



**CORROSION - CERTIFIED COMPOSITES TECHNICIAN - (CCT - C)**

TOPIC	Resource	Body of Knowledge %
<b>Module 1 General Composites Knowledge</b>		
	CCT Basic Composites Manual	5%
History and understanding of the composites industry		
Understand why composites are unique		
Basic knowledge of the advantages of composites		
<b>Module 2 Composites Manufacturing Processes</b>	CCT Basic Composites Manual	10%
Open Molding processes		
Closed Molding processes		
Manufacturing Process recognition		
<b>Module 3 Composite Materials</b>	CCT Basic Composites Manual/CCT Corrosion Manual	15%
recognize the basic thermoset resins used in composites manufacturing		
basic fundamentals of thermoset resin cure		
identify and define resins used in corrosion-resistant products		
reinforcements and understand their relationship in a composite part		
understand the importance of sandwich construction in composites manufacturing		
identify the fillers and additives used in resins		
<b>Module 4 Gel Coat Application</b>	CCT Corrosion Manual	15%
Concepts and technics critical to the application of gelcoat		
Basic understanding of Gelcoat Chemistry		
Procedures for handling of gel coats		
Familiarity with the various types of gel coat application equipment		
<b>Module 5 Molding Laminating Techniques</b>	CCT Corrosion Manual	15%
Purpose of the corrosion barrier and the structural laminate layer		
Methods used when processing synthetic veils		
Identify the factors to consider when applying structural portion of laminate		
Filament winding, technics and processes commonly used for corrosion applications		



