



South Central College

WELD 1035 Introduction to Gas Metal Arc Welding (GMAW)

Course Outcome Summary

Course Information

Description	3	hours	1	credit	1	semester	1	semester	1	semester	1	semester	1	semester
Total Credits														
Total Hours														

Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/3
Lab	2/6

Pre/Corequisites

None

Institutional Core Competencies

1. Critical Thinking	2. Communication	3. Problem Solving	4. Teamwork	5. Diversity	6. Global Awareness	7. Career Readiness	8. Information Literacy	9. Digital Literacy	10. Civic Engagement
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Course Competencies

1. Discuss basic elements of gas metal arc welding (GMAW) including materials and process involved.

Learning Objectives

1. Identify the basic elements of gas metal arc welding (GMAW) including materials and process involved.
2. Explain the safety procedures for gas metal arc welding (GMAW).
3. Demonstrate the ability to set up and use gas metal arc welding (GMAW) equipment.
4. Perform gas metal arc welding (GMAW) on various materials and positions.
5. Inspect and evaluate gas metal arc welding (GMAW) joints.

2. Prepare welding equipment to accomplish given gas metal arc welding tasks.

Learning Objectives

1. Identify the basic elements of gas metal arc welding (GMAW) including materials and process involved.
2. Explain the safety procedures for gas metal arc welding (GMAW).
3. Demonstrate the ability to set up and use gas metal arc welding (GMAW) equipment.
4. Perform gas metal arc welding (GMAW) on various materials and positions.
5. Inspect and evaluate gas metal arc welding (GMAW) joints.

3. Identify proper equipment for performing welding.

Learning Objectives

so r u r us s
ro r r
ro r s s
s r ro r o su s u s or s ro ss

4. Discuss appropriate steps to complete GMAW tasks.

Learning Objectives

ro r s r so o s
s r r o o ur o s
r r ro r

5. Practice a variety of gas metal arc welding.

Learning Objectives

C r r o ssur oo u rou r r ss r
s r ur
A ro r u s s ro r s o o s s s
r us ro rs s s r u
r us ro rs s u ss

6. Demonstrate safety in a lab setting.

Learning Objectives

o ro o s r o r s
r o r oo ss

SCC Accessibility Statement

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