

Energy Management Technician-Online, AAS (2-year degree)

List of Core Classes

Course #	Name	Credit	Course #	Name	Credit
BT 123	MS Excel	4	NRG 123	Energy Control Strategies	4
CST 110	Blueprint Reading	4	NRG 124	Energy Efficiency Methods	4
NRG 101	Introduction to Energy Management	3	NRG 131	Lighting Fundamentals	3
NRG 103	Sustainability in the Built Environment	3	NRG 142	Energy Accounting	3
NRG 110	Energy Efficiency Industry Software Applications	4	NRG 154	Alternative Energy Technologies	3
NRG 111	Residential/Light Commercial Energy Analysis	3	WATR 202	Fostering Sustainable Practices	3
NRG 112	Commercial Energy Use Analysis	3	NRG 280	Co-op Ed: Energy Management	6
NRG 121	Air Conditioning System Analysis	3			
NRG 122	Commercial Air Conditioning System Analysis	3			
Directed Electives	See catalog listing for approved Directed Electives or see Program Coordinator	4-6	General Education Requirements	General Education Courses will include Writing, Math, PE/Health, Physics and Human Relations See below for suggested schedule. General Education Classes can be taken anytime during the program. ^{^^}	25-27

Total Credits Required for the Energy Management Technician Program AAS Degree 91

Term by Term Planner

Please use the Term by Term Planner with your academic advisor to help you meet your degree goals in a timely manner

FALL TERM 1st year	Credits	Fall Term 2nd Year	Credits
Course Name		Course Name	
BT 123 Microsoft Excel For Business	4	NRG 122 Commercial Air Conditioning System Analysis	3
MTH 095 Intermediate Algebra [^]	5	WATR 202 Fostering Sustainable Practices	3
NRG 101 Introduction to Energy Management	3	Human Relations ^{^^}	3
CST 110 Blueprint Reading I	3	Directed Elective ^{^^}	3
PH 101 Fundamentals of Physics*	4		
Total Credits	19	Total Credits	12
WINTER TERM 1st Year		WINTER TERM 2nd Year	
Course Name		Course Name	
NRG 103 Sustainability in The Built Environment	3	NRG 112 Commercial Energy Use Analysis	4
NRG 111 Residential/Light Commercial Energy Analysis	3	NRG 123 Energy Control Strategies	4
NRG 154 Alternative Energy Technologies	3	Directed Elective ^{^^}	3
PH 102 Fundamentals of Physics*	4	PE/Health Requirement ^{^^}	3
Wr 121 Introduction to Academic Writing ^{^^}	4		
Total Credits	17	Total Credits	14
SPRING TERM 1st Year		SPRING TERM 2nd year	
Course Name		Course Name	
NRG 121 Air Conditioning System Analysis	3	NRG 142 Energy Accounting (w/30% from NRG 141)	3
NRG 124 Energy Efficiency Methods	4	NRG 110 Energy Efficiency Industry Software Applications	4
NRG 131 Lighting Fundamentals	3	NRG 280 Co-op Ed: Energy Management	6
NRG 206 Co-op Ed: Internship Seminar (Online)	2		
Wr227 Technical Writing ^{^^}	4		
Total Credits	16	Total Credits	13

[^] May be taken any time within the first year

* Required Classes NOT AVAILABLE ONLINE

^{^^}May be taken any time during the program

Additional options in the Building Controls Technician Program

Water and Energy Programs

Funded by the National Science Foundation



Catalog Link for Directed Electives and other important information

https://catalog.lanecollege.edu/preview_program.php?catoid=6&pooid=463&returnto=207

Website:	https://www.nweei.org/	
Facebook:	https://www.facebook.com/pg/NWEEI.LCC/about/	
LinkedIn	https://www.linkedin.com/company/northwest-energy-education-institute	
Dean of Science:	Paul Ruscher	ruscherp@lanecollege.edu
Program Coordinator:	Roger Ebbage	ebbager@lanecollege.edu 541-463-6160
Academic Advisor	Deidre Lyons	Sci-Mathprograms@lanecollege.edu
Education Coordinator:	Gerry Mennaghan	meenaghg@lanecollege.edu
Project Specialist :	Brenda Cervantes	cervantesb@lanecollege.edu
Administrative Assistant	Beckie Holloway	hollowayb-nrg@lanecollege.edu