COURSE BROCHURE

VMC & CNC Milling Programming

Diploma, Vocational & Skills / CNC & Precision Manufacturing

One-time full-course fee

INR 3,499

Access

12 months course access

Study plan

18-24 suggested study hours; 12 months access

Learning format

Eight self-paced written lessons in English, original worked examples, paper or digital exercises, explained knowledge checks and a capstone with a model solution and self-assessment rubric. Automated Course Tutor support is available in the LMS.

Programme overview

Eight written lessons covering three-axis milling geometry, offsets, cutting calculations, contours/arcs, drilling, pocketing, verification and a final paper/simulation dossier. No machine operation, workshop, live classes, software licence, human marking or brand accreditation included. Eight self-paced written lessons in English, original worked examples, paper or digital exercises, explained knowledge checks and a capstone with a model solution and self-assessment rubric. Automated Course Tutor support is available in the LMS. Online theory and planning only. Physical machine practice requires separate qualified supervision and machine-specific authorisation. No machine time, software or simulator licence, live instructor, recorded lecture series, individual human marking, employment guarantee, ITI/DGT/NSQF qualification or manufacturer accreditation is included. Programme examples are for offline interpretation or simulation and are not ready-to-run machine instructions. Builds on CNC fundamentals; the G-code course offers additional debugging practice. This course concentrates on milling.

Who this is for

1. CNC fundamentals, drawing interpretation and X/Y/Z coordinate arithmetic.
2. Use the supplied fictional parts and data. Do not upload confidential employer drawings. Use only software you are entitled to use; paper alternatives are available.

Published topics and learning focus

1. VMC scope, coordinate systems and absolute/incremental interpretation
2. Work offsets, tool lengths and setup documentation
3. Milling speed, chip load, engagement and time calculations
4. Linear contours, circular interpolation and cutter-centre geometry
5. Drilling cycles, return planes and cancellation
6. Pocket clearing, internal corners and cutter compensation
7. Programme verification, inspection and controlled corrections
8. Capstone: plate, pocket and four-hole planning dossier

Before you choose

1. These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
2. ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
3. Current checkout terms and refund policy apply. Payment and access require successful provider verification.

Take the next step

Explore the programme trial

View current details, scope and terms

Ask ZELVU about this programme

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a purchase.