NOCTI

Partner Credential Blueprint

SREB

Clean Energy Technology - Course 3

Code: 9042

CLEAN ENERGY TECHNOLOGY – COURSE 3

Test Code: 9042
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
14A or ET-5 CTE
12C or ET-5 CTE
14C or ET-5 CTE
14E or ET-5 CTE
14G or ET-5 CTE
5A or ST-1 CTE
6C or ST-1 CTE
19A or ST-1 CTE
ST-ET1 CTE
ST-ET3 CTE
ST2 CTE
ST-SM2 CTE
ST-SM4 CTE

Literacy
RST.11-12.2 Literacy
RST.11-12.4 Literacy
RST11-12.10 Literacy
RST11-12.2 Literacy

Clean Energy Technology – Course 3 (continued)

Math
G.GPE.2 Math
N-Q.1 Math
S-ID.2 Math
G-GPE.3. Use volume formulas for cylinders
N-Q 1. Use units as a way to understand problems
A-SSE 3. Choose and produce equivalent math
A-REI 2. Solve simple rational and radical math
G-MG 2. Apply concepts of density based on math
A-SSE 1. Interpret expressions that represent math

Science
HS-PS3-3 Science
HS-PS-3-4 Science
HS-PS3-4 Science

Clean Energy Technology – Course 3 (continued)

Written Assessment:

Administration Time: unlimited
Number of Questions: 47

Areas covered:

31%	CTE
17%	Literacy
26%	Math
26%	Science

Sample Questions:

You have limited time for an energy audit of a building. What is the first thing you will do?

A. Inspect problem items typical of other similar building
B. Develop a decision matrix
C. Base priorities on building size
D. Interview property manager

A thermistor is used to measure the heat produced by a pyrolysis stove. What electrical property is being measured?

A. Ohms
B. Voltage
C. Resistance
D. Capacitance

The unit used to express power is:

A. Watt
B. Joule
C. N x M
D. Kilowatt