

SHORT COURSE

# CAM for CNC Manufacturing

## LEARN TO PROGRAM CAM FUNDAMENTALS

Offered by Stellenbosch University (Stellenbosch Technology Centre – Laboratory for Advanced Manufacturing)

### Objectives and outcomes

- To have a full understanding on using Fusion 360 for CNC machining and be able to produce parts for CNC machines
- To sketch, model and produce tooling paths
- To generate G-Code files to load into CNC machine
- Be able to create their own mini projects that are indicative of the kind they might be asked to create in the workplace or as a self-user. Will know how to create step-by-step machining tool paths and machining techniques for a given CAD model



### PRESENTERS

Mr Clive Govender  
Prof Natasha Sacks



### MINIMUM ADMISSION REQUIREMENTS

Grade 12/Matric Certificate  
Basic CAD or Technical Drawing understanding  
Basic CNC knowledge



### PRESENTATION MODE

Classroom using lectures via Power Point + course notes + practical work using programming consoles and software. The presentation language is English.



### DATES

24-28 July 2023



### ASSESSMENT

No formal assessment – candidates will be doing tutorials and practical tasks and receive a Certificate of Attendance.



### TARGET AUDIENCE:

Students, Industry professionals, semi-skilled workforce, qualified artisans, CNC machinists.



### FEES 2023: R34 000

NQF Level 6



### REGISTRATION

To register, or for more information, please visit: [CAM for CNC Manufacturing](#).



### CONTACT

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