NOCTI

Partner Credential Blueprint

SREB

Automated Materials Joining Technology - Course 2

Code: 9027

AUTOMATED MATERIALS JOINING TECHNOLOGY – COURSE 2

Test Code: 9027
Version: 01

Specific Competencies and Skills Tested in this Assessment:

Information about the AC course standards can be found in the front of the AC course teacher guide.

CTE

1A CTE
1B CTE
1C CTE
1D CTE
1E CTE
1G CTE
1H CTE
1I CTE
1L CTE
2A CTE
2B CTE
2C CTE
2D CTE
2E CTE
3A CTE
3B CTE
3C CTE
3D CTE
4A CTE
4B CTE
4C CTE
8B CTE
8F CTE

Automated Materials Joining Technology – Course 2 (continued)

Literacy
RST 11-12.2 Literacy
RST 11-12.1 Literacy
RST 11-12.10 Literacy
RST 11-12.4 Literacy

Math
A.CED.4 Math
N.Q.2 Math
N.Q.1 Math
S.ID.4 Math
S.ID.6B Math
S.ID.1 Math
S.ID.2A Math
A.REI.3 Math
G.GMD.3 Math
N.VM.1 Math
N.VM.2 Math
N.VM.3 Math

Science
HS-ETS 1-2 Science
HS-ETS 1-3 Science

Written Assessment:

Administration Time: unlimited
Number of Questions: 75

Areas covered:

40%	CTE
20%	Literacy
20%	Math
20%	Science

Sample Questions:

What is the most common welding hazard facing you and your team?
A. Fumes and gases
B. Using the wrong welding tool
C. Leading slag on a weld
D. Electric shock

If a c-chart contains 50 sample sets, how many points would be expected to be within one standard deviation?
A. 2 points
B. 34 points
C. 48 points
D. 50 points

Calculate the components of the vector created by the robotic arm if the initial point is A(5, 4, 4) and B(-3, 5, 8).
A. (8, -1, -4)
B. (2, 9, 12)
C. (-15, 20, 32)
D. (-2, 1, 4)