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 103	Sustainability in the Built Environment	3	NRG 182	Commercial HVAC Controls	4
NRG 111	Residential/Light Commercial Energy Analysis	3	NRG 183	Controls Retuning and Troubleshooting	4
NRG 112	Commercial Energy Use Analysis	3	NRG 184	Direct Digital Controls 2	4
NRG 121	Air Conditioning System Analysis	3	NRG 185	Lighting Controls	4
NRG 122	Commercial Air Conditioning System Analysis	3	CS161P	Introduction to basic syntax and semantics of Python. Online	4
NRG 123	Energy Control Strategies	4	CS 179	Introduction to Computer Networks	4
NRG 124	Energy Efficiency Methods	4			
NRG 110	Energy Efficiency Industry Software Applications	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					96

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 185 Lighting Controls	4
Math 95 Intermediate Algebra or higher ^	5		NRG 122 Commercial Air Conditioning System Analysis	3
NRG 101 Introduction to Energy Management	3		NRG 123 Energy Control Strategies	4
CST 110 Blueprint Reading 1	3		WR 227 Technical Writing^^	4
PH 101 Fundamentals of Physics*	4			
Total Credits	**19**		**Total Credits**	**15**

WINTER TERM 1st Year			WINTER TERM 2nd Year	
Course Name			**Course Name**	
CS 161P Computer Science 1	4		NRG 112 Commercial Energy Use Analysis	4
NRG 111 Residential/Light Commercial Energy Analysis	3		NRG 182 HVAC Controls	4
PH 102 Fundamentals of Physics*	4		NRG 181 Direct Digital Controls 1	4
Human Relations Requirement	3		PE/Health Requirement ^^	3
Total Credits	**14**		**Total Credits**	**15**

SPRING TERM 1st Year			SPRING TERM 2nd year	
Course Name			**Course Name**	
NRG 121 Air Conditioning System Analysis	3		NRG 184 Direct Digital Controls 2	4
NRG 124 Energy Efficiency Methods	4		NRG 183 Controls Retuning and Troubleshooting	4
NRG 131 Lighting Fundamentals	3		NRG 142 Energy Accounting	3
CS 179 Introduction to Computer Networks	4		NRG 110 Energy Efficiency Industry Software Applications	4
Total Credits	**14**		**Total Credits**	**15**

Summer Term 1st Year	
Wr121 or WR 121_H Academic Composition^^	4

^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.*