

# Oxy-Acetylene Welding

TEWT - 1105 101

## Course Description

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Learn practical welding and cutting skills using the oxy-acetylene welding process on carbon steel and understand Oxy-Acetylene equipment and flame adjustment. Upon completion of this course students have a better understanding of how to read and manipulate the weld puddle as related to other welding processes. Students will perform oxy-acetylene, fusion and braze welding.

Semesters Taught: All

## Course Student Learning Outcomes

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- Demonstrate safe shop and process practices.
- Perform equipment set-up and proper flame adjustment.
- Describe industrial workmanship standards.
- Demonstrate fusion welding skills on outside corner joints, lap joints and butt joints.
- Demonstrate braze welding skills on outside corner joints, lap joints and butt joints.
- Demonstrate brazing skills on lap & socket joints.
- Perform flame cutting, manual and machine.
- Critique welds to a quality standard.

## Engagement Plan

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Example language:

- I will respond to email within 2 school days. I will offer feedback on major assignments within 2 school days. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

## Brief Description of Assignments/Exams

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The exams and assignments need to be completed with an 80% or higher score.

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Equipment Setup Knowledge Check</a>	Quiz	25
	<a href="#">Equipment Setup Module Quiz</a>	Quiz	40
	<a href="#">Equipment Setup Quiz</a>	Quiz	18
	<a href="#">Essential Variables Check Your Knowledge</a>	Quiz	33
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Roll Call Attendance</a>	Assignment	100

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Shop and Process Safety Check Your Knowledge</a>	Quiz	30
	<a href="#">Shop and Process Safety Practice Practices Quiz</a>	Quiz	0
	<a href="#">Welding Definition Vocabulary Practice Quiz</a>	Quiz	0
	<a href="#">Welding Inspection Check Your Knowledge</a>	Quiz	7
	<a href="#">Welding Procedure Specifications Check Your Knowledge</a>	Quiz	10

## Grading Scale

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A 90-100%

B 80-90%

## How to Navigate to Canvas

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## Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document

contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)