

CNC MACHINING WITH PRO-E COMPUTER NUMERICAL CONTROL CERTIFICATE Training Program



COURSE OBJECTIVES:

CNC programming certificate programs provide the skills needed to review computer-aided design (CAD) blueprints for a new item, calculate what cuts or borings must be made to produce the item from a solid block of material, select the appropriate tools for the job, and plan out the sequence of operations needed to complete the job. CNC programming certificates programs include courses that explain what CNC is and how it works. In addition to project management, required program courses may include:

- * Fundamentals of CNC technology
- * CNC programming and machine operation
- * CNC coordinates and offsets
- * CNC controlled lathes and milling machines
- * Intro to CAD/CAM
- * Industrial print reading

Table of Contents

Detail

Inauguration

Structure

Topics & Time Allocation

About the Program Designer & Instructor

Syllabus

Program is offered by: 3D Educators – Trainers & Consultants

Program Details

Inauguration

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

Program Structure

Number of classes in a week	One Class Per Week
Duration of each class	3-Hour
Total Duration	40 Hours

Other Learning Activities:

Classroom Assignments	6
Presentations by Trainees	1

About the Program Designer & Instructor

The “**CNC 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.

Program Syllabus

COURSE TOPICS:

2D SKETCHING:

- Datum Planes
- Line, segment line
- Reference line, Center line
- Spline
- Arc, Ellipse,
- Trim, Corner joining
- Circle, oval
- Square, Rectangle,
- Mirror
- Rotate
- Move
- Dimensioning
- Measurement
- Orientation Setting

3D SOLID WORKING:

- Extrude
- Revolve
- Blend
- Boundary Blend
- Sweep
- Variable Section Sweep
- Helical Sweep
- Helical Cut
- Projection
- Round
- Shell
- Rib
- Hole Tool
- Chamfer
- Pattern

ADVANCE COMMANDS:

- Solid free from Surface
- Toroidal Bend
- Pipe

MANUFACTURING & PROGRAMMING:

- Workpiece Making
- Workpiece operation
- Tool set up
- Feed system
- Cutter Decision
- Machining with cutters
- Co-ordinate system

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 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. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

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, ethically it is recommended and suggested that you only avail this facility.
- ✓ 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.

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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(Get the Admission Form)

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MANAGEMENT

3D EDUCATORS – TRAINERS & CONSULTANTS