

COURSE BROCHURE

Python for Space Science & Engineering Data

Space Science & Engineering / Earth Observation & Scientific Computing

One-time full-course fee

INR 1,499

Access

6 months course access

Study plan

4-6 weeks suggested self-paced study; 6 months access

Learning format

Six self-paced written learning units in English, developed worked examples, practical exercises, 30 questions with explained answers and a final project with a self-assessment rubric. No scheduled live classes, recorded lecture series, laboratory access or personal marking is included.

Programme overview

Six self-paced written units using Python standard-library calculations, supplied fictional tables, transparent SVG plotting, numerical motion and a reproducible analysis capstone. No paid API, specialist package or operational spacecraft software. Six self-paced written learning units in English, developed worked examples, practical exercises, 30 questions with explained answers and a final project with a self-assessment rubric. No scheduled live classes, recorded lecture series, laboratory access or personal marking is included. Independent ZELVU learning and preparation. Not affiliated with, endorsed by or certified by NASA, ISRO or IIRS. No engineering degree, professional licence, admission, recruitment or employment is awarded or guaranteed. Current recruitment conditions are set by each official notification. Related courses revisit some foundational physics and data concepts. Each has distinct original lessons and a different project; compare the unit lists before choosing multiple courses.

Who this is for

- 1 Beginners in science or engineering who want a small reproducible data-analysis portfolio.
- 2 Basic algebra and access to a Python 3 interpreter; no prior professional coding experience or paid software required.
- 3 A parent or guardian should manage a minor learner's account and purchase.
- 4 Independent ZELVU learning and preparation. Not affiliated with, endorsed by or certified by NASA, ISRO or IIRS. No engineering degree, professional licence, admission, recruitment or employment is awarded or guaranteed. Current recruitment conditions are set by each official notification.

Published topics and learning focus

- 1 Python quantities, units and small functions
- 2 Cleaning a small scientific table
- 3 Statistics, spread and measurement uncertainty
- 4 Transparent scientific plots with standard Python
- 5 Numerical motion models and error checks
- 6 Reproducible space-data capstone

Before you choose

- 1 These are published programme highlights, not certification of complete syllabus coverage. Review the available reading index and programme trial before enrolling.
- 2 ZELVU provides learning support. It does not award the underlying degree, professional registration or an examination result.
- 3 Current checkout terms and refund policy apply. Payment and access require successful provider verification.

Take the next step

[Explore the programme trial](#)

[View current details, scope and terms](#)[Ask ZELVU about this programme](#)

Save this brochure for reference. Details can change: confirm the current programme page and checkout before making a purchase.