



Metal Fabrication Course Sequence Chart



	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
FUNDAMENTALS	MTF101 45 Foundations of Metal Fabrication	MTF141 45 Fabrication of Light Gauge Projects I	MTF151 30 Introduction of Metallurgy	MTF131 45 Shielded Metal Arc Welding
	MTF111 30 Tools & Equipment I	MTF122 45 Pattern Development I	MTF133 45 Introduction to Oxyacetylene Cutting	MTF161 30 Introduction to Fasteners
	MTF121 45 Measurement & Layout	MTF112 30 Tools & Equipment II	MTF171 45 Introduction to Blueprint Reading	MTF142 45 Fabrication of Light Gauge Projects II
	PFS109 7.5 Leadership Principles	PFS110 7.5 Leadership Principles		
	TOTAL: 127.5	TOTAL: 127.5	TOTAL: 120	TOTAL: 120
ADVANCED II	MTF211 30 Power Tool and Machine	MTF221 45 Pattern Development II	MTF243 45 Structural Fabrication	MTF242 45 Sheet Fabrication II
	MTF231 45 Gas Metal Arc Welding I	MTF232 45 Gas Metal Arc Welding II	MTF244 30 Bend Allowances	MTF222 45 Fabrication Design
	MTF241 45 Sheet Fabrication I	MTF271 30 Blueprint Reading Advanced	MTF281 45 Job Shadowing	MTF233 30 Plasma Arc Cutting, Carbon Arc Cutting
			PFS309* 7.5 Total Quality Principles	PFS310* 7.5 Total Quality Principles
	TOTAL: 120	TOTAL: 120	TOTAL: 127.5	TOTAL: 127.5
ADVANCED III	MTF321 30 Principles of Design for Specific Operations	MTF371 45 Blueprint Reading III	MTF332 45 Gas Tungsten Arc Welding II	MTF342 45 Senior Project Fabrication
	MTF331 45 Gas Tungsten Arc Welding I	MTF323 45 Fabrication Project Development	MTF333 30 Flux Core Arc Welding I	MTF334 30 Flux Core Arc Welding II
	MTF322 45 Pattern Development III	MTF381 30 Employment Skills	MTF351 45 Metal Characteristics & Properties	MTF341 45 Advanced Fabrication
			PFS209* 7.5 Business Principles	PFS211* 7.5 Business Principles
	TOTAL: 120	TOTAL: 120	TOTAL: 127.5	TOTAL: 127.5

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*Business Principles and Total Quality Principles may be provided in Level II or Level III.