

94. Master IMES in Sustainable Renewable Energies

I livello

Dipartimento di Ingegneria Industriale (DIEF)**Coordinatore del corso**

Maurizio De Lucia

PIANO DI STUDI

Insegnamento	Settore Scientifico Disciplinare	CFU
AGRICULTURE & FORESTRY FOR RENEWABLES		
Forestry and Agro-Forestry Biomass Production	AGR/05	3
Agricultural Energy crops and residues	AGR/02	3
Technologies and Renewable Energies for Agriculture and Forestry	AGR/09	3
RENEWABLE ENERGY TECHNOLOGIES		
Fundamentals of thermodynamics and Introduction to Energy Systems	ING-IND/09	3
Solar Energy	ING-IND/32	3
Biomass Energy Conversion for energy and industrial applications & carbon neutrality	ING-IND/09	3
Wind Energy, Hydropower, and other RES	ING-IND/09	3
SMART SYSTEMS		
Artificial Intelligence and Data Management for Sustainable Systems	ING-INF/05	3
Smart cities, smart grids, Positive Energy Districts, and integration on the way to Green Deal targets	ING-IND/31	3
ADVANCED BIOFUELS, GREEN CHEMISTRY & BIOREFINERIES		
Chemical and Physical Characteristic of solid and liquid Biofuels, and Conventional Biofuels	CHIM/02	3

Advanced Biofuels, Biorefineries and Bioeconomy	CHIM/04	3
RES & ENVIRONMENT		
Renewable energy sustainability	BIO/07	3
Carbon Capture, Utilisation, and Storage	ING-IND/09	3
BUSINESS AND ENERGY MANAGEMENT, ECONOMY, AND EU LEGISLATION		
Economics, Energy Market, and EU Legislation	SECS-P/02	3
Energy Planning and Management	ING-IND/09	3
Totale CFU didattica frontale		45
Tirocinio		10
Prova finale		5
Totale		60