



American Welding Society®

FUNDAMENTALS OF WELDING CURRICULUM

Resources and learning tools for high schools, technical colleges, and vocational training programs.



Provides integrated activities for the instructor and the student and offers the flexibility and customization for in-person or virtual learning

Developed by AWS with the support of welding industry experts and education professionals

Aligned to SENSE program guidelines

The AWS Fundamentals of Welding Curriculum is a turnkey collection of printed and digital educational resources designed to equip welding instructors and welding education professionals with tools to teach students what they need to know to start their careers in the welding workforce.

Developed in partnership with industry experts and education professionals, the curriculum aligns with the governing standards of the SENSE program and is an effective option for in-person and virtual learning.

KEY BENEFITS



Affordable



Applicable to Corporate and Academic markets for the development of welding skills



Multimedia content and condensed textbook



Helps students make career choices and provides paths to welder certifications

FEATURES

PRINTED MATERIALS

FUNDAMENTALS OF WELDING TEXTBOOK

12 Chapters and Review Questions Aligned to SENSE EG20 Guidelines

FUNDAMENTALS OF WELDING LAB MANUAL

100+ Guided Welding Activities (4 arc welding processes + 3 Thermal Cutting Processes)

CLASSROOM POSTERS

8 Instructional
4 Decorative

DIGITAL MATERIALS

74 E-LEARNING MODULES

- ◆ Curriculum Orientation (1 Module)
- ◆ Introduction to Welding (1 Module)
- ◆ Welding Safety (9 Modules)
- ◆ Welding Symbols & Joint Design (32 Modules)
- ◆ Welding Processes (16 Modules)
- ◆ Thermal Cutting Processes (12 Modules)
- ◆ Discontinuities and Visual Inspection (3 Modules)

18 INSTRUCTIONAL VIDEOS

- ◆ SMAW (3 Videos)
- ◆ GMAW (3 Videos)
- ◆ FCAW (3 Videos)
- ◆ GTAW (3 Videos)
- ◆ OFC (2 Videos)
- ◆ PAC (2 Videos)
- ◆ CAC-A (2 Videos)



CONTACT US TODAY

If your institution is looking to improve an existing welding program or better support your instructors and students, the Fundamentals of Welding Curriculum is the ideal solution. For more information, please contact sales@aws.org.

ABOUT AWS

The American Welding Society is a not-for-profit organization committed to connecting the welding industry to our extensive collection of resources, informing our members of technological advancements and developing the next generation of welding professionals with the help of the AWS Foundation. AWS serves nearly 70,000 members worldwide and is composed of 22 Districts with 250 Sections and Student Chapters. For more information, visit the American Welding Society's website at aws.org.



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