica per l'Energia e l'Ambiente	9
Mitigation of Climate Change	Mitigazione dei Cambiamenti Climatici	9
Transport Planning and Appraisal	Pianificazione dei Sistemi di Trasporto	9
Environmental Assessment and Authorisations	Valutazioni e Autorizzazioni Ambientali	9
Environmental Monitoring and Air Quality Management	Monitoraggio degli Inquinanti nell'Ambiente	9

MANDATORY COURSES IN THE CZECH REPUBLIC		
ENGLISH NAME	ETCS	
Landascape and Ecological Applications	6	
Strategic Planning and assessment	4	
Landascape Planning	6	
Landscape Architecture	6	
Aquatic Ecosystem Restoration	6	
Workshop I – Global Environmental Issues	2	
Climate Change Adaptation	5	
Water Resource Protection	6	
Environmental Economics	5	

ELECTIVE COURSES IN THE CZECH REPUBLIC		
ENGLISH NAME	ETCS	
Emerging Pollutants in the Environment	5	
Drinking and Waste Water Treatment	5	
Applied Statistics for Ecologists	5	
Land Management	6	
Air Pollution	6	
Physico-chemical Aspects of Processes in the Environment	4	
Forest Ecology and Management	5	
Land Reclamation	5	
GIS I	5	
Environmental Hydrology	6	

Bioeconomy	4
Spatial Planning	6
Landscape Planning Studio	3
Nature Based Solutions	6
Landscape Ecology	5
Radioecology	3
Management of Invasive and Non-native Species	4
Hydrodynamics in Porous Media	6
Numerical Methods	6
Ecosystems Conservation and Management	6
Global Change and Water Resources	5
Ecological Restoration and Ecology	5
Hydrological Modeling	5
Valuation of Natural Resources	5
Landscape Planning Studio Workshop	3

THESIS PREPARATION AND DEFENCE

ENGLISH NAME	ETCS
Thesis Preparation	6
Thesis Defence	15