



Computer Aided Manufacturing of Materials (CAD/CAM/CNC) (City & Guilds)

Aims

The purpose of this unit is to enable learners to develop an understanding of modern CAM and CNC machining systems, the importance of information links between CAD product data and manufacturing data, the role of process planning in manufacturing and the types of process planning available. This programme covers CNC machining using CAM technologies in areas such as 2.5D Milling including trochoidal milling, 3D roughing, 3D surface machining, 5-axis milling, turning and mill/turn. **At the end of this module the learner will:** · understand the use of automation in modern machining systems · understand the information links between Computer Aided Machining and manufacturing systems · understand process planning for manufacture · know how to produce CNC part-programs and transfer to the CNC controller · be able to produce parts using CAD CAM software and CNC milling and turning machine

Entry Requirements

a) Knowledge and use of 3D solid-modelling packages such as Solidworks or Inventor. b) Experience in the use of CNC machining programming c) Experience in a manufacturing environment

Qualification

A transcript of the result achieved will be issued by the awarding body City and Guilds

Award:City & Guilds Award 9209-433

Department:Mechanical & Automobile Engineering

Campus:LIT Moylish

Level:N/A

Duration:25 Weeks

25 Weeks, 3 hrs per week

Monday from 7.00pm to 10.00pm

Commencing Monday 23rd September 2019

Course Location:Moylish Campus, Limerick

Application Deadline:13th September 2019

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Weeks

Course Fees:

€675, payable directly to LIT upon registration.

Additional City and Guilds Assessment fees and registration fee will also apply. These fees will be collected by the exams office during the course of the programme.

Contact:

Further Information

Contact: Department of Flexible Learning

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For Academic Related Queries

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