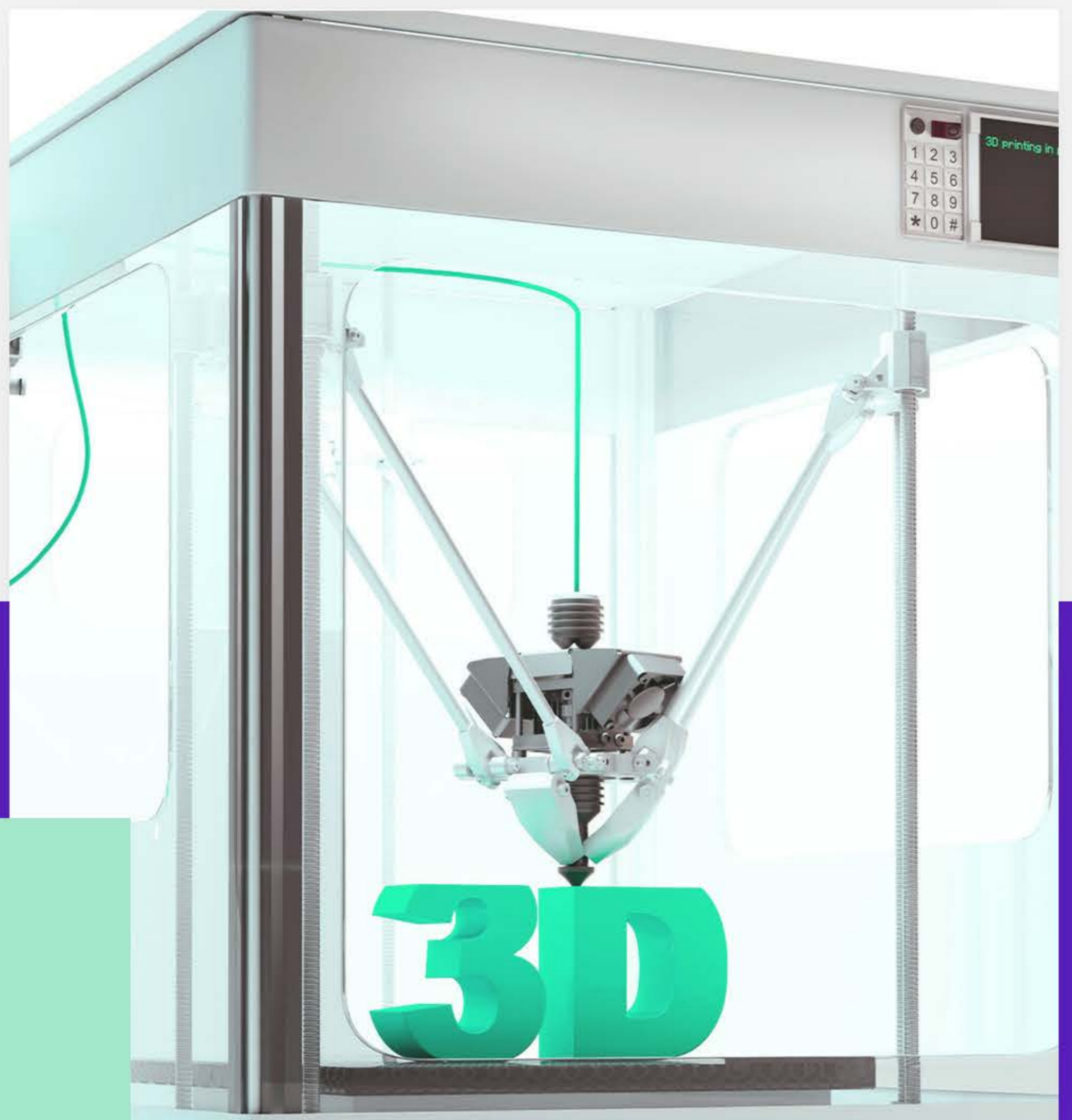


# 3D Printing - Professional Program

 Duration: 3 to 6 Months

Innovate  
Accelerate  
Repeat.





