

ADDITIVE MANUFACTURING | 3 DAYS, 24 HOURS

Training Organisation

Program Subject Matter Expert



3D Printing Essentials: From Digital Design to Physical Prototype

Turn ideas into reality with 3D printing basics

Why Take This Course?

- 1 Understand and apply 3D printing concepts
- 2 Learn how to design and prepare 3D models for printing
- 3 Learn to operate and troubleshoot a 3D printer independently
- 4 Produce different 3D products in class
- 5 Explore industry and commercial applications of 3D printing

Tools You Will Explore



Autodesk Fusion: 3D Modelling Software

Sketch 2D profiles, convert them into 3D objects, build basic assemblies, and master foundational design principles in a guided workspace.



Bambu Studio: 3D Slicing Software

Prepare your designs for 3D printing in Bambu Studio — Fine tune parameters such as materials, colours, printing speeds, strength settings and more! Control your 3D printer wirelessly anywhere in the world with the help of the companion app and browse millions of community uploaded designs to print!



Generative AI Tools

Utilise generative AI to instantly transform 2D sketches into detailed 3D models, automate complex geometry, and rapidly refine designs from concept to print.

BELLS reserves the right to modify or replace any tools used in the programme in accordance to the industry relevance and learner experience without notice. 3D printed product created in class may vary based on design choices and production constraints.



Hands-on training using the Bambu Lab A1 Mini Printer



This Course Is Best For:

- Makers and Hobbyists
- Artists and Designers
- DIY Community
- Model Builders
- Entrepreneurs

UP TO **70% COURSE FEE** SUBSIDY

SFC ELIGIBLE

NTUC UTAP ELIGIBLE

Key Learning Outcomes

Ideal for anyone who want to master digital fabrication and start turning their ideas into physical prototypes with confidence.



Master additive manufacturing basics



Explore common printing methods and their real-world applications



Master the end-to-end process from initial design to finished product



Create simple, print-ready models from scratch



Program Subject Matter Expert: Think Design Make

Think Design Make is a leading Singapore-based 3D printing solutions provider, specialising in custom prototypes, mass production and hands-on 3D printing training across all skills levels.

3D Printing Essentials: From Digital Design to Physical Prototype TGS-2025061253 24 hours Classroom-Based Funding Validity Period: 31 Dec 2025 - 30 Dec 2027	Full Course Fee before subsidies	21-39 years old or SG PR* ¹ SkillsFuture Funding (Baseline)	Above 40 years old* ² SFC Baseline + SkillsFuture Mid-Career Enhanced Subsidy	SME Sponsored* ³ SkillsFuture Enhanced Training Support for SMEs
Course Fee (inclusive of assessment fee)	\$ 1,135.00	\$ 1,135.00	\$ 1,135.00	\$ 1,135.00
SkillsFuture Funding	\$0.00	(\$567.50)	(\$794.50)	(\$794.50)
Total Nett Fee	\$1,135.00	\$567.50	\$340.50	\$340.50
GST (9%)	\$102.15	\$102.15	\$102.15	\$102.15
Total Fee Payable	\$1,237.15	Payable via SkillsFuture Credit (SFC)		\$442.65 after 70% course fee subsidy
Additional Application Fee	\$30.00	\$669.65 after 50% course fee subsidy	\$442.65 after 70% course fee subsidy	

Application fee will be waived upon completion of programme

Terms and Conditions:

*1 Course fee subsidy is available for Singapore Citizens aged 21-39 years old or Singapore Permanent Residents 21 years old and above.

*2 Course fee subsidy is available for Singapore Citizens aged 40 years old and above.

*3 Course fee subsidy is available for Singapore Citizens or Permanent Residents aged 21 years and above, if the course is fully sponsored by the company that is an eligible SME.

For more PWM information: <https://www.mom.gov.sg/employment-practices/progressive-wage-model/what-is-pwm>

In order to receive the Statement of Attainment, trainees should achieve at least 75% attendance, pass all prescribed tests / assessments and attain 100% competency. Course fees will not be refunded at any point once the class has commenced.

All information is correct at the time of printing (28 April 2026).

BELLS Institute of Higher Learning Pte. Ltd. reserves the right to make changes at any time without notice at its own discretion.

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