# TU Berlin Summer University Courses 2022

## TERM 1

**On-Campus**  
*July 4th – July 15th, 2022*

- Innovation & Entrepreneurship
- Cognitive Engineering
- German Language
- ICT & Transportation in Smart Cities
- Introduction to Programming with Python for Data Science  
  —— 2 weeks ——

**Online**  
*June 27th – July 15th, 2022*

- Java Cloud-Project
- Green Marketing
- Introduction to Python Programming  
  —— 3 weeks ——

## TERM 2

**On-Campus**  
*July 18th – August 12th, 2022*

- CanSat Satellite Design
- Startup Crash Course
- Gaming for Virtual & Augmented Reality
- Data Science with Python
- Introduction to Artificial Intelligence  
  —— 4 weeks ——

**Online**  
*July 18th – August 12th, 2022*

- Java Programming
- Introduction to Python Programming
- Nonlinear Dynamics: Theory and Applications in Engineering  
  —— 4 weeks ——

## TERM 3

**On-Campus**  
*August 15th – August 26th, 2022*

- Python for Engineers
- System Dynamics Modelling for Business
- Desalination & Renewable Energies
- Green Marketing
- Circularizing Cities  
  —— 2 weeks ——

**Online**  
*August 15th – September 2nd, 2022*

- Design Thinking
- Energy-Aware Production Planning
- Introduction to Biomechanics
- Introduction to Python Programming  
  —— 3 weeks ——