



## Examination Structure and Body of Knowledge AWS Certified Welding Sales Representative

The Candidate shall pass a written examination to demonstrate knowledge of the capabilities listed in 5.2 of [AWS B5.14](#). Recommended examination subjects and subject weights are given in Table 1 below.

**Table 1**  
**Recommended Examination Subjects and Weights**

<u>Examination Subject</u>	<u>Percentage</u>
Gas metal arc welding (GMAW)	9%
Gas tungsten arc welding (GTAW)	9%
Flux-cored arc welding (FCAW)	9%
Shielded metal arc welding (SMAW)	9%
Submerged arc welding (SAW)	4%
Safety in welding, cutting, and related processes	4%
Safety in gas cylinder storage and handling	2%
Brazing and soldering	4%
AWS filler metal classification guidelines	9%
Shielding gas applications	9%
Welding terms and definitions	9%
Welding fume extracting and ventilation	4%
Basic electrical requirements of welding power supplies	4%
Cutting processes	4%
Welding procedures and procedure qualification records	2%

\*Percentages indicate the *minimum* suggested percentage in each examination subject therefore the total given is less than 100%.

### RECOMMENDED SELF-STUDY FOR EXAMINATION

The examination questions shall be referenced from the following publications:

- [ANSI Z49.1, Safety in Welding, Cutting, and Allied Processes](#)
- [AWS A3.0, Standard Welding Terms and Definitions](#)
- [AWS A5.01M/A5.01, Procurement Guidelines for Consumables—Welding and Allied Processes—Flux and Gas Shielded Electrical Welding Processes](#)
- [AWS A5.32/A5.32M, Specification for Welding Shielding Gases](#)
- [AWS F3.2M/F3.2, Ventilation Guide for Weld Fume](#)
- [Brazing Handbook, 5th Edition, American Welding Society](#)
- *Modern Welding Technology*, 5th Edition, Howard Cary, Prentice Hall
- [Soldering Handbook, 3rd Edition, American Welding Society](#)
- [Welding Handbook Volume 1: Welding Science and Technology, 9th Edition American Welding Society](#)
- [Welding Handbook Volume 2: Welding Processes, 9<sup>th</sup> Edition, American Welding Society](#)