

YEAR I	<p><u>1st Quarter</u></p> <ul style="list-style-type: none"> • Orientation/ Safety • Foundations of Metal Fabrication • Tools & Equipment I • Measurement & Layout • Introduction to Arc Welding 	<p><u>2nd Quarter</u></p> <ul style="list-style-type: none"> • Fabrication of Heavy Steel • Projects I- Jack Stands • Pattern Development I • Tools & Equipment II 	<p><u>3rd Quarter</u></p> <ul style="list-style-type: none"> • Introduction of Metallurgy • Introduction to Oxyacetylene Cutting • Introduction to Blueprint Reading • Guide Bend Standards 	<p><u>4th Quarter</u></p> <ul style="list-style-type: none"> • Shielded Metal Arc Welding (SMAW) • Introduction to Pipe Welding • Projects II-AWS Guide Bend Tests • Oxyfuel Welding
YEAR II	<p><u>1st Quarter</u></p> <ul style="list-style-type: none"> • Power Tool and Machine Safety • Gas Metal Arc Welding (MIG) • Sheet Fabrication I • Heavy Steel Fabrication 	<p><u>2nd Quarter</u></p> <ul style="list-style-type: none"> • Pattern Development II • CNC Programming • Gas Metal Arc Welding II (GMAW) • Blueprint Reading II • Flux Core Welding I 	<p><u>3rd Quarter</u></p> <ul style="list-style-type: none"> • Structural Fabrication • Bend Allowances • Job Shadowing • Cross-Training Projects 	<p><u>4th Quarter</u></p> <ul style="list-style-type: none"> • Fabrication Design • Plasma Arc Cutting • Sheet Fabrication II • Gas Tungsten Arc Welding I
YEAR III	<p><u>1st Quarter</u></p> <ul style="list-style-type: none"> • Arc Advanced Pipe • Gas Tungsten Arc Welding II • Senior Portfolios I • Senior Projects I • Senior Mentoring 	<p><u>2nd Quarter</u></p> <ul style="list-style-type: none"> • Blueprint Reading III • Employment Skills • Air Carbon Arc Cutting • Micro Welding 	<p><u>3rd Quarter</u></p> <ul style="list-style-type: none"> • AWS Preparation Test • AWS Tests • Senior Projects II 	<p><u>4th Quarter</u></p> <ul style="list-style-type: none"> • Advanced MIG Welding • Senior Projects III • Senior Portfolios II