

ECVET credits assignment to ETEROB modules and learning units

Module	Learning Units	Soft skills	Technical skills	EQF Level	Hours	ECVET points
Introduction to building refurbishment for energy performance	Improving the energy efficiency of heating systems in residential buildings in Europe	20%	80%	4	5	0,5
	Weatherization and energy efficiency improvement for existing homes	20%	80%	4	5	0,5
	Benefits of refurbishment	20%	80%	4	5	0,5
Conservation of historic buildings, fundamentals	Introduction to architectural conservation	20%	80%	4	5	0,5
	Structural aspects of historic buildings	20%	80%	4	10	1
	Energy efficiency and historic buildings	20%	80%	4	10	1
	Understanding the building before starting upgrading works	20%	80%	4	5	0,5
	Upgrading buildings elements	20%	80%	4	5	0,5
Assessment and evaluation of old buildings related to energy performance	Comparison of standard assessment methods	20%	80%	4	5	0,5
	Life-cycle energy performance evaluation	30%	70%	4	5	0,5
	Effective tracking of building energy use	20%	80%	4	5	0,5
	Green energy audit of buildings	30%	70%	4	5	0,5

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Standards	LEED	20%	80%	4	5	0,5
	ASHARE	20%	80%	4	5	0,5
	PHC	20%	80%	4	5	0,5
Materials used in building refurbishment	Opaque building envelope	20%	80%	4	5	0,5
	Modern, high performance insulation materials	20%	80%	4	5	0,5
	Transparent building envelope - energy-efficient windows, nanogel windows, shading device	20%	80%	4	5	0,5
	Phase-Change Materials	20%	80%	4	5	0,5
	Materials for Sustainable Energy	30%	70%	4	5	0,5
	Materials for energy efficiency and thermal comfort in buildings	30%	70%	4	5	0,5
	Materials skills for historic building conservation	30%	70%	4	5	0,5
Modern technology	Thermal energy storage technologies	20%	80%	4	5	0,5
	Switchable glazing technology	20%	80%	4	5	0,5
	HVAC systems	20%	80%	4	5	0,5
	Low energy cooling systems	20%	80%	4	5	0,5



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Modern technology	Micro CHP power generation	20%	80%	4	10	1
	Energy efficient lighting	20%	80%	4	5	0,5
	New technologies for energy efficiency	20%	80%	4	10	1
Renewable systems and their application in building retrofitting	Solar photovoltaic/thermal technologies	20%	80%	10	10	1
	Renewables for heating and cooling	20%	80%	5	5	0,5
	Wind energy for homes	20%	80%	5	5	0,5
	Heating pumps	20%	80%	5	5	0,5
	Planning and installing photovoltaic systems	20%	80%	10	10	1
	Small scale renewable energy applications	20%	80%	5	10	1



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Cost control of conservation projects	Uncertainty in refurbishment investment	20%	80%	5	5	0,5
	Cost and Financial Benefit of Green Buildings	20%	80%	5	10	1
	Cost Optimal and Nearly Zero Energy buildings	20%	80%	5	5	0,5
Introduction to construction project management	Construction project management	20%	80%	5	10	1
	Project planning and scheduling	20%	80%	5	10	1
	Project resource planning	20%	80%	5	5	0,5
	Estimating, budgeting and cost control	20%	80%	5	10	1
	Construction project execution	20%	80%	5	10	1
TOTAL					275	27,5