[**LabVIEW** is a **systems engineering software** used for applications that require test, measurement, and control, with rapid access to hardware and data insights1](https://www.ni.com/en-in/shop/product/labview.html). It simplifies hardware integration, allowing consistent data acquisition from National Instruments (NI) and third-party hardware.

Here are **five free resources** to learn LabVIEW:

1. [**LabVIEW Basics**](https://learn.ni.com/learn/article/labview-tutorial): A step-by-step tutorial covering graphical programming fundamentals.
2. [**NI LabVIEW Introduction Course (3 Hours)**](https://www.ni.com/gate/gb/GB_ACADEMICLV3HR/US): An introductory course exploring LabVIEW’s environment and development techniques.
3. [**NI LabVIEW Style Guide (Best Practices)**](https://www.ni.com/en/support/documentation/supplemental/06/rules-to-wire-by----part-i.html): Learn best practices for efficient LabVIEW programming.
4. [**Software Engineering with LabVIEW (Advanced)**](https://www.ni.com/en/support/documentation/supplemental/09/software-engineering-with-labview.html): Dive deeper into LabVIEW for advanced applications.
5. [**University of Sydney - LabVIEW Tutorial**](http://www.eelab.usyd.edu.au/labview/main.html): Explore LabVIEW concepts and practical examples.

Happy learning! 🚀🔬👩‍💻