



Northwest Technical Institute
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Ammonia Refrigeration Maintenance Technology Curriculum

The following courses must be completed satisfactorily to receive a diploma in Ammonia Refrigeration Maintenance Technology:

Course Number	Course Name	Clock Hours	Credit Hours	FA hours
WLD1503	Welding	48	3	1.28
ARS1101	NH ₃ Application	48	1	1.28
ARS1105	Ammonia Refrigeration System	96	5	2.56
ARS1803	Boiler Operator Theory	48	3	1.28
COM1203	Technical Communications II	48	3	1.28
COM1303	Technical Writing	48	3	1.28
IMT1003	Maintenance Fundamentals	48	3	1.28
IMT1104	DC & AC Fundamentals/Lab	96	4	2.56
IMT3214	Programmable Controllers/Lab	96	4	2.56
IMT1103	Blueprint & Schematic Reading	48	3	1.28
IMT1403	Industrial Electricity	48	3	1.28
IMT1503	Industrial Wiring Methods	48	3	1.28
IMT1603	Motors & Motor Controls	48	3	1.28
IMT1705	Fluid Power & Mechanics/ Lab	96	5	2.56
MTH1103	Technical Mathematics I	48	3	1.28
MTH1203	Technical Mathematics II	48	3	1.28
	Total Hours	960	52	26

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Springdale, AR 72764
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Suggested Schedule

Semester I

IMT1003 Maintenance Fundamentals
MTH1103 Technical Mathematics I
IMT1104 DC & AC Fundamentals/Lab
IMT1103 Schematics Reading
ARS1105 Ammonia Refrigeration Systems
COM1303 Technical Writing
IMT1503 Industrial Wiring Methods
IMT1403 Industrial Electricity

Semester II

IMT1603 Motors & Motor Controls
ARS1101 NH₃ Application
IMT1705 Fluid Power & Mechanics/Lab
ARS1803 Boiler Operator Theory
IMT3214 Programmable Controllers/Lab
COM1203 Technical Communications II
MTH1203 Technical Mathematics II

Summer

WLD1503 Welding

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