

Energy Management Technician: Building Controls Technician Option-Online, AAS (2-year degree)

List of Core Classes

Course #	Name	Credit	Course #	Name	Credit
BT 123	MS Excel	4	NRG 131	Lighting Fundamentals	3
CST 110	Blueprint Reading	3	NRG 142	Energy Accounting	3
NRG 101	Introduction to Energy Management	3	NRG 181	Direct Digital Controls 1	4
NRG 111	Residential/Light Commercial Energy Analysis	3	NRG 182	Commercial HVAC Controls	4
NRG 112	Commercial Energy Use Analysis	3	NRG 183	Controls Retuning and Troubleshooting	4
NRG 121	Air Conditioning System Analysis	3	NRG 184	Direct Digital Controls 2	4
NRG 122	Commercial Air Conditioning System Analysis	3	NRG 185	Lighting Controls	4
NRG 123	Energy Control Strategies	4	CS161P	Introduction to basic syntax and semantics of Python. Online	4
NRG 124	Energy Efficiency Methods	4	CS 179	Introduction to Computer Networks	4
NRG 110	Energy Efficiency Industry Software Applications	4	CS 133P	can be substituted for CS 161P	4
Some Gen classes are not online and it may be necessary to take them at your local Community College.			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
Total Credits Required for Program AAS Degree					93



Term by Term Planner

Please use the Term by Term Planner with your

FALL TERM 1st year	Credits
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Course Name	Credits
BT 123 Microsoft Excel For Business	4
Math 95 Intermediate Algebra or higher ^	5
NRG 101 Introduction to Energy Management	3
CST 110 Blueprint Reading 1	3
PH 101 Fundamentals of Physics*	4
Total Credits	19

WINTER TERM 1st Year

Course Name	Credits
CS 161P Computer Science 1	4
NRG 111 Residential/Light Commercial Energy Analysis	3
PH 102 Fundamentals of Physics*	4
Human Relations Requirement	3
Total Credits	14

SPRING TERM 1st Year

Course Name	Credits
NRG 121 Air Conditioning System Analysis	3
NRG 124 Energy Efficiency Methods	4
NRG 131 Lighting Fundamentals	3
CS 179 Introduction to Computer Networks	4
Total Credits	14

Summer Term 1st Year

Wr121 or WR 121_H Academic Composition^^	4
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Fall Term 2nd Year	Credits
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Course Name	Credits
NRG 185 Lighting Controls	4
NRG 122 Commercial Air Conditioning System Analysis	3
NRG 123 Energy Control Strategies	4
WR 227 Technical Writing^^	4
Total Credits	15

WINTER TERM 2nd Year

Course Name	Credits
NRG 112 Commercial Energy Use Analysis	4
NRG 182 HVAC Controls	4
NRG 181 Direct Digital Controls 1	4
PE/Health Requirement ^^	3
Total Credits	15

SPRING TERM 2nd year

Course Name	Credits
NRG 184 Direct Digital Controls 2	4
NRG 183 Controls Retuning and Troubleshooting	4
NRG 142 Energy Accounting	3
NRG 110 Energy Efficiency Industry Software Applications	4
Total Credits	15

^^May be taken any time within the first year

^^May be taken any time during the program

4 *Required Classes NOT AVAILABLE ONLINE Please check with your advisor for additional options.

Catalog Link for Directed Electives and other important information https://catalog.lanecc.edu/preview_program.php?catoid=6&poid=462&returnto=207

Website: <https://www.nweei.org/>
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