

St Cloud Technical and Community College Hart Schedule

There will be a tool day during the first week of school,
– appr - \$1,000-\$1,200.

Course ID	Course Name	Section	Cr	Semester	
000057	Copper & Gas Piping	HART1502.01	1	1 st half	
000063	Sheetmetal	HART1510.01	1	1 st half	
000058	Forced Air Heating	HART1514.01	5	1 st half	
000059	Electrical Controls	HART1518.01	4	1 st half	
000065	Internship - Residential	HART1540.01	2	2 nd half	
	Human Relations for a Diverse Workplace / Stretch Anal Writing I / Elective	DVRS ENGL	3		Or AAS courses

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
7 a.m.					
8 a.m.	/1540	1514/1540	/1540	1514/1540	/1540
9 a.m.	1514/1540	1514/1540	1514/1540	1514/1540	1502/1540
10 a.m.	1518/1540	1518/1540	1518/1540	1518/1540	1502/1540
11 a.m.	1518/1540	1518/1540	1518/1540	1510/1540	1502-10/1540
12 p.m.	1514/1540	1514/1540	1514/1540	1510/1540	/1540
1 p.m.	1514/1540	1514/1540	1518/1540	1510/1540	/1540
2 p.m.	/1540	/1540	/1540	/1540	/1540
3 p.m.	/1540	/1540	/1540	/1540	/1540

Semester: Fall, 2023

Instructor's Name: Mark Nichelson

Heating AC Refrigeration Residential Diploma

35 Credits

Suggested Technical Studies Semester I		
HART1502	Copper and Gas Piping	1 Credits
HART1510	Sheetmetal	1 Credits
HART1514	Forced Air Heating	5 Credits
HART1518	Electrical Controls for Heating and A/C	4 Credits
HART1540	Internship - Residential	2 Credits
Suggested Technical Studies Semester II		
HART1506	Schematics & Blue Print Reading	3 Credits
HART1522	Installation of Heating and A/C	3 Credits
HART1526	Principles of Air Conditioning	4 Credits
HART1530	Heat Pumps	2 Credits
HART1534	Troubleshooting Heating & A/C	3 Credits
HART1538	HART Job Preparation	1 Credits
General Education		
ENGL1308	Stretch Analytical Writing I	3 Credits
DVRS1310	Human Relations for a Diverse Workplace	3 Credits

Estimated cost for books and supplies: \$2,185

Heating AC Refrigeration Commercial AAS
72 Credits

Suggested Technical Studies Semester I		
<u>HART1502</u>	Copper and Gas Piping	1 Credits
<u>HART1510</u>	Sheetmetal	1 Credits
<u>HART1514</u>	Forced Air Heating	5 Credits
<u>HART1518</u>	Electrical Controls for Heating and A/C	4 Credits
<u>HART1540</u>	Internship - Residential	2 Credits
Suggested Technical Studies Semester II		
<u>HART1506</u>	Schematics & Blue Print Reading	3 Credits
<u>HART1522</u>	Installation of Heating and A/C	3 Credits
<u>HART1526</u>	Principles of Air Conditioning	4 Credits
<u>HART1530</u>	Heat Pumps	2 Credits
<u>HART1534</u>	Troubleshooting Heating & A/C	3 Credits
<u>HART1538</u>	HART Job Preparation	1 Credits
Suggested Technical Studies Semester III		
<u>HART2506</u>	Commercial Refrigeration I	4 Credits
<u>HART2510</u>	Commercial Electrical and Controls	3 Credits
<u>HART2526</u>	Commercial Heating and HVAC Systems	3 Credits
<u>HART2530</u>	Commercial Load Calculating	2 Credits
<u>HART2540</u>	Internship - Commercial	2 Credits
Suggested Technical Studies Semester IV		
<u>HART2502</u>	Commercial Refrigeration II	4 Credits
<u>HART2514</u>	Compressor Operation & Troubleshooting	3 Credits
<u>HART2518</u>	Commercial Troubleshooting	2 Credits
<u>HART2522</u>	Commercial Air Conditioning	3 Credits
<u>HART2534</u>	Commercial HVAC Controls	2 Credits
General Education		
	MNTC Goal Area 1 Communications- Oral	3 Credits
	MNTC Goal Area 1 Communications- Written	3 Credits
	MNTC Goal Area 4 Mathematical/Logical Reasoning	3 Credits
	MNTransfer General Education Electives	6 Credits

Estimated cost for books and supplies: \$2,605

Heating AC Refrigeration Commercial Diploma
66 Credits

Suggested Technical Studies Semester I		
<u>HART1502</u>	Copper and Gas Piping	1 Credits
<u>HART1510</u>	Sheetmetal	1 Credits
<u>HART1514</u>	Forced Air Heating	5 Credits
<u>HART1518</u>	Electrical Controls for Heating and A/C	4 Credits
<u>HART1540</u>	Internship - Residential	2 Credits
Suggested Technical Studies Semester II		
<u>HART1506</u>	Schematics & Blue Print Reading	3 Credits
<u>HART1522</u>	Installation of Heating and A/C	3 Credits
<u>HART1526</u>	Principles of Air Conditioning	4 Credits
<u>HART1530</u>	Heat Pumps	2 Credits
<u>HART1534</u>	Troubleshooting Heating & A/C	3 Credits
<u>HART1538</u>	HART Job Preparation	1 Credits
Suggested Technical Studies Semester III		
<u>HART2506</u>	Commercial Refrigeration I	4 Credits
<u>HART2510</u>	Commercial Electrical and Controls	3 Credits
<u>HART2526</u>	Commercial Heating and HVAC Systems	3 Credits
<u>HART2530</u>	Commercial Load Calculating	2 Credits
<u>HART2540</u>	Internship - Commercial	2 Credits
Suggested Technical Studies Semester IV		
<u>HART2502</u>	Commercial Refrigeration II	4 Credits
<u>HART2514</u>	Compressor Operation & Troubleshooting	3 Credits
<u>HART2518</u>	Commercial Troubleshooting	2 Credits
<u>HART2522</u>	Commercial Air Conditioning	3 Credits
<u>HART2534</u>	Commercial HVAC Controls	2 Credits
General Education/Studies		
<u>ENGL1308</u>	Stretch Analytical Writing I	3 Credits
<u>DVRS1310</u>	Human Relations for a Diverse Workplace	3 Credits
	General Studies - Electives	3 Credits

Estimated cost for books and supplies: \$2,405