



SHORT COURSE

5 Axis Milling

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

Objectives and outcomes

- To understand the history and basic principles of 5 axis milling machines
- To know and understand the importance of work holding related to 5 axis milling
- To understand why cutting tool and tool holder selection is so critical to 5 axis milling
- To understand how to implement the different milling strategies from 3 axis milling up to 5 axis simultaneous milling
- To understand the importance of proper simulation and how such simulation is set up
- To understand through case studies what the financial and economic benefits of 5 axis milling are
- Have an understanding of the various attributes of the technology from a very basic level up to a more advanced level. Examples will be provided to clearly show the differences. Be able to demonstrate some of the most common milling strategies

PRESENTERS

Mr Clive Govender
Prof Natasha Sacks

MINIMUM ADMISSION REQUIREMENTS

Grade 12/Matric Certificate
Basic CNC or machining knowledge or understanding

PRESENTATION MODE

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

DATES

21-25 August 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: [5-Axis Milling](#).

CONTACT

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