

ENERGY LITERACY UNDERGRADUATE ACADEMIC CERTIFICATE

All required coursework must be completed with a grade of C or better (O-10-a (<https://catalog.uidaho.edu/general-requirements-academic-procedures/o-miscellaneous/>)).

Code	Title	Hours
CORS 2330	Energy in the Modern World	3
or ENGR 2330	Energy in the Modern World	
ECON 2201	Principles of Macroeconomics	3
or ECON 2202	Principles of Microeconomics	
Select 6 credits of the following:		6
ARCH 4170	Designing Net-Zero Spaces	
BE 4110	Energy and Environmental Auditing	
CHE 4040	Special Topics	
CYB 1100	Cybersecurity and Privacy	
ECE 4870	Sustainable and Renewable Energy	
ENVS 4080	Energy and Environment	
ENVS 4840	History of Energy	
FIN 4650	Introduction to Market Trading	
GEOG 4880	Geography of Energy Systems	
GEOL 4620	Petroleum Systems and Energy Transitions	
ETEC 4340	Power Generation and Distribution	
NRS 3110	Public Involvement in Natural Resource Management	
ME 4350	Thermal Energy Systems Design	
or ME 4360	Sustainable Energy Sources and Systems	
Total Hours		12

Courses to total 12 credits for this certificate.

-Knowledge of the technical, economic, regulatory, and environmental constraints on modern energy systems.

-Ability to understand and use basic terms and calculations commonly employed in energy discussions.

-Ability to understand economic concepts and market forces that influence prices paid by energy consumers as well as costs borne by energy producers and suppliers.

-Ability to think critically about multi-constraint systems and collaborate with the intention of arriving at value-creating solutions.

-Understanding of the historic and environmental constraints as well as the human costs and benefits of energy intensive societies.