

## **CNC Machining With CREO Computer Numerical Control – 5 Axis Training Program**

### **Course Objectives**

CNC programming 5-Axis certificate programs include courses that explain what CNC 5-Axis is and how it works. In addition to project management, required program courses may include:

- Fundamentals of CNC 5-Axis technology
- CNC 5-Axis programming and machine operation
- CNC 5-Axis coordinates and offsets
- CNC 5-Axis controlled lathes and milling machines
- CAM 5-Axis
- Industrial print reading


**100,000+ Students  
have been Trained**

since  
1997

**Program is  
offered by**

**3D EDUCATORS  
INTL**  
22 Years of  
Excellence in  
Training &  
Development

**Invest in  
People the  
only Asset  
that Appreciates**



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Computer Numerical Control  
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### **About the Program Designer & Instructor**

The “CNC 5-Axis Machining” training Program is professional designed training program and will be conducted by the Senior Consultants who have been an extensive experience in CNC – Computer Numerical Machining, and having the hands-on working on CNC Programming with Pro-engineering. Further although they have working experience with private and National and Multinational Companies.

The Person are qualified and as well as International Credentials.

At present, faculty is working with the top most company in Pakistan and involve in the same field of projects in a senior position, also involved to provide training for last five years.

### **Inauguration**


The Training Program will be inaugurated by a senior member of 3DEducators.

### **Program Structure**

No of classes per week	<b>01 Class</b>
Duration of each class	<b>02 – Hour</b>
Total Duration	<b>16 Hours</b>

### **Other Learning Activities**

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### **Course Topics:**

#### **CNC 5 Axis Programing**

- Course Content
- Job calling in manufacturing (calling of ref Model)
- Set orientation of model
- Creation of work piece
- Addition of work piece in ref model
- Define work center
- Define CNC control
- Define number of axis (3 to 5)
- Addition of fixture as per requirement
- Setting of operation
  - Setting machine to zero
  - Define Clearance




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- Define machining operations
- Define Roughing operation
- Define Facing operation
- Define proofing willing operation
- Define surface willing operation
- Define Finishing operation
- Define Corner finishing operation
- Define Trajectory milling operation
- Define drilling cycles
- Define Boring Cycles
- Define Reaming cycles
- Define Tapping cycles
- Define parameters all operation
- Define Drilling cycles on 5 axis
- Define trajectory milling on 5 axis
- Define Engraving on 5 axis
- Define proofing milling on 5 axis
- Define roughing cycle on 5 axis
- Define cutline milling on 5 axis
- How to make mill window
- How to make mill volume
- How to make mill surface
- How to apply post processor
- Tool simulation (vericut)
- Creation of NC Files



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**ONLINE LIVE CLASSES FACILITY AVAILABLE**

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.

**DISTANCE NOT MATTER**

You can join in the live classes Sessions of 3D EDUCATORS – TRAINERS & CONSULTANTS from anywhere of the world.



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### **PRECAUTIONARY MEASURES**

- During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- If you have taken the admission in the course online lonely, then ethically it is recommended and suggested that you alone in the class.
- Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

### **CONTACT US**

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<http://www.3deducators.com>

Get the Admission Form

**Download Form** 

**MANAGEMENT  
3D EDUCATORS  
TRAINERS & CONSULTANTS**