



32-601-1 HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R)
31-601-2 HVAC INSTALLATION TECHNICIAN
30-601-1 REFRIGERATION ESSENTIALS
2019-20 PROGRAM CURRICULUM CHECKLIST
WISCONSIN INDIANHEAD TECHNICAL COLLEGE (WITC)
SPRING 2020 START
SUPERIOR



Name/ID _____

Date _____

CATALOG NUMBER	COURSE TITLE	HOURS PER WEEK		CREDITS		REFRIGERATION ESSENTIALS TECHNICAL DIPLOMA	HVAC INSTALLATION TECHNICIAN TECHNICAL DIPLOMA <i>(Financial Aid Eligible)</i>	HEATING, VENTILATION, AND AIR CONDITIONING/REFRIGERATION (HVAC/R) TECHNICAL DIPLOMA <i>(Financial Aid Eligible)</i>
FIRST TERM								
32-601-306	HVAC/R Print Reading Prerequisite: Admission to HVAC/R Plan or HVAC Installation Technician Plan	4	hours per week	2	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-801-361	Applied Communications	3	hours per week	2	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-890-305	Applied Information Resources	3	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
	FIRST TERM TOTAL						4 Credits HVAC Installation Technician	6 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
SECOND TERM								
32-601-300	Air Conditioning Fundamentals Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan	4	hours per week	2	credits	Refrigeration Essentials	HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-301	Basic Mechanical Fundamentals Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan	6	hours per week	3	credits	Refrigeration Essentials	HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-317	Refrigeration Fundamentals Prerequisite: Admission to HVAC/R Plan, Refrigeration Essentials Plan, or HVAC Installation Technician Plan	7	hours per week	3	credits	Refrigeration Essentials	HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-303	Principles of AC/DC Corequisite: 32-804-325 Applied Technical Math 1	6	hours per week	3	credits	Refrigeration Essentials	HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-804-325	Applied Technical Math 1	5	hours per week	3	credits	Refrigeration Essentials	HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
	SECOND TERM TOTAL					14 Credits Refrigeration Essentials	14 Credits HVAC Installation Technician	14 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 1/15/2019



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THIRD TERM								
32-601-304	Heating Systems Prerequisite: Admission to HVAC/R Plan or HVAC Installation Technician Plan	4	hours per week	2	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-305	Electrical Controls & Systems	6	hours per week	3	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-310	Sheet Metal Fabrication Prerequisite: 32-601-301 Basic Mechanical Fundamentals	4	hours per week	2	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-804-334	Applied Technical Math 2 Prerequisite: 32-804-325 Applied Technical Math 1	4	hours per week	2	credits		HVAC Installation Technician	Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
	THIRD TERM TOTAL						9 Credits HVAC Installation Technician	9 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
FOURTH TERM								
32-601-316	Building Automation Systems Prerequisite: 32-601-305 Electrical Controls and Systems	4	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-307	Heating System Applications Prerequisites: 32-601-301 Basic Mechanical Fundamentals and 32-601-304 Heating Systems	6	hours per week	3	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-309	Control Circuit Applications Prerequisite: 32-601-305 Electrical Controls and Systems	6	hours per week	3	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-801-362	Advanced Communication Skills Prerequisite: 32-801-361 Applied Communications	3	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-809-380	Applied Interpersonal Skills	3	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
	FOURTH TERM TOTAL							12 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)



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FIFTH TERM								
32-601-308	Electronic Energy Management Prerequisite: 32-601-309 Control Circuit Applications	6	hours per week	3	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-311	Hydronic Heating Prerequisites: 32-601-301 Basic Mechanical Fundamentals and 32-601-304 Heating Systems	6	hours per week	3	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-312	Refrigeration Applications Prerequisites: 32-601-300 Air Conditioning Fundamentals, 32-601-301 Basic Mechanical Fundamentals and, 32-601-317 Refrigeration Fundamentals	6	hours per week	3	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
32-601-314	Heat Load Estimation Prerequisite: Admission to HVAC/R Plan	2	hours per week	1	credit			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
1st 8 weeks								
32-601-315	Geothermal Systems Prerequisites: 32-601-301 Basic Mechanical Fundamentals, 32-601-317 Refrigeration Fundamentals, 32-601-305 Electrical Controls and Systems	8	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
2nd 8 weeks								
32-601-313	HVAC/R Electronic Troubleshooting/Repair (WBL) Prerequisite: 32-601-309 Control Circuit Applications	8	hours per week	2	credits			Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
FIFTH TERM TOTAL								14 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)
PROGRAM REQUIREMENTS						14 Credits Refrigeration Essentials	27 Credits HVAC Installation Technician	55 Credits Heating, Ventilation, and Air Conditioning/Refrigeration (HVAC/R)

All prerequisite/corequisite courses must be completed with a grade point of 2.0 or better.

Revised 1/15/2019



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Please be advised that low enrollment class sections may be cancelled. You will be contacted by Student Services with information on other class sections available in alternate formats.

GRADUATION REQUIREMENTS: Although your academic advisor can provide guidance, you are ultimately responsible for selecting courses that meet a program's graduation requirements. If you do not take courses in the recommended sequence above, it may delay your completion of graduation requirements. A program plan GPA of 2.0 in a 4.0 grade system is required to graduate.

EARN CREDIT FOR WHAT YOU ALREADY KNOW: Visit <http://www.witc.edu/academics/transfer/priorlearn.htm> for more information

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