NICIS
NATIONAL INTEGRATED CYBERINFRASTRUCTURE SYSTEM
CHPC

NITheCS
National Institute for Theoretical and Computational Sciences



APPLICATIONS ARE OPEN

The 17th CHPC & 9th NITheCS

CODING SUMMER SCHOOL

on Data Science and Machine Learning

25 JANUARY - 5 FEBRUARY 2027 | 09h30-16h00 SAST

Attend in person at designated universities and research venues

WHAT YOU WILL LEARN

01 DATA SCIENCE

Workflow managemenet and ETL
Exploratory Data Analysis (EDA) & Visualization
Terminal Skills & Leveraging AI Tools

02 MACHINE LEARNING

Computational Thinking
Probability Theory and Statistics
Machine Learning & AI fundamentals

WHO CAN APPLY

- Final-year undergraduates planning postgraduate study.
- Postgraduate students.
- Researchers and industry professionals.

PREREQUISITES

- Python background.
- Pass entrance test.
- Students must be registered at a South African university.

NOTE: Space is limited at each venue. Travel and accommodation are not covered.

ENTRANCE TEST

The training will use **Python and Pandas**. You must have a background in Python programming and pass the entrance test, which will be emailed to you once you have registered for the Coding Summer School.

Are you new to Python? You can prepare by:

- Completing the FREE Python for Beginners course on Alison.
- Attending a FREE NITheCS Software Carpentry Workshop. Visit nithecs.ac.za for details.

QUERIES?

- **More info:**
  https://indico.global/event/19355/overview
- **Log your questions at:**
  https://chpc.freshdesk.com/support/tickets/new

APPLY NOW!

Apply by 15 December 2026 at 12h00 SAST

science, technology & innovation
Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA

NRF National Research Foundation