

INFORMATION GUIDE

175/19 CAD CAM INSTRUCTOR – ATHLONE TRAINING CENTRE (PERMANENT)

Longford and Westmeath Education and Training Board is currently recruiting for a CAD CAM Instructor. Candidates must have the requisite knowledge, skills and competencies to carry out the role and be capable and competent of fulfilling the role to a high standard.

Salary: €39, 869 – 63,432

The rate of remuneration may be adjusted from time to time in line with Government pay policy.

Selection Process:

Selection will be on the basis of a competitive preliminary interview, a practical interview and a final interview.

If a large number of applications are received shortlisting may apply.

Hours per week: 37

Base: Athlone Training Centre.

The successful candidates will be initially assigned in the above location. However, LWETB reserves the right to assign you to any other location as the service exigencies require.

Entry requirements and Eligibility

- Have the requisite knowledge, skills and competencies to carry out the role
- Be capable and competent of fulfilling the role to a high standard
- Have reached Leaving Certificate standard
- Recognised Training & Development Qualification
- A recognised formal CAD CAM qualification. (Level 7)
- Have proven experience with CNC milling & turning machining
- Have proven experience in manual milling and turning
- Excellent time management and organisational skills
- 3 years CNC programming experience
- Strong written and verbal communication skills

Function of the job:

To plan, organise & deliver all aspects of training courses in Computer Aided Design (Solidworks, Mastercam, Autocad) and CNC machining (3 & 4 axis Milling & turret and live tooling Turning) to learners through Fanuc, Haas & Heidenhain controllers.

Duties / Responsibilities

- Deliver all modules as per training specifications:
 - Manufacturing Engineering
 - CAD systems + 3D Printing
 - Precision Measurement + Introduction to Milling & Turning
 - CNC Part Programming, Setting & Operating, MasterCAM & SolidCAM

- Deliver effective and quality training to meet module learning outcomes
- Prepare and deliver instructional material
- Motivate and manage groups of trainees
- Ensure training equipment and materials are available and to required standard at all times
- To arrange, supervise and correct assessments in accordance with the relevant awarding body and LWETB QA procedures
- Ensure proper observation and implementation of health & safety and legislative protocols at all times
- Work with Enterprise Engagement coordinator to establish and maintain links with industry partners
- Set up, programme and operate computer numerical control (CNC) machines
- Ability to read and understand engineering drawings with a knowledge of geometric dimensions and tolerances
- Ensure quality standards of products manufactured are met through basic quality inspection & measurement of parts
- A knowledge of selecting high speed cutting tools and establishing speeds & feeds
- Instruct on the manufacture of parts from drawings using manual and CNC machine tools
- Be able to set up and run one offs/small batches and prototype components
- Operate and maintain modern CNC machines
- Modification of tool offsets and program editing
- Be able to select, set and change machine tools on various CNC machines
- Be able to work using own initiative and be self-motivated
- Show attention to detail with a high regard for the quality of workmanship
- Impeccable attention to detail along with keen workshop organisational skills and ability to organise and maintain a clean and tidy workshop and learning environment
- Participate in continuous improvement
- Any other duties which may be specified from time to time.

Application form and further details are available on www.etbvacancies.ie Application forms should be submitted via www.etbvacancies.ie not later than 13.00 hrs on Monday 25th May, 2020

Dr. Christy Duffy, Chief Executive.

<p align="center">PERSON SPECIFICATION</p> <p align="center">CAD CAM INSTRUCTOR – ATHLONE TRAINING CENTRE</p>

MOTIVATION:	ESSENTIAL	DESIRABLE
<p>Knowledge of Post/ Organisation</p> <p>Personal Motivation</p> <p>Work-Related Achievements</p>	<p>Knowledge of post and LWETB Training Services</p> <p>Knowledge of course subject matter and its relevance within industry/business.</p> <p>Well motivated for delivery of training programmes.</p> <p>Impeccable attention to detail along with keen workshop organisational skills and ability to organise and maintain a clean and tidy workshop and learning environment</p> <p>Record of achievement in own career</p>	<p>Good knowledge of LWETB, its aims and objectives.</p> <p>Familiar with the occupation and technical content covered within the qualification.</p>
WORK EXPERIENCE:		
<p>Specify Particular Experience/Skills Required</p>	<p>Ideal candidate should be occupationally competent and technically knowledgeable in the area[s] for which they are delivering training. This knowledge must be to the same level as the training being delivered. 3 years' relevant work experience</p> <p>Excellent working knowledge of all aspects of Solidworks, Mastercam, Autocad & CNC machining (3 & 4 axis Milling & turret and live tooling Turning) to learners through Fanuc, Haas & Heidenhain controllers.</p>	<p>5 years' work experience with 2 years instructing/ supervisory experience.</p> <p>Good knowledge of Mechanical Draughting Standards, Mechanical Design, 3D Printing, 3DS Max, CNC (Milling & Turning), MasterCAM & SolidCAM</p> <p>Experience operating Haas, Hurco, Emco & Bridgeport CNC machines.</p>
EDUCATION		
<p>General</p> <p>Technical</p> <p>Qualifications/Training</p>	<p>Leaving Cert Standard.</p> <p>Appropriate training related qualification.</p> <p>Recognised qualification in relevant subject matter</p>	<p>Career Planning and job seeking skills.</p> <p>Train the Trainer Qualification or equivalent, National diploma or higher, education and training qualification. Safety representative qualification.</p>

<p>COMMUNICATION/ INTERPERSONAL SKILLS:</p> <p>Verbal/Presentation Skills</p> <p>Writing Skills</p> <p>Special Requirements</p> <p>Disposition</p>	<p>Ability to deliver training modules to a wide range of learning abilities. Capable of assessing learners progress and own ability in passing on skills and knowledge to the learners.</p> <p>Good writing skills.</p> <p>Good facilitating skills</p> <p>Ability to motivate individuals and groups.</p> <p>A proven ability to perform in a role demanding a high level of interpersonal skills.</p>	<p>Ability to self-assess their effectiveness in passing on skills and knowledge to the learner.</p> <p>Experience in administrative skills/record keeping.</p> <p>Have worked with groups where interdependency was necessary.</p> <p>Ability to assess the learner's progress in training</p> <p>Ability to promote course and network with industry</p>
<p>CIRCUMSTANCES/ SPECIAL REQUIREMENTS FOR THIS JOB:</p>	<p>Required to be available immediately to assist in setting up and ordering tooling for new CNC workshop.</p>	