



## Program Structure

<b>Program Name</b>	Certificate Course in CNC Programmer & Machinist			
<b>Proposed Program Duration</b>	125 hours			
<b>Program Objectives</b>	<ul style="list-style-type: none"> <li>● Drawing various geometries/ machine components</li> <li>● Preparing for programming CNC machine for production</li> <li>● Carry out programming for CNC machine</li> <li>● Test and prove the program on the CNC Machine</li> <li>● Working safely</li> </ul>			
<b>Learning Outcomes</b>	<b>After completing this programme, participants will be able to:</b> <ul style="list-style-type: none"> <li>● Draw various geometries/ machine components</li> <li>● Carry out Preparations for Programming CNC machine for production</li> <li>● Carry out programming for CNC Machine</li> <li>● Test and prove the program on the CNC Machine</li> <li>● Work safely following health and safety standards</li> </ul>			
<b>Pre-requisites to Training</b>	<ul style="list-style-type: none"> <li>● Graduate Science or Engineering (Mech / Auto / Prod)</li> <li>● Diploma/ ITI with relevant job experience</li> </ul>			
<b>Selection Process (Entrance Exam test format)</b>	Aspirant need to appear for Entrance test- Time : 1 hour No of Questions: 50 Exam Type: Multiple Choice questions Aptitude: 15 marks Basics of CNC machine: 20 marks Logical thinking: 15 marks			
<b>Curriculum and Pedagogy</b>	<b>Sr. No.</b>	<b>Module and Corresponding NOS Code</b>	<b>TH</b>	<b>PR/S</b>
	Module 1	Machine Drawing	4	10
	Module 2	Programming Computer Numerically Controlled (CNC) machines (CSC/N 0401)	7	30
	Module 3	Use basic health and safety practices at the workplace (CSC/ N 1335)	3	18
	Module 4	Work effectively with others ( CSC/N 1336)	3	20
	Module 5	Professional (IDSC) Skills	10	10
		<b>Examination</b>	3	7
<b>Total HOURS</b>			<b>30</b>	<b>95</b>