

Dear Welding student,

This handout has been designed to clarify the path to success. Students wanting to earn this Certificate of Achievement may start in either the Fall or Spring semester and classes are offered both AM and PM. Students will enter the path in the first semester by taking Welding Shop Math (Weld 49) and Beginning Arc Welding (Weld 120). Weld 49 provides students with the technical math skills required to be successful in the industry. Weld 120 is the first step for students wanting to become certified structural steel welders.

In the second semester, students will stay the path by taking Blueprint Reading for Welders (Weld 59) and Intermediate Arc Welding (Weld 200). Weld 59 teaches students how to read blueprints used in the industry. Weld 200 provides students with the skills required to obtain certification in the SMAW and FCAW welding processes and is the second of three steps required to become a certified structural steel welder. In the third semester, students will complete the path by taking Advanced Arc Welding (Weld 210L). Weld 210L is a laboratory only class and is the third and last step required for students to obtain multiple structural steel welding certifications.



NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 49 (4 units)	Welding Shop Math [1]	Fall and Spring
WELD 120 (5 units)	Beginning Arc Welding [1]	Fall, Spring and Summer
9 Units	2 Classes	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
WELD 59 (4 units)	Blueprint Reading for the Welding Trades [1]	Fall and Spring
WELD 200 (4 units)	Intermediate Arc Welding [1]	Fall and Spring
8 Units	2 Classes	

CONTINUING STUDENTS THIRD SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 210L (2 units)	Advanced Arc Welding Laboratory [1]	Fall and Spring
2 Units	1 Class	

Notes

[1] = Classes are available day and evening



Welding Technology

For more information on Certificates, please refer to the current General Catalog:
www.cerritos.edu/catalog

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In the second semester, students will complete the path by taking Blueprint Reading for Welders (Weld 59) and Beginning Arc Welding (Weld 120). Weld 59 teaches students how to read blueprints used in the industry. Weld 120 is the first step for students wanting to become certified structural steel welders..



NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 49 (4 units)	Welding Shop Math [1]	Fall and Spring
WELD 130 (5 units)	Gas Tungsten Arc Welding Fundamentals [1]	Fall, Spring and Summer
9 Units	2 Classes	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
WELD 59 (4 units)	Blueprint Reading for the Welding Trades [1]	Fall and Spring
WELD 120 (5 units)	Beginning Arc Welding [1]	Fall, Spring and Summer
9 Units	2 Classes	

Notes

[1] = Classes are available day and evening



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In the second semester, students will stay the path by taking Blueprint Reading for Welders (Weld 59) and Intermediate Arc Welding (Weld 200). Weld 59 teaches students how to read blueprints used in the industry. Weld 200 provides students with the skills required to obtain certification in the SMAW and FCAW welding processes and is the second of three steps required to become a certified structural steel welder. In the third semester, students will take Pipe Layout (Weld 53) and Advanced Arc Welding (Weld 210L). Weld 53 teaches students how to custom fabricate pipe into real world applications like those found in power plants and oil refineries. Weld 210L is a laboratory only class and is the third and last step where students obtain multiple structural steel welding certifications. In the fourth semester, students will complete the path by taking Pipe Welding Fundamentals (Weld 52). Students will learn the technical aspects of pipe welding data and will develop the hands-on skills leading to Pipe Welding Certifications.



NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 49 (4 units)	Welding Shop Math [1]	Fall and Spring
WELD 120 (5 units)	Beginning Arc Welding [1]	Fall, Spring and Summer
9 Units	2 Classes	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
WELD 59 (4 units)	Blueprint Reading for the Welding Trades [1]	Fall and Spring
WELD 200 (4 units)	Intermediate Arc Welding [1]	Fall and Spring
8 Units	2 Classes	

CONTINUING STUDENTS THIRD SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 53 (2 units)	Pipe Layout	Fall and Spring
WELD 210L (2 units)	Advanced Arc Welding Laboratory [1]	Fall and Spring
4 Units	2 Classes	

CONTINUING STUDENTS FOURTH SEMESTER (SPRING)

Course	Course Name	Semester Offered
WELD 52 (4 units)	Pipe Welding Fundamentals	Fall and Spring
4 Units	1 Class	

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In the second semester, students will stay the path by taking Blueprint Reading for Welders (Weld 59) and Intermediate Arc Welding (Weld 200). Weld 59 teaches students how to read blueprints used in the industry. Weld 200 provides students with the skills required to obtain certification in the SMAW and FCAW welding processes and is the second of three steps required to become a certified structural steel welder. In the third semester, students will complete the path by taking Structural Fabrication (Weld 170). Weld 170 teaches students the proper use of industrial metal fabrication equipment used in the industry to build and fabricate everything from racecars to high rise buildings.



NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
WELD 49 (4 units)	Welding Shop Math [1]	Fall and Spring
WELD 120 (5 units)	Beginning Arc Welding [1]	Fall, Spring and Summer
9 Units	2 Classes	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
WELD 59 (4 units)	Blueprint Reading for the Welding Trades [1]	Fall and Spring
WELD 200 (4 units)	Intermediate Arc Welding [1]	Fall and Spring
8 Units	2 Classes	

CONTINUING STUDENTS THIRD SEMESTER (SUMMER)

Course	Course Name	Semester Offered
WELD 170 (2 units)	Structural Fabrication [1]	Summer
2 Units	1 Class	

Notes

[1] = Classes are available day and evening