Software Needs:

- SANS:
  - Reduction: Igor Pro
    - Download and install Igor Pro
      - https://www.wavemetrics.com/downloads
      - Do not need a license, use the 30 day trial
      - Macros compatible with v7 and v8 (not v9 which is in late alpha or early beta)
    - Download and install the SANS reduction macros available at https://github.com/sansigormacros/ncnrsansigormacros/releases/latest
      - Follow the instructions outlined in https://github.com/sansigormacros/ncnrsansigormacros/blob/master/Install_Instructions.txt
  - Analysis: SasView
    - Download and install the latest release available at https://github.com/SasView/sasview/releases/latest
    - A new version will be made available before the start of the school
  - VSANS PolBeam Reduction
    - https://github.com/krycket/VSANS-Pol-Reduction/releases
    - Still a code signage issue (mostly for Mac - Windows works ok)
- Reflectometry:
  - Reductus - https://reductus.nist.gov/
    - Requires: almost any modern browser (not Internet Explorer)
    - Javascript must be enabled for this site in your browser (unless you have specifically disabled javascript in general, it should just work)
  - Refl1D - https://github.com/reflectometry/refl1d/releases
    - For Windows, download the "...exe.zip" file and extract it to a folder on your computer, then run "refl1d_gui.bat" from that folder. This is a standalone installation and does not require (or interfere with) other python installations on your system
    - For MacOS, you will have to have a working python3.7+ installation and then you can download the wheel file here and run
      pip install refl1d-0.8.13-cp38-cp38-macosx_10_14_x86_64.whl
    - For linux, "git clone https://github.com/reflectometry/refl1d" and "python setup.py install (or develop)" in your virtual python environment of choice (3.6+).

If you are having trouble installing and/or running any packages needed, please contact Jeff Krzywon (jkrzywon@nist.gov) for SANS related issues and Brian Maranville (brian.maranville@nist.gov) for Reflectivity related issues.