



Accelerate Additive Adoption with Markforged Additive Manufacturing University

Markforged believes that knowledge, like Design for Additive Manufacturing (DfAM) expertise, is the key for long-term success in adopting additive.

That's why we've launched Markforged Additive Manufacturing University's customer certification program to provide operators, designers, engineers and business owners the critical skills needed to implement additive across their businesses and drive measurable business results.

With Markforged Certified Additive Experts (MCAE) in your organization, you'll be equipped to:



Maximize and future proof investment. Go beyond the benefits of part-for-part replacement and help achieve critical business outcomes like minimizing downtime and increasing supply chain efficiency.



Upskill Workforce. Develop or hone an additive skillset, like DfAM.



Enable scale. Unlock massive benefits such as enabling digital part inventories and decentralizing production.



Inspire innovation. Design and produce previously impossible parts, solving challenges without the constraints of traditional manufacturing.

Customer Certification Programs

Markforged Additive Manufacturing Level 1 Certifications

Become a Markforged Certified Additive Expert in composites, metal or both. The core curriculum includes topics such as Introduction to Additive Manufacturing with Markforged, System Operation Training and Designing & Optimizing for Markforged Printing Processes.

Markforged Additive Manufacturing Level 2 Certifications

Take your additive expertise to the next level with the advanced curriculum. Designed to build on what you learned in Level 1, deep dive into subjects like Designing Parts from the Ground Up for Additive Manufacturing and Production Planning.

Engineered For Your Size Company

Certification workshop at Markforged headquarters

If you're looking to expand knowledge in printer management, design for additive manufacturing (DfAM), or application identification and business case development, enroll in a workshop at Markforged headquarters. Limit 2 seats per customer per workshop.

Certification program delivered at your facility

Ready to train a team in a particular course or package of Markforged University courses, with dedicated instruction and content tailored to the needs of your business? Bring Markforged's expert trainers to your facility with an on-site program.

Markforged Additive Manufacturing University Course Catalog

Module Technology and level	Course Topic Overview	Certification Achieved Upon Completion Markforged Certified Additive Expert (MCAE)
Core Curriculum Level 1	Introduction to Additive vs. Traditional Manufacturing	Complete with a Composites or Metal Level 1 Module for Certification
	The Additive Manufacturing Landscape	
	Introduction to Markforged Printing Processes	
	Markforged Printer Capabilities & Materials	
	Introduction to Identifying Applications	
	Introduction to Design for AM (DfAM)	
	Introduction to Eiger Software	
	Intermediate Eiger Software	
	Opportunity Identification ("Walk the Line")	
	Quantifying Business Benefits of AM Adoption	
	Building a Business Case	
Composites Level 1	Desktop Series Composite Printer Setup & Operation	MCAE – Composites Level 1
	Industrial Series Composite Printer Setup & Operation	
	Choosing the Right Fiber	
	Effective Fiber Reinforcement	
Metal Level 1	Metal System Operation and Printing	MCAE – Metal Level 1
	Design for ADAM	
Core Curriculum Level 2	Printing Complex Parts as Multi-Body Assemblies	Complete with a Composites or Metal Level 2 Module for Certification
	Redesigning From the Ground Up for AM	
	Printing in Parallel: Production Planning for Print Farms	
Composites Level 2	Composite Print Troubleshooting	MCAE – Composites Level 2
	Diagnosing & Replacing Wear Items	
	Resolving Fiber Jams	
	Incorporating Hardware in Composite Parts	
	Post-Processing for Composites	
	Plastic Extrusion Troubleshooting	
Metal Level 2	Post-Processing for Metal	MCAE – Metal Level 2
Business of Additive Elective Elective, may be taken after completing any certification level	Additive Change Management	N/A
	Sustainable Implementation	
	Additive ROI Calculator	
	Accounting for Your Current State	
Master Class	Includes Composites & Metal Level 1, Composites & Metal Level 2, Business of Additive Elective	N/A
Follow-Up Refresh Seminar	Access to an expert for questions on any topics for previously-certified students	N/A