Markforged University is a multi-day formal comprehensive training program for engineers and managers that accelerates mastery of Markforged Composite and Metal 3D printing technology, enabling companies to realize the full potential of their technology investment and ensure successful adoption.

**Operationalize your Additive Investment with Markforged University**

- **Maximize investment impact**: Identify the highest impact problems facing your business and scope engineering feasibility.
- **Accelerate additive adoption**: Realize the full potential of your investment faster and upskill your workforce for additive scalability.
- **Built on experience**: Advanced DFAM techniques based on field knowledge and proven workflows for best outcomes.

**Customer Education Programs**

**Technical Certifications**

Our Composites and Metal certification programs teach the core concepts of additive manufacturing and Markforged processes through advanced application identification and Design for Additive Manufacturing.

**Business Elective**

With the Business of Additive course, learn the necessary skills to sustainably implement additive technology into your organization.

**Engineered For Your Business Needs**

- **Online learning from anywhere**: Achieve certifications and upskill your entire workforce from the convenience of an accessible online learning platform.
- **Certification workshop at Markforged headquarters**: Join us at our headquarters in Watertown, MA for an in-person training intensive with our expert Markforged University staff.
- **Certification program delivered at your facility**: Bring the skillset of our expert staff to your facility for company-specific training curriculum and problem-solving.

markforged.com/markforged-university
# Course Catalog

## Markforged Certified Additive Expert

### Composites Core
- Foundations of Composite Additive Manufacturing (AM)
- Intro to Fused Filament Fabrication (FFF)
- Intro to Continuous Filament Fabrication (CFF)
- Fundamentals of Eiger
- The Markforged DfAM Framework
- Common Manufacturing Applications

### Composites Essentials
- Fiber Reinforcement Strategies Design for FFF+CFF Part 1
- Design for FFF+CFF Part 2
- Opportunity Identification on the Manufacturing Floor
- Selecting a Fiber for Your Application
- Business Impacts of AM Adoption

### Composites Advanced
- Welcome to Advanced Composites
- Incorporating Hardware Into Composite Parts
- Optimizing Composite Supports Through Design
- Designing Multi-Part Assemblies
- Post-Processing Composite Parts

## Markforged Certified Additive Expert

### Metal Core
- Introduction to Additive vs. Traditional Manufacturing
- Metal Essentials
- Introduction to Markforged Printing Processes
- Markforged Printer Capabilities & Materials
- Introduction to Identifying Applications
- Introduction to Design for AM (DfAM)
- Quantifying Business Benefits of AM Adoption
- Building a Business Case

### Metal Essentials
- Metal System Operation and Printing
- Intermediate Eiger Operation
- Selecting Metals for Your Application
- Design for ADAM Case Study
- Design for ADAM

### Elective

#### Business of Additive
- Additive Change Management
- Sustainable Implementation
- Additive ROI Calculator
- Accounting for Your Current State
- Quantifying Future Opportunities