

PRACTICAL CURRICULUM · METAL DESIGN & FORGE · FULL-TIME

BLACKSMITHING

A complete, practice-based training program for forge, anvil and workshop.

Formed in the fire, hardened on the anvil.

THE PROGRAM

Good forged work is no accident. This program builds the skill for it, from the fire to the finished piece.



22

PRACTICAL MODULES

1.500_h

PRACTICAL HOURS

110₊

PRACTICAL EXERCISES

+90

ITEMS IN THE WORKSHOP

2_{Years}

FULL-TIME · CBET

Blacksmithing is a practice-based full-time program for metal design, tool making and repair forging.

Across twenty-two technical modules, trainees progress from materials science, safety and fire management through the basic and advanced techniques, heat treatment and tool making up to artistic, architectural and repair forging. A dedicated part covers marketing and self-financing.

The focus is on practice throughout. Learning takes place at a real forge, a real anvil and with real tools, with around 1.500 hours of practical training and more than 110 assessed exercises.

Each module concludes with an assessed test piece, so competence is proven through real work and not on paper. The two-year, competency-based structure is modular, stackable and RPL-ready.

Following the proven workshop model, the forge is conceived as a self-sustaining small business. The program is offered as a curriculum, as an equipment specification or as a turnkey package for the site.

PRACTICAL CURRICULUM

From the fire to the finished piece.

From fundamentals, safety and materials science (Part A) through the specialist training in forging and metal design (Part B) to the final project and proof of competence (Part D). A dedicated commercial Part C additionally covers marketing and self-financing.

MODULE

22 MODULES · PARTS A/B/D

1 Occupational Profile & Value Chain
FUNDAMENTALS

2 Occupational & Fire Safety
FUNDAMENTALS

3 Workshop & Equipment
FUNDAMENTALS

4 Materials: Iron & Steel
FUNDAMENTALS

5 Tech. Drawing & Planning
FUNDAMENTALS

6 Measuring, Marking & Testing
FUNDAMENTALS

7 Fuels & Fire Management
FUNDAMENTALS

8 Basic Techniques I
SPECIALIST TRAINING

9 Basic Techniques II
SPECIALIST TRAINING

10 Forge Welding
SPECIALIST TRAINING

11 Heat Treatment
SPECIALIST TRAINING

12 Tool Making
SPECIALIST TRAINING

13 Everyday Objects
SPECIALIST TRAINING

14 Farm Tools & Repair
SPECIALIST TRAINING

15 Knife Forging (Basics)
SPECIALIST TRAINING

16 Artistic & Decorative Forging
SPECIALIST TRAINING

17 Architectural Forging
SPECIALIST TRAINING

18 Cold Joining Techniques
SPECIALIST TRAINING

19 Surface & Corrosion Protection
SPECIALIST TRAINING

20 Restoration & Repair
SPECIALIST TRAINING

21 Final Project (Capstone)
COMPLETION

22 Examination & Proof of Competence
COMPLETION

EQUIPMENT

Trained at forge and anvil.



01

Forge, Fire & Fuels

Forge fire, blower, fire management and fuel storage for coal, coke and gas.

02

Anvil, Hammers & Hand Tools

Anvils, forging hammers, tongs, set and swage tools for the basic and advanced techniques.

03

Heat Treatment & Hardening

Annealing, hardening and tempering equipment, quenching baths and temperature control.

04

Measuring, Marking & Testing

Measuring, marking and testing instruments for dimensional accuracy, angles and material inspection.

05

Surface & Cold Joining

Equipment for bluing, waxing and lacquering as well as riveting, flanging and screwing.

06

Safety, Fire Protection & PPE

Personal protective equipment, fire protection and first-aid provisions for the workshop.

+90 ITEMS IN THE WORKSHOP · 6 CATEGORIES

BRING THE PROGRAM TO YOUR LOCATION

LET'S GET STARTED.

AVAILABLE AS · **Turnkey** (Consulting + Equipment + Delivery + Curriculum + Setup)