# 3D Printing – Professional Program

 **Duration: 3 to 6 Months**

Tools Covered: TinkerCAD, Fusion 360, Blender/Maya, Cura, FDM/SLA 3D Printers

## Course Modules

### Introduction to 3D Printing

- > Types of 3D Printing: FDM, SLA and SLS
- > Workflow from Design to Final Print
- > Industry Applications and Printer Types

### Basic 3D Design with TinkerCAD

- > Creating Beginner-Friendly Models
- > Understanding Object Manipulation and Export
- > Ideal for Quick Prototypes and Classroom Use



## Product Design with Fusion 360

- > Parametric Design and Mechanical Modeling
- > Assembly Components, Tolerances and Simulation
- > Exporting for Precision 3D Printing

## Artistic Modeling with Blender/Maya

- > Mesh Modeling, Sculpting and Modifiers
- > Designing Characters, Props or Figurines
- > Preparing Artistic Models for 3D Printing

## Slicing and Cura Mastery

- > Layer Settings, Supports and Infill Patterns
- > Print Optimization for Speed and Quality
- > FDM/SLA Slicing and Troubleshooting

## Hands-on Printing and Post-Processing

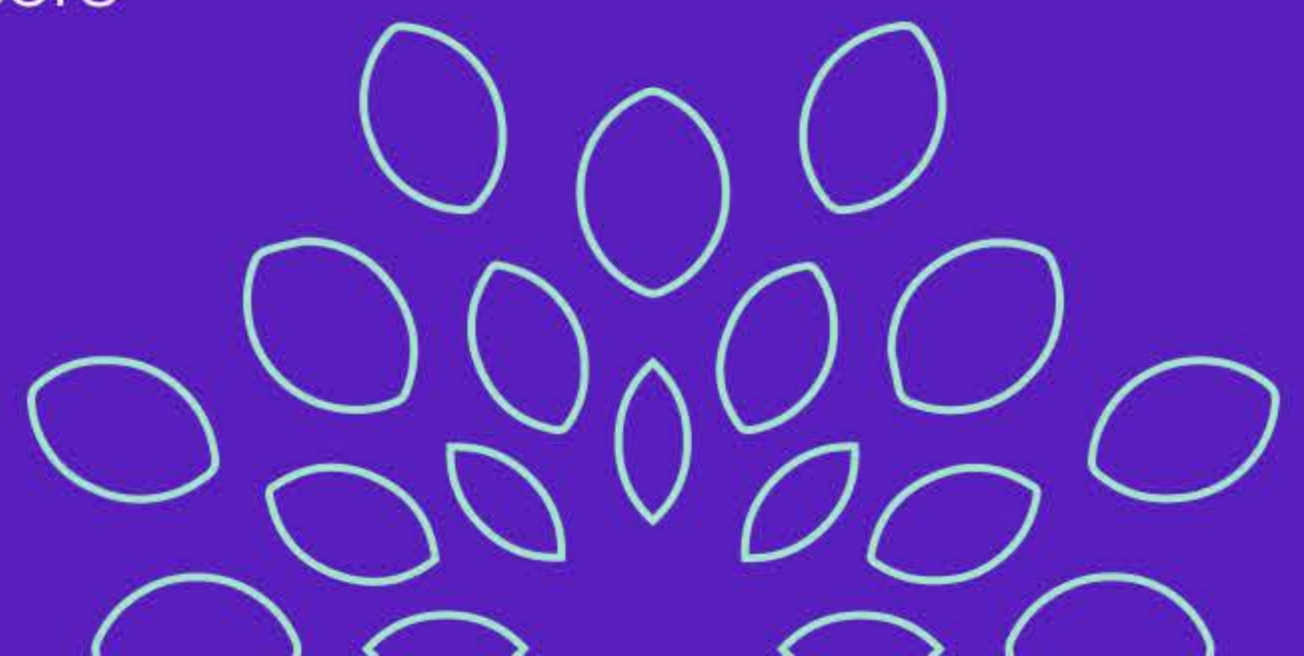
- > Printer Setup, Calibration and Materials
- > Removing Supports, Sanding and Assembling
- > Painting and Professional Finishing Techniques

## Portfolio and Freelance Essentials

- > Building a Printable Model Collection
- > Presenting Works (Photos, Videos and Documentation)
- > Freelance Services, Pricing and Client Delivery

## Outcomes

- > Skills in Technical and Creative 3D Modeling
- > Proficiency in TinkerCAD, Fusion 360, Blender and Cura
- > A Portfolio Ready for Freelance or Maker Careers



## Get in touch with us now

Whether you are ready to apply or just want to learn more, we are happy to connect with you.

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