



## OPEN MOLDING - CERTIFIED COMPOSITES TECHNICIAN - (CCT OM)

TOPIC	Resource	Body of Knowledge %
<b>Module 1 General Composites Knowledge</b>	CCT Basic Composites Manual	5%
History and understanding of the composites industry		
Why Composites are unique and their advantages		
Introduction and selection of composite materials		
<b>Module 2 Composites Manufacturing Processes</b>	CCT Basic Composites Manual	10%
Open Molding processes		
Closed Molding and other processes		
Manufacturing process technology		
<b>Module 3 Gel Coat Application</b>	CCT Open Molding Study Guide	15%
Gel coat technology		
Gel coat Safety procedures		
Gel coat storage and handling		
Raw Material Quality Assurance		
Overview of Spray Gun Set-Up		
Gel Coat Application Methods		
Pre Gel Coat Checklist		
Spraying Technics		
<b>Module 4 Laminating Technology</b>	CCT Open Molding Study Guide	25%
Objectives of Open Molding Lamination		
Placement of Reinforcement		
Resin-to-Glass Ratio		
Saturation of Fiberglass Reinforcement		
The tools of the trade		
Hand Lay-Up laminating techniques - Specific procedures		
Spray-up/mechanical laminating techniques -Specific procedures		
Properly Curing the Laminate		
Wet Laminate core material bonding procedure		
Laminating quality control		
Flow Choppers vs. Traditional Choppers		
Laminating Safety		
<b>Module 5 Controlled Spraying</b>	CCT Open Molding Study Guide	15%
Spray application introduction		

