



Student Learning Outcome Assessment

Air Conditioning, Heating and Refrigeration Tech
Spring 2018

Q3 - What did you like about this program?

I really like all of the hands on learning and all of the instructors were very good with what they did.

Good instructors, new lab equipment, hands on learning

I learned a lot! I have been in the HVAC industry for almost 10 years when I returned to complete my Associates Degree. I learned how to design hvac systems using autocad which I have never used before. I'm 46 years old and Mark Running explains very well how to use the program and he is always there to assist you so long as you ask for the help. Mark is truly there to help every student succeed.

Q4 - What would you change about this program?

I would make the second year program more hands on.

Second year has too many projects, really overwhelming. Would rather have exams.

I would love to see a course as how to access different HVAC BAS systems such as Johnson Controls Metasys, Schneider Electric Andover/Continum, also how to write programming for BACnet.

Q6 - As a result of this program: I have learned effective communication skills.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	33.33%	1
4	Agree	0.00%	0
5	Strongly Agree	66.67%	2
	Total	100%	3

Q7 - Provide any comments you have on effective communication skills you learned.

Q8 - As a result of this program: I am able to apply mathematical concepts.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	66.67%	2
5	Strongly Agree	33.33%	1
	Total	100%	3

Q9 - Provide any comments you have on mathematical concepts you learned.

A lot of HVAC equations for calculating loads.

Q10 - As a result of this program: I learned how to transfer social and natural science theories into practical applications.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
5	Strongly Agree	66.67%	2
3	Neither Agree nor Disagree	0.00%	0
2	Disagree	33.33%	1
4	Agree	0.00%	0
	Total	100%	3

Q11 - Provide any comments you have on transferring social and natural science theories into practical applications.

Q12 - As a result of this program: I learned critical thinking skills.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q13 - Provide any comments you have on critical thinking skills you learned.

Q14 - As a result of this program: I have learned to use technology effectively.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q15 - Provide any comments you have on what you learned about using technology effectively.

All of the equipment was up to date with the latest technology

Q16 - As a result of this program: I have learned to value myself and work ethically with others in a diverse populations.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q17 - Provide any comments you have on what you learned about valuing yourself and working ethically with others in a diverse population.

Q18 - As a result of this program: I am able to make decisions that incorporate the importance of sustainability.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q19 - Provide any comments you have on what you learned about incorporating the importance of sustainability in decisions you make.

Q21 - As a result of this program, I learned to: install HVACR systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
5	Strongly Agree	66.67%	2
3	Neither Agree nor Disagree	33.33%	1
2	Disagree	0.00%	0
4	Agree	0.00%	0
	Total	100%	3

Q22 - Provide any comments you have about learning this program outcome.

I knew how to install after I went through the service tech program in 2008

Q23 - As a result of this program, I learned to: service HVACR systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q24 - Provide any comments you have about learning this program outcome.

Q25 - As a result of this program, I learned to: repair HVACR equipment.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q26 - Provide any comments you have about learning this program outcome.

Q27 - As a result of this program, I learned to: troubleshoot HVACR systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	0.00%	0
5	Strongly Agree	100.00%	3
	Total	100%	3

Q28 - Provide any comments you have about learning this program outcome.

Q29 - As a result of this program, I learned to: analyze HVACR systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	0.00%	0
5	Strongly Agree	100.00%	3
	Total	100%	3

Q30 - Provide any comments you have about learning this program outcome.

Q31 - As a result of this program, I learned to: evaluate building systems and plans.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	1
5	Strongly Agree	66.67%	2
	Total	100%	3

Q32 - Provide any comments you have about learning this program outcome.

Q33 - As a result of this program, I learned to: design HVACR systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	33.33%	1
4	Agree	0.00%	0
5	Strongly Agree	66.67%	2
	Total	100%	3

Q34 - Provide any comments you have about learning this program outcome.