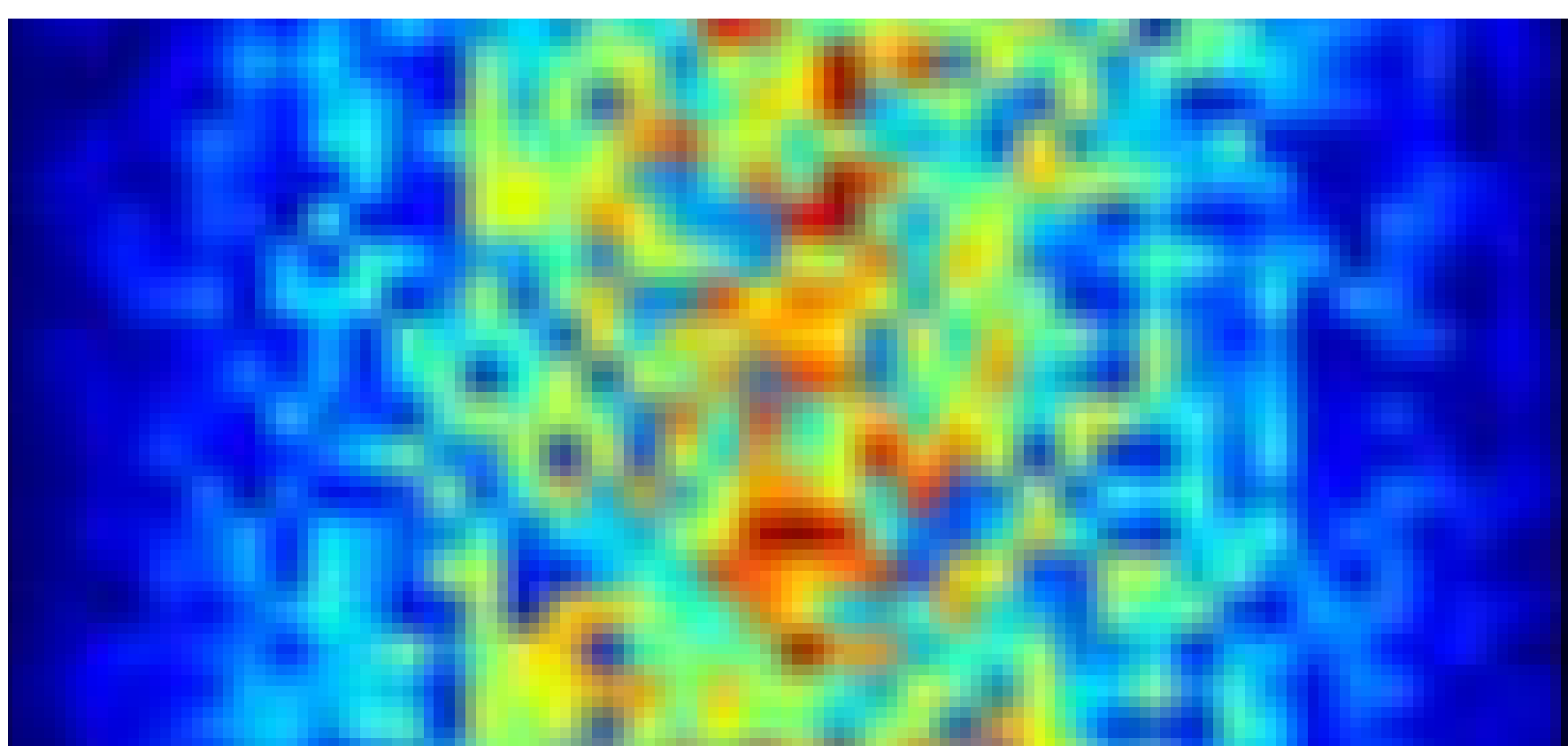




# Introduction to Programming in Python

 1 day       No Prerequisites       At your campus       No cost to members



Intersect Software Courses	
Software Carpentry Workshop	Introduction to Unix
	Introduction to Programming in Python
	Introduction to Programming in R
	Introduction to Programming in MATLAB
	Introduction to Version Control with Git

This programming course can be taken on its own or as part of an Intersect organised **Software Carpentry Workshop**

## Why do this course?

Python has deservedly become a popular language for scientific computing. It has all the friendly features and conveniences you'd expect of a modern programming language. And it boasts a rich set of libraries for working with data.

We teach using Jupyter notebooks, which allow program code, results, visualisations and documentation to be blended seamlessly. Perfect for sharing insights with others while producing reproducible research.

Join us for this live coding workshop where we write programs that produce results, using the researcher-focused training modules from the highly regarded Software Carpentry Foundation ([software-carpentry.org](http://software-carpentry.org)).

## You'll learn:

- Programming concepts and techniques.
- Basic syntax, control structures and data types in Python.
- How to import powerful libraries that support numerical analysis (NumPy) and visualisation (Matplotlib)
- Approaches to debugging, testing and defensive programming.
- How to blend code, output and documentation with Jupyter notebooks

## The Intersect approach to training

At Intersect, we work closely with our member universities to develop and deliver training that targets the day-to-day software and technology problems that researchers face. We deliver hands-on courses in a relaxed setting with knowledgeable, helpful trainers who are themselves researchers and who know how researchers work.

Questions always welcome.

For more information visit  
**Learn.intersect.org.au**



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[intersect.org.au](http://intersect.org.au)