



HVAC Technology Associate of Applied Science

Program Summary Certifications Associate of Applied Science

Partnered with the industry leader TRANE, the HVAC program works in collaboration with the National Coalition of Certification Centers (NC3), to support and advance teaching with the most up-to-date technology available. Students receive hands-on training with experts in the field gaining the knowledge and skills to enter the field.

HVAC Technology Associate of Applied Science		60 Hours	TSI Required
Basic HVAC Skills Certificate (17 hours)			
	Certificate of Completion		TSI Waived
HART 1301	Basic Electricity for HVAC		3
HART 1403	Air Conditioning Controls Principles		4
HART 1407	Refrigeration Principles		4
HART 1441	Residential Air Conditioning		4
POFT 1220	Job Search Skills		2

HVAC Technician Level II Certificate (18 Hours)			
	Certificate of Completion		TSI Waived
BCIS 1305	Business Computer Applications		3
HART 1445	Gas & Electric Heating		4
HART 2334	Advanced Air Conditioning Controls		3
HART 2438	Air Conditioning Installation and Startup		4
HART 2445	Residential Air Conditioning Systems Design		4

HVAC Technician Level III (13 Hours)			
	Certificate of Technology		TSI Required
HART 2331	Advanced Electricity for HVAC		3
HART 2458	Testing, Adjusting and Balancing HVAC Systems		4
MATH	College Level Mathematics*		3
ELECTIVE	Social and Behavioral Sciences¶		3

HVAC Technology Associate of Applied Science (12 Hours)			
	Associate of Applied Science		TSI Required
ENGL 1301	Composition I		3
HART 2336	Air Conditioning Troubleshooting		3
HART 2368	Practicum HVAC		3
ELECTIVE	Language, Philosophy and Culture or Creative Arts Core¶		3

*See Core Curriculum for course options

¶ See Course Description for elective options



Business & Industry



HVAC Technology

Certifications (Sequenced)

Program Summary

Certifications

Associate of Applied Science

Basic HVAC Plans

Year 1: Semester 1

Course	Semester Credit Hours
HART 1301 Basic Electricity for HVAC	3
HART 1403 Air Conditioning Controls Principles	4
HART 1407 Refrigeration Principles	4
HART 1441 Residential Air Conditioning	4
POFT 1220 Job Search Skills	2
Total	17

HVAC Technician Level II

Year 1: Semester 1

Course	Semester Credit Hours
HART 1301 Basic Electricity for HVAC	3
HART 1403 Air Conditioning Controls Principles	4
HART 1407 Refrigeration Principles	4
HART 1441 Residential Air Conditioning	4
POFT 1220 Job Search Skills	2
Total	17

Year 1: Semester 2

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
HART 1445 Gas and Electric Heating	4
HART 2334 Advanced Air Conditioning Controls	3
HART 2438 Air Conditioning Installation and Startup	4
HART 2445 Residential Air Conditioning Systems Design	4
Total	18



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HVAC Technician Level III

Year 1: Semester 1

Course	Semester Credit Hours
HART 1301 Basic Electricity for HVAC	3
HART 1403 Air Conditioning Controls Principles	4
HART 1407 Refrigeration Principles	4
HART 1441 Residential Air Conditioning	4
POFT 1220 Job Search Skills	2
Total	17

Year 1: Semester 2

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
HART 1445 Gas and Electric Heating	4
HART 2334 Advanced Air Conditioning Controls	3
HART 2438 Air Conditioning Installation and Startup	4
HART 2445 Residential Air Conditioning Systems Design	4
Total	18

Year 2: Semester 1

Course	Semester Credit Hours
HART 2331 Advanced Electricity for HVAC	3
HART 2458 Testing, Adjusting and Balancing HVAC Systems	4
MATH College Level Mathematics*	3
ELECTIVE Social and Behavioral Science¶	3
Total	13

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¶ See Course Description for elective options



Business & Industry



HVAC Technology

Associate of Applied Science

Program Summary

Certifications

Associate of Applied Science

Year 1: Semester 1

Course	Semester Credit Hours
HART 1301 Basic Electricity for HVAC	3
HART 1403 Air Conditioning Controls Principles	4
HART 1407 Refrigeration Principles	4
HART 1441 Residential Air Conditioning	4
POFT 1220 Job Search Skills	2
Total	17

Year 1: Semester 2

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
HART 1445 Gas and Electric Heating	4
HART 2334 Advanced Air Conditioning Controls	3
HART 2438 Air Conditioning Installation and Startup	4
HART 2445 Residential Air Conditioning Systems Design	4
Total	18

Year 2: Semester 1

Course	Semester Credit Hours
HART 2331 Advanced Electricity for HVAC	3
HART 2458 Testing, Adjusting and Balancing HVAC Systems	4
MATH College Level Mathematics*	3
ELECTIVE Social and Behavioral Science¶	3
Total	13

Year 2: Semester 2

Course	Semester Credit Hours
HART 2336 Air Conditioning Troubleshooting	3
HART 2368 Practicum HVAC	3
ENGL 1301 Composition I	3
ELECTIVE Language, Philosophy & Culture or Creative Arts Core¶	3
Total	12

*See Core Curriculum for course options

¶ See Course Description for elective options