



WELDING

Three Rivers' Welding program gives you
the skills needed to succeed for welding jobs in:

SHIPBUILDING • RAILCAR PRODUCTION • FABRICATION
CONSTRUCTION • MANUFACTURING

Three Rivers is a great place to start career training. We offer affordable costs,
financial aid, A+ Incentive, convenient classes, and hands-on training.



877-879-8722

TRCC.EDU

WELDING PROGRAM

The craft of welding has advanced with new developments in precision welding technology and materials. Three Rivers' Welding program offers training to prepare you for a career in this expanding field.

Those trained in welding have the ability to take their skills and cross over into a variety of fields. In Southeast Missouri, welders are in demand in barge and railcar production, construction, fabrication, and advanced manufacturing. According to Missouri Department of Economic Development projections, demand is expanding for those with advanced training in welding. This career will offer above average job prospects and salaries.

Three Rivers' Welding Certificate Program provides students with a broad overview of welding skills and techniques, as well as the specific skills necessary to be successful in an advanced manufacturing

environment. Through a combination of classroom and hands-on training, students learn the cutting edge welding applications, as well as the necessary safety, blueprint reading, and practical application skills needed for employment in the industrial workforce.

Program outcomes include the skills necessary for entry level employment with large, medium, and small employers as precision welders, flame and plasma cutters, fabricators, fitters and welding machine operators.

For more information about the program, call 573-840-9682 x2114. For enrollment information, call 573-840-9600 or toll-free 877-879-8722.

DEGREE PLAN

Following is a suggested degree plan for earning a one-year certificate in manufacturing welding.

FIRST YEAR

Fall Semester			Hours	
ENGL	111	College Writing	3	
ENGR	106	Technical Math I	3	
WELD	156	Introduction to SMAW (Shielded Metal Arc Welding)	4	
WELD	158	Introduction to GMAW (Gas Metal Arc Welding)	4	
WELD	167	Thermal Cutting	2	
TOTAL HOURS			16	

Spring Semester			Hours	
PHYS	100	Survey of Physics	3	
WELD	157	Introduction to GTAW (Gas Tungsten Arc Welding)	4	
WELD	159	Introduction to FCAW (Flex Core Arc Welding)	4	
WELD	165	Welding Blueprint Reading	3	
WELD	169	Pipe Fitting	3	
TOTAL HOURS			18	

SECOND YEAR

Fall Semester			Hours	
GOVT	121	National and State Government	3	
WELD	256	Advanced SMAW (Shielded Metal Arc Welding)	4	
WELD	258	Advance GMAW (Gas Metal Arc Welding)	4	
WELD	265	Welding Fabrication	4	
TOTAL HOURS			15	

Spring Semester			Hours	
MATH	161	Mathematical Reasoning and Modeling –or–	3	
MATH	163	College Algebra for Calculus (or higher)		
SCOM	110	Public Speaking	3	
WELD	257	Advanced GTAW (Gas Tungsten Arc Welding)	4	
WELD	259	Advanced FCAW (Flex Core Arc Welding)	4	
TOTAL HOURS			14	

Please see individual course descriptions for prerequisites, corequisites, and/or other requirements.

CALL 573-840-9682 x2114 FOR MORE INFORMATION.

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