

Data from Secondary & College Educators Survey
Regarding Welding / Materials Joining Education

High Schools Presently Teaching

of Responses

- 31 Welding Blueprint reading
SMAW Process
GMAW Process
GTAW Process
- 30 Welding Fabrication & Layout
Destructive Testing
- 29 Oxy Fuel welding & cutting
FCAW Process
- 26 Welding specifications
- 25 Welding codes and standards
- 22 Non-destructive testing
- 20 Metallurgy
Soldering / brazing
- 18 Plasma cutting
- 12 Resistance welding
- 6 One side welding
- 4 Narrow gap
Submerged arc
- 3 Automated / robotic welding
- 1 Laser welding
Plastics welding
Underwater
Electron beam welding



High Schools would like to teach if materials were made available:

of Responses

- 15 Automated / robotic welding
- 11 Submerged arc
- 10 Laser welding
- 9 Plastics welding
- 7 Underwater
Electron beam
- 6 Flash / thermal welding
CNC / plasma cutting
Adhesive welding
- 5 Welding codes & standards
Metallurgy
Resistance welding
Wood welding
- 4 Electro slag welding & cladding
Friction stir
- 3 Welding specifications
One-side welding
Narrow gap welding
Micro joining
Solid state welding
- 2 Non-destructive testing
- 1 Welding fabrication layout & design

Colleges Presently Teaching

of Responses

- 37 SMAW Process
- 36 Oxy fuel welding & cutting
GMAW Process
GTAW Process
- 34 Welding blueprint reading
- 31 FCAW Process
- 28 Destructive testing
- 26 Metallurgy
- 25 Welding specifications
Soldering / brazing
- 23 Welding codes & standards
- 22 Welding fabrication layout & design
- 18 Non-destructive testing
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Adhesive welding
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Automated / robotic welding
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Welding codes & standards
Non-destructive testing
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Soldering & brazing
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Resistance welding
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Friction stir
Wood welding
One side welding
Narrow gap
Adhesive welding
- 1 GMAW process
GTAW process