

TECHNICAL ANNEX – STUDY TRACKS FOR STUDENTS ENROLLED IN THE PROGRAM

Students enrolled in the first year at UNIMIB will complete 72 ECTS in the UNIMIB part of the table in the first three semesters, and 48 ECTS in the RTU part of the table for the fourth semester. Students enrolled in the first year at RTU will complete 72 ECTS in the RTU part of the table in the three semesters year, and 48 ECTS in the UNIMIB part of the table for the fourth semester.

TRACK RTU -> UNIMIB		TRACK UNIMIB -> RTU			
RTU		UNIMIB			
Semesters I-III		Semesters I-III			
		Specialization: "Environmental Sustainability"		Specialization: "Environmental Quality and Management"	
<i>Mandatory courses:</i>	ECTS	<i>Mandatory courses:</i>	ECTS	<i>Mandatory courses:</i>	ECTS
Environmental policy and economics	8	Processi Biologici di Valorizzazione delle Biomasse (Biological Processes for Biomass Valorization)	8	Biologia Ambientale Applicata (Applied Environmental Biology)	8
Basics of Labour Protection	1	Chimica Sostenibile (Sustainable Chemistry)	12	Chimica Ambientale (Environmental Chemistry)	12
Environmental Technology	15	Diritto Ambientale (Environmental Law)	6	Diritto Ambientale (Environmental Law)	6
Environmental Impact Assessment	6	Environmental and Energy Economics*	8	Environmental and Energy Economics*	8
Intersectoral and Interdisciplinary Research Methods	6	Gestione Sostenibile del Territorio (Sustainable Territory Management)	12	Geologia, Ambiente e Territorio (Geology, Environment and Territory)	12
		Sostenibilità Agraria, Urbana, Industriale (Agricultural, Urban, and Industrial Sustainability)	8	Valutazione di Impatto Ambientale (Environmental Impact Assessment)	8
<i>Compulsory Elective courses taken from the Master study program</i>	30	<i>Compulsory Elective courses taken from the Master study program</i>	12	<i>Compulsory Elective courses taken from the Master study program</i>	12
<i>Free ECTS:</i>	6	<i>Free ETCS:</i>	6	<i>Free ETCS:</i>	6
Total	72	Total	72	Total	72



UNIMIB	ECTS	RTU	ECTS
Semester IV		Semester IV	
<i>Mandatory courses (12 ECTS):</i>		<i>18 ECTS from the following:</i>	
Botanica Applicata (Applied Botany)*	6	Socio-economic Aspects of Energy Supply*	6
Modellazione e Gestione delle Acque Sotterranee (Groundwater Modeling and Management)*	6	Intersectoral and Interdisciplinary Research Methods*	6
		Energy Efficiency and Energy Audit of Buildings*	6

UNIMIB	ECTS	RTU	ECTS
<i>6 ECTS from the following elective courses:</i>		Ecodesign and Life Cycle Analysis*	9
Processi e Impianti di Trattamento e Bonifica (Waste, wastewater and contaminated sites management)*	6	Carbon Economy*	9
Chimica dell'atmosfera (Atmospheric Chemistry)*	6	Environmental Impact Assessment†*	6
Processi a basso impatto ambientale (Low Environmental Impact Processes)*	6		
<i>Master thesis*:</i>		<i>Master thesis*:</i>	
Prova Finale (Final Examination)	21	Master thesis	30
Lingua Inglese (English Language for Thesis writing)	3		
Attività di Tesi a scelta durante Erasmus (Chosen Activities for Final Examination taken during the Erasmus Period)	6		
Total	48	Total	48

*This course/activity is carried out in English

† Only for Specialization: "Environmental Sustainability